



**APEEJAY COLLEGE OF FINE ARTS,
JALANDHAR**

PROGRAM OUTCOMES

PROGRAM SPECIFIC OUTCOMES

COURSE OUTCOMES

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1.	Department of History <ul style="list-style-type: none"> • B.A. • B.Com/BBA/BCA/BD/B.Sc./B.VOC/BDM 	5
2.	Department of Fashion Makeover <ul style="list-style-type: none"> • PG Diploma in Fashion Makeover • B.Voc. (Beauty and Wellness) 	13 17
3.	Department of Physiotherapy <ul style="list-style-type: none"> • Bachelor of Physiotherapy 	27
4.	Department of Home Science <ul style="list-style-type: none"> • BA in Home Science 	46
5.	Department of Psychology <ul style="list-style-type: none"> • Bachelor of Arts 	53
6.	Department of Fine Arts <ul style="list-style-type: none"> • BA with Fine Arts 	61
7.	Department of Political Science <ul style="list-style-type: none"> • BA with Political Science 	74
8.	Department of Mathematics <ul style="list-style-type: none"> • BA/BSc 	78
9.	Department of Commerce <ul style="list-style-type: none"> • B.Com • B.Com (Financial Service) • B.B.A. • M.Com. 	91 107 126 138
10.	Department of Economics <ul style="list-style-type: none"> • B.A./ BSc Economics 	149

11.	Department of Dance <ul style="list-style-type: none"> • BA • MA Dance • B.Voc.(Contemporary Forms of Dance) 	162
12.	Department of Music (Instrumental) <ul style="list-style-type: none"> • B.A. Music instrumental • M.A. Music 	184 189
13.	Department of Music (Vocal) <ul style="list-style-type: none"> • M.A. Music Vocal . B.A. 	197
14.	Department of Journalism and Mass Communication <ul style="list-style-type: none"> • B.A.(JMC) 	205
15.	Department of Philosophy <ul style="list-style-type: none"> • B.A. (Philosophy) 	219
16.	Department of Sculpture <ul style="list-style-type: none"> • B.A.(Sculpture) 	222
17.	Department of Applied Arts <ul style="list-style-type: none"> • BFA Applied arts 	228
18.	Department of Design <ul style="list-style-type: none"> • B.Design(Fashion, Textile and Interior) • B.Voc (Product Design and Management) 	247 288

19.	Department of Computer Science <ul style="list-style-type: none"> • B.C.A. • B.Sc.(IMT) • B.Voc.(Ecommerce and Digital Marketing) • B.Voc. (Data Science) • M.Sc. IT • PGDCA • M.Voc (E-Commerce) 	299 309 319 327 333 337 340
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Department of History/PHC

B.A.

Program Outcomes:

- The main focus of the program of History at the Undergraduate level is on the understanding of different stages of the growth of human civilizations and the evolution of social, political, economic, and cultural systems in the scientific way.
- To promote an understanding of the processes of change and development through which human societies have evolved to their present stage of development.
- Historiographical Literacy. Students will be able to identify and describe the contours and stakes of conversations among historians within defined historiographical fields.
- Critical Thinking. Students will learn to apply historical methods to evaluate critically the record of the past and how historians and others have interpreted it.
- The students will develop skills to evaluate the sources, methods, motivations, and interpretations behind historical narratives.
- The students will learn a basic narrative of historical events in a specific region of the world in a specific time frame.

Program Specific Outcomes:

PSO1: TheStudents will be able to articulate factual and contextual knowledge of specific places and times, to make careful comparisons (across time, space, and culture) and to discern how each generation (including theirs) uses the past for present purposes.

PSO2: TheStudents will be able to understand the basic skills that historians use in writing, and evaluating competing interpretations and multiple narratives of the past.

PSO3: TheStudents will be able to present clear and compelling arguments, based on critical analysis of diverse historical sources.

PSO4: TheStudents will be able to understand and evaluate different historical ideas, various arguments, and points of view.

PSO5: The students will be able to how to craft and present convincing and well supported arguments in favour of their narratives.

PSO6: TheStudents will be able to understand how historical characters differently affected by their ethnicity, race, class, gender, sexual orientation, and language, brought historical changes in Religious, political, economic, and social spheres.

Course Outcomes:

Semester 1: History of Ancient India:

CO1: Introducing the meaning, scope and nature of history and importance of its primary and secondary sources.

CO2: Introduction and comparison of ancient Civilizations of Ancient India and its assessment on the basis of Social, Economic, Religious and Political developments.

CO3: Comparative studies of different religions of India in its past and establishment of different political dynasties with special references of political unification of India under Mauryan's and Gupta's.

CO4: Integration and disintegration of India under Vardhan, Rajputs and Chola dynasties.

Semester 2: History of Medieval India

CO1: Understanding about arrival of Islam in India and establishment of Muslim rule in India. Comparison between Indian and Islamic Administration under Slave and Khilji dynasties.

CO2: Assessment of Tughlaq, Sayyid and Lodhi ruler and arrival of Mughal in India.

CO3: Establishment of Hindu Rule under Vijay Nagar rulers in south and consolidation of Mughal Empire in North.

CO4: Understanding about glorious past under Marathas and disintegration of Mughal Empire.

Semester 3: History of Modern India

CO1: Understanding about arrival of British in India and its expansion, their policies and administration.

CO2: Understanding about the great revolt of 1857, its nature, and aftermath. Impact of socio-cultural reform movements on India, Rise of Middle class and the role of Press and literature.

CO3: Understanding about the beginning of early freedom struggle, political associations, moderates, extremists and revolutionaries.

CO4: Understanding about the Gandhian mass movement, different perspectives about India's Independence and Partition.

Semester 4: History of Punjab

CO1: Understanding about the physical features of the Punjab, and its impact on its history. Sources of Punjab History and their relevance.

CO2: Understanding about the establishment of Sikh religion under Guru Nanak Dev and its teaching, and contribution by Guru Angad Dev, Amar Dass, and Ram Dass in its propagation.

CO3: Understanding the different narrative of martyrdom of Guru Arjun Dev Ji, New Policy of resistance and defending their faith against the atrocities of Mughal rulers under Guru Hargobind, Har Rai, Har Krishan and Guru Teg Bahadur.

CO4: Understanding the different narrative of armed struggle under Guru Gobind Singh and Banda Singh Bahadur against the atrocities of Mughals.

Semester 5: History of Modern World

CO1: Acquiring knowledge about transition of modern world from medieval and period of renaissance and reformation. Struggle against aristocracy and monarchy and establishment of democratic values during French revolution and Napoleon Bonaparte's rule

CO2: Acquiring knowledge about unification of Italy and Germany and circumstances led to the world into First World War.

CO3: Acquiring knowledge about the rise of China and Japan, Russian Revolution and USA rise into world politics.

CO4: Acquiring knowledge about the rise of Fascism and Nazism, causes and aftermaths of Second World War and Role of UNO in world peace.

Semester 6: History of Punjab

CO1: Understanding the circumstances which led to the establishment of Sikh Kingdom under Maharaja Ranjit Singh, its integration, his policies and disintegration.

CO2: Understanding the circumstances which led to the establishment of British rule and annexation of Sikh kingdom, different policies and reforms of British in Punjab.

CO3: Understanding the impact of socio-cultural reform movements in Punjab, Rise of Middle class and the role of Press.

CO4: Understanding about the Gandhian mass movement, different perspectives about Punjab's Partition.

Punjab History and Culture (PHC)

B.COM/BBA/BCA/BD/B.Sc./B.VOC/BDM

Program Outcomes of PHC:

- The main focus of the program of Punjab history and Culture at the Undergraduate level is on the understanding of different stages of the growth of human civilizations in Punjab and the evolution of social, political, economic, and cultural systems in the scientific way.
- To promote an understanding of the processes of change and development through which human societies in Punjab have evolved to their present stage of development.
- Historiographical Literacy. Students will be able to identify and describe the contours and stakes of conversations among historians within defined historiographical fields.
- Critical Thinking. Students will learn to apply historical methods to evaluate critically the record of the past and how historians and others have interpreted it.
- The students will develop skills to evaluate the sources, methods, motivations, and interpretations behind historical narratives of Punjab.

- The students will learn a basic narrative of historical events in a specific region of the India in a specific time frame.

Program Specific Outcomes:

PSO1: TheStudents will be able to articulate factual and contextual knowledge of specific places and times, to make careful comparisons (across time, space, and culture) and to discern how each generation (including theirs) uses the past for present purposes.

PSO2: TheStudents will be able to understand the basic skills that historians use in writing, and evaluating competing interpretations and multiple narratives of the past.

PSO3: TheStudents will be able to present clear and compelling arguments, based on critical analysis of diverse historical sources.

PSO4: TheStudents will be able to understand and evaluate different historical ideas, various arguments, and points of view.

PSO5: TheStudents will be able to understand how historical characters differently affected by their ethnicity, race, class, gender, sexual orientation, and language, brought historical changes in Religious, political, economic, and social spheres of Punjab.

PSO6: The students will be able to understand how to craft and present convincing and well supported arguments in favour of their narratives.

Course Outcomes:

Semester 1: Punjab History and Culture:

CO1: Understanding regardingthe physical features of Punjab and importance of its primary and secondary sources.

CO2: Understandingaboutintroduction and comparison of ancient Civilizations of Punjab, such as Indus Valley and Vedic.

CO3: Comparative studies of Rig Vedic and Later Vedic culture and its assessment on the basis of Social, Economic, Religious and Political developments.

CO4: Comparative studies of different religions of India and its progress in Punjab such as Jainism and Buddhism and its impact on its society, culture, and religious-political scenario.

Semester 2: Punjab History and Culture:

CO1: Establishment of different political dynasties with special references of political unification of country under Maurya. Invasion of Greek ruler Alexander and its impact on Punjab

CO2: Assessment of Integration and Disintegration of India under different political dynasties such as Kushana, Gupta rulers.

CO3: Assessment of Vardhan and Rajput rulers, their administrative set up, policies and its impact on the Punjabi society.

CO3: Development of art, architecture, literature, culture and science and technology up-to 1000 AD. Social, religious, political and economic development of Punjab during this period.

Semester 3: Punjab History and Culture:

CO1: Understanding about arrival of Islam in Punjab and establishment of Muslim rule. Comparison between Indian and Islamic Administration under Slave, Khilji and Tughlaq dynasties. Assessment of arrival of Mughal in India, consolidation of Mughal Empire in North under Akbar, Jahangir, Shahjahan and Aurangzeb.

CO2: Understanding about Sufism and Bhakti movement in Punjab.

CO3: Introduction regarding establishment of Sikhism under Guru Nanak, its teachings and impact on the society of Punjab

CO4: Consolidation of Sikhism under Guru Angad Dev, Amar Dass, Ram Dass and Guru Arjun Dev. Circumstances which led to the martyrdom of Guru Arjun Dev Ji.

Semester 4: Punjab History and Culture:

CO1: Assessment of New Policy of resistance and defending their faith against the atrocities of Mughal rulers under Guru Hargobind, Har Rai, Har Krishan and martyrdom of Guru Teg Bahadur.

CO2: Understanding the different narrative of armed struggle under Guru Gobind Singh.

CO3: Evaluation of the struggle of Banda Singh Bahadur against the atrocities of Mughals. Establishment of Sikh Misls and its administrative set up in Punjab.

CO4: Acquiring knowledge about the circumstances which led to the establishment of Sikh Kingdom under Maharaja Ranjit Singh, its integration, his policies. Development of Art and Architecture during medieval period in Punjab.

Semester 5: Punjab History and Culture:

CO1: Acquiring knowledge about disintegration of Sikh Kingdom and establishment of British Rule. Anglo-Sikh Wars and Board of Administration.

CO2: Acquiring knowledge about British policies towards, agriculture, trade and industries. Spread of Modern Education.

CO3: Acquiring knowledge about the impact of socio-cultural reform movements in Punjab, Rise of Middle class and the role of Press. Ghadar Movement and Jallianwala Bagh Tragedy.

CO4: Acquiring knowledge about the Gurudwara reform movement, Gandhian mass movement, and HSRA. Quit India Movement.

Semester 6: Punjab History and Culture:

CO1: Acquiring knowledge about the circumstances which led to the partition of Punjab, problem of refugees and rehabilitation.

CO2: Acquiring knowledge about the Green revolution in Punjab and Punjabi Suba movement.

CO3: Understanding the Punjabi Diaspora and spread of education after independence.

CO4: Understanding about the development of Punjabi literature and drama, and emerging concerns of drug addiction and Female Foeticide.

Basic Punjabi Semester 4

CO1. Introduction regarding establishment of Sikhism under Guru Nanak, its teachings and impact on the society of Punjab.

CO2: Acquiring knowledge about Consolidation of Sikhism under Guru Angad Dev.

CO3: Acquiring knowledge about Consolidation of Sikhism under Amar Dass, Ram Dass

CO4: Acquiring knowledge about Guru Arjun Dev and Circumstances which led to the martyrdom of Guru Arjun Dev Ji.

Basic Punjabi Semester 5

CO1: Assessment of New Policy of resistance and defending their faith against the atrocities of Mughal rulers under Guru Hargobind, Har Rai, Har Krishan Ji.

CO2: Evaluation of the contribution made by Guru Teg bahadur Ji in the Propagation of Sikhism, and his martyrdom

CO3: Understanding the different narrative of armed struggle under Guru Gobind Singh and creation of Khalsa.

CO4: Acquiring knowledge about fairs and festivals of Punjab and its famous legends.

Basic Punjabi Semester 6

CO1: Acquiring knowledge about the circumstances which led to the establishment of Sikh Kingdom under Maharaja Ranjit Singh, its integration, administration and his policies.

CO2: Acquiring knowledge about disintegration of Sikh Kingdom and establishment of British Rule. Anglo-Sikh Wars and Board of Administration, and KUKA movement

CO3: Acquiring knowledge about the impact of socio-cultural reform movements in Punjab, Rise of Middle class and the role of Press, and Jallianwala Bagh Tragedy.

CO4: Acquiring knowledge about the Ghadar Movement and Gurudwara reform movement

DEPARTMENT OF FASHION MAKEOVERS

P.G. DIPLOMA IN FASHION MAKEOVERS

Program Outcome

- This course is exclusively tailored to cover various aspects of Fashion, Theatre, Design, TV, Film, Photography and Modeling and Advertising Makeovers.
- This course will take students from basic foundation level to a high level of innovative creative makeovers, where students will learn to perform dramatic makeups and hairstyling.
- Students opting for this course will learn the techniques to perform creative theme-based makeovers drawing inspiration from various sources, cultures, different ethnicities, character and more.

Semester -I&II

Program Specific Outcomes

PSO1: Technical theory as a subject includes topics like hygiene, colors and its applications, makeup planning, makeovers according to face structures, skin analyzing techniques, cosmetic science and more. This subject will help aspirants to understand all the aspects of being makeover artist.

PSO2: Workshop as a practical subject offer students to learn about various theme based makeovers like nude and sheer, fresh and fruity, smoky look, camouflage techniques, character and theatre makeover, face and body tattooing and more. This subject allows to perform various makeovers through makeup machine like airbrush and understand tools, techniques and application of makeups and hairstyling.

PSO3: Developing concepts in the field of makeovers is very important task, where students are taught to focus on one theme and then followed by creating mood board, client board, makeover planning sheets and more. Moreover, student also focus on the personality grooming aspects, while performing makeovers.

Course Outcome

Semester I

TECHNICAL (THEORY)-I

CO1: This segment will allow student to learn about acceptance, uses, importance of dramatic, and concept based makeovers in personal and professional world. This topic builds a relationship between colors, it's mixing and its importance in fashion makeups through defining color wheel and its various aspects like complementary color, analogues color, primary, secondary, tertiary colors, cool and warm colors.

CO2: Learning about Importance of hygiene in your personal and professional lifestyle moves and importance of hygiene in make-up. Make-ups planning and its importance makes students learn to plan their imaginations on face templates before finally application of makeup and hairstyling on the model. This reduces the risk of errors and performs with all the perfections.

CO3: Make-up application in view of face structure and features is very important. This topic explains about face features like types of eyes and lips. Method to manage different skin types and analyzing its problem is very crucial task for a makeup artist. Hence, this topic explains about different skin types and technique to analyze skin problems.

CO4: This topic focus on how science help to produce different makeup products like bases, lip color, oil and water, emulsifier, and more. Moreover, student come across Role of cosmetic science in adding: color, preservatives, fragrances, mixing of, body paints, eye products and more. Definition of various theme based makeovers like Nude and Sheer make-up, Basic make-ups, fresh and fruity make-up, Smoky look, Fantasy make-up, Camouflage make-up technique, and History based make-ups are discussed with students in terms of theory aspects

PAPER-2: WORKSHOP (Practical)-I

CO1: CPractical knowledge of themes like: Nude and Sheer make-up, Basic make-ups and related tips, Fresh and fruity make-up, Smoky look, Fantasy make-up., Camouflage make-up technique, History based make-ups are taught through practical sessions

CO2: Learning about Hair styling-basic and contemporary-different Hair look (best use of all the technique) complementing each make-up theme.

PAPER-3: CONCEPT DEVELOPMENT – I (Practical)

CO1: Developing a Final portfolio, which includes 3 concepts based on inspiration and trends completion and presentation through design exploration using templates or sketches.

Course Outcome

Semester II

PAPER 1: TECHNICAL (THEORY)-II

CO1: Student will learn various details about, what kind of food intake helps us to maintain good and Importance of health. Apart from this, this topic will allow to learn about Ways to use makeup products and technique in healthy way. Definition of makeup and its trends of various era like Egyptian, roman, Greek and including styling of 18th, 19th, 20th, and 21st century and more will be taught and detailed knowledge of from where makeup and hairstyling evolved will be examined by learners.

CO2: Anatomy describes through learning structures of head and neck, which also includes types of forehead, neck and chin and guidelines for enhancement such features with makeup and hairstyling techniques. Sessions on contouring and its importance and technique according to different face structure will be provided, where students will perform to enhance face features with the help of such technique.

CO3: Knowledge about Entrepreneur and entrepreneurship will be adhere by students and ways to set up business in terms of: accounting, finances, marketing. Techniques to setup a business, where students will be trained about salon setup in terms of salon appropriated area while working (records keeping, lightening, mirror, client management, infrastructure and more).

CO4: This topic focus on advance knowledge about cosmetic products and various advance techniques like peeling, features lifting technique, cosmetic surgery and more. Learning in theory various themes like Dramatic look, Dolls and related make-ups look, Men Make-up,

Photographic Make-ups (black/white photographic make-ups), Theatrical Make-ups, Character Make-ups, Face and Body Tattooing /make-ups.

PAPER-2: WORKSHOP (Practical)-II

CO1: Learning in practical various themes like Dramatic look, Dolls and related make-ups look, Men Make-up, Photographic Make-ups (black/white photographic make-ups), Theatrical Make-ups, Character Make-ups, Face and Body Tattooing /make-ups, airbrush makeup and also various hairstyling complementing various looks.

PAPER-3: CONCEPT DEVELOPMENT – II (Practical)

CO1: Development of 2 detailed concepts, where each concept should comprise of minimum 5-10 sheets (Mood board, client board, concept board, exploration, final design sheet, cost sheet, product range used, photo shoots) and should be presented in professional portfolio (A3 size).

PAPER-5: INDUSTRIAL TRAINING FOR 2 MONTHS

Include exposure to industrial areas and learning professional world through experience.

B.Voc. (Beauty and Wellness)

SEMESTER I-VI

Program Outcomes

- The course acquaints the students to cater the needs of beauty care domain especially the non-clinical aspects of cosmetology.
- It also helps in acquiring skills as beauty therapies, hair styling, care, grooming and aesthetics, skin care, massages etc.
- It caters detailed beauty therapy practices such as skin specific makeup techniques, making and applying face mask, lotions etc
- The course also helps students acquiring communication skills, client management skills, and relevant equipment and safety precautions.
- It provides ample amount of self-employment opportunities like owning spas, beauty clinics, parlors, beauty products marketing firms etc.

Semester I

Program Specific Outcomes

- | | |
|-------------|--|
| PSO1 | Yoga and Physical exercise as a subject includes physical activity consisting mainly of asanas, aerobics, which are accompanied by rhythmic breathing (pranayama). |
| PSO2 | Hygiene is all about personal hygiene, which includes care of yourself. Moreover, it is also about professional hygiene, which includes various methods like sanitation and sterilization. This subject also make student learn about various precautions towards chemicals and electric equipments. |
| PSO3 | Cosmetology is the study and application of beauty treatments. So, among the various branches, this subject focuses on hair therapies, which includes colors related to skin and hair, bleach, exfoliation and threading. |

- PSO4** The skin covers the entire external surface of the human body. This subject covers various aspects like introduction to skin, its structure and type, disorder of skin and treatments and care of all skin types.
- PSO5** This subject focuses on learning about massage, its benefits and types.
- PSO6** Facial treatments are followed by various electric facials by usage of different electric facial equipments. Apart from this, it also focuses on usage of various home ingredients according to different skin types followed by cleansers, toners, packs and more.

Course Outcomes

Yoga & Physical Exercises

- CO1** Students are taught Yoga along with its benefits and importance.
- CO2** Students are taught Aerobics along with its benefits and importance.
- CO3** Pranayam definition and benefits are discussed in detail in this unit.
- CO4** Students are practically trained for Asanas along with their benefits and importance. Techniques for various Asanas like Tar, Bhujang, Vajar etc are explained in practical lab.

Personal Hygiene & Safety Precaution

- CO1** Good grooming and hygiene will make students learn about cleanliness and appearance which will highlight about care of yourself and correct way of sitting, walking and different correct poses.
- CO2** This module deals with various method of sanitation and sterilization, where students learn about disinfectants which helps to kill germs and bacteria around their personal and working environment..
- CO3** Dealing with chemicals and electronic equipments is an important task. So, correct way of handling and keeping oneself away from accidents are effectively taught in this section.

CO4 Removal of unwanted hair is an important task in the field of cosmetology .So, using various technologies like depilation and epilation where student learn about waxing, tweezing, threading, creams, cutting and more.

Concept Of Colours And Bleach

CO1 Cosmetology deals with the study of skin hair and nails. So, student will learn about its aims and importance of cosmetology.

CO2 Color plays a significant role when it comes to skin and hair. Hence, this module will allow students to come across color theory, types of hair color, are more in detail.

CO3 This segment will allow student to learn varieties and procedure of bleach, which includes preparation of homemade bleach and its importance.

CO4 Exfoliation is a technique, where students will learn about its types and importance, which will carry their skills towards professionalism.

CO5 This module will help students learn about eyebrows grooming according to different face structure. Moreover this subject will also enhance student practical knowledge about bleach.

Semester – II

Course Outcomes

Anatomy Of Facial Skin

CO1 Cells are the building blocks of body. This section focuses on the basic structure of cell, its growth and reproduction.

CO2 learning about skin is very important. As skin has its defined structure and types. So, this module will help student learn about skin in details for effective and efficient professional working.

CO3 Various disorders and knowledge about glands is very important before offering any treatment to client. Hence, sweat and sebaceous glands disorder are discussed in detail in this module.

CO4 Analyzing particular skin and providing treatments according to skin type is taught in this segment where herbal and home remedies are used.

Facial Muscles And Massage

CO1 Massage provides relaxation and improves blood circulation. This module focuses on massage, its benefits, types and procedure.

CO2 Basic knowledge of facial muscles and lymphatic system are discussed in brief.

CO3 Introduction of aromatherapy and its basic manipulation methods are taught in this section.

CO4 Essential oils and its introduction with its different usage are highlighted.

Facial Treatments

CO1 Brief knowledge about bacteria, its types, growth and reproduction are focused.

CO2 Analyzing a particular skin type and producing pressure on various points and motor points are taught practical to the students.

CO3 This module focuses on learning on various electric facial equipments like galvanic, high-frequency, ultrasonic and ozone.

CO4 Students will learn about facial with different home ingredients according to different skin type, while performing steps like cleansing, exfoliation , toning , application of creams and packs.

Semester- III

Course Outcome

Anatomy Of Hair & Scalp (Theory And Practical)

CO1: Hair Anatomy allows students to learn about hair and its composition. Moreover, for the detailed learning of hair, the learners will examine Structure & its Division of hair.

CO2: The hair growth as a technical topic deals with the Growth and cluster of Hair, Hair cycle and Hair Analysis techniques.

CO3: There are various disorder and diseases related to hair and scalp, which students should know before providing any treatment to their clients. So, the student will be taught about the entire related problem of hair and scalp with practical examinations.

CO4: Importance of home remedies and making Hair care products with home ingredients practically will be trained during this segment

Care Of Scalp And Hair (Theory And Practical)

CO1: Knowledge of Scalp Manipulations, Procedure, Benefits of scalp Manipulations, Brushing, and Combing in theory and practical training will be provided to the students.

CO2: The treatments of scalp through Oil treatments, Application of Heat and High Frequency machine will be examined by the learners.

CO3: During this topic, the focus will be on types of Shampoo and Choice of Shampoo and how does a Shampoo work. Apart from this, Shampoo Procedure and myths about Shampoo will also be discussed.

CO4: What are Conditioners and Rinses and its types and how they work effectively and efficiently on the scalp will be demonstrated.

Hair Analysis And Texturing (Theory And Practical)

CO1: The students will learn about hair bonds and how bonds help to form hair structure. This topic will also focus on Acid and Alkalies level of hair.

CO2: This part focus on Types of Cutting Tools, Factors to be Consider before cutting and Care of tools and precautions.

CO3: Hair texturing and cutting lines and cutting Angle System including section and sub Sections of hair in theory and practical will be demonstrated to the learners.

CO4: To be a professional, a student should know about client consultation, which includes knowing to your client before providing services. It also includes techniques & hair cutting according to scalp & hair texture.

Semester: IV

Course Outcome

Hair Colouring And Lightening (Theory And Practical)

CO1: This segment focus on Hair Color and Principal of color and color correction including Hair Color facts & Hair Analysis.

CO2: Types of Hair color, Application Techniques & Mixing Techniques of color and Effects of Hair Color will be guided.

CO3: Focus will be on what are Pre-Lighteners its effect and why we use them with its Application Techniques.

CO4: This topic included about Hair-lighteners, Types of Hair-lighteners Effects of High-lighteners and Application techniques.

Permanent Smoothing And Rebonding (Theory And Practical)

CO1: Chemical structure of Hair, how does a chemical react in layers of Hair and determine porosity and elasticity of hair is very important to learn.

CO2: Student will learn about Difference between Rebonding and Smoothening, Analysis of Hair and Client Consultation and Procedure of chemical Hair relaxers.

CO3: Learning about Hair Spa, its Procedure and Effects of Hair Spa.

CO4: Scalp Manipulations, Techniques of Scalp Manipulation, Benefits & effects of Scalp Manipulations.

PERMANENT WAVING AND HAIR WIGS(THEORY AND PRACTICAL)

CO1: Chemistry of Permanent Waving, Chemical Changing in Waving and Safety Precaution for Permanent Waving.

CO2: Scalp Analysis, Knowledge of PH testing level of acidic/ alkaline and Procedure of Permanent Waving

CO3: Wig Materials, Wig Construction, How to attach Hair pieces and Cleaning of Wigs & Hair Pieces.

CO4: General Hair and Scalp Treatments, Making of Masks and Packs with home ingredients.

Semester: V

Course Outcome

Accessories And Grooming (Theory And Practical)

CO1: This segment focus on personality grooming, where learners will enhance their knowledge about visual poises and table and party manners.

CO2: Speaking and Conversational charm will allow students to understand about voice cultivation, topic of conversation and topics to avoid.

CO3: Focus will be on colors, effect and selection of clothing according to Figure, Physique, Complexion, Occasion, Weather & Occupation.

CO4: Selection of Accessories according to Clothes, Figure, Occupation & Occasion being a major part of personality grooming will enhance students knowledge

Anatomy Of Onyx (Nails) (Theory And Practical)

CO1: Structure of nails will allow students to gain depth knowledge about nails and its various portions like nail body, roots, free edge nail bed and more.

CO2: Student will learn about nail growth and its surrounding structure.

CO3: Nail identification includes various types of nail disorders like dry, brittle, damage, hang nails and it is very important to learn before beginning of any treatment.

CO4: Pedicure types and procedure is a technique will allow to groom nails and make students to learn about this service through practical session.

Nails Spa(Theory And Practical)

CO1: Students will learn about Nails therapy which includes Reflexology and Nail Spa with Pressure Points.

CO2: Nail Disease will allow students to learn about various diseases of nails like Onychia, Onychogypsis, Onycholysis, Paronychia, Tinea, Tinea Pedis and more.

CO3: Manicure types and procedure is a technique will allow to groom nails and make students to learn about this service through practical session.

CO4: Nail Designing is a process through which learning is focused on Application of Artificial Nails, Nail Tips, Acrylic Nails, Nail Designs and Ornaments.

Salon Management (Theory And Practical)

CO1: Salon Planning is an important aspect to understand while setting a salon, where learning is focused on salon location, planning and allotment.

CO2: Types of ownership, employees and employment is included to enhance learners knowledge.

CO3: Salon services make students learn about types and number of services and pricing list accordingly.

CO4: Record keeping focus on Income and Expenditure of Salon, Appointment Records and Record Cards.

Semester: VI

Course Outcome

Health & Safety Precautions Of Salon (THEORY AND PRACTICAL)

CO1: This segment focus on Salon Registered Act, which throws light on Registered with Health Department and Advertising and Taxes

CO2: Students will learn about various aspects to manage a salon in terms of keeping records about appointments and complaints and retail selling.

CO3: Professional ethics focuses on relationship between employee and employer and their working criteria.

CO4: This segment make students to learn about to overcome accidents due to chemicals, electric equipments and service.

Objectives of Makeup (THEORY AND PRACTICAL)

CO1: Understanding of Melanin is a major part of makeup. Skin tone depends on melanin secretion, so students learning will be focused on types and role of melanin in makeup.

CO2: Students will learn about various tools to makeup and ways to take care of them after and before being in used.

CO3: Makeup steps involves various cosmetics products and their application according skin types and tones. Hence, its learning enhances student knowledge.

CO4: This segment makes student to learn about makeovers according different weather, category and steps to makeup.

Principals of Makeup (THEORY AND PRACTICAL)

CO1: Learning about types of makeup according to Season, Occasion, Complexion, Day & Night.

CO2: Students will learn to determine Facial Balance in Makeup and Facial Lines in Makeup.

CO3: Makeup steps involves makeup basic principles. Students will make to learn about basic rules of makeup and relation color key and scheme.

CO4: Effects of Color in Makeup being an important aspects of makeup allows students to learn about Effect of Artificial Lighting in Makeup, Skin Color effect on Makeup Colors and Effect of Color Depth.

Skills of Makeup (THEORY AND PRACTICAL)

CO1: Learning about camouflage makeup, which includes Facial Area of Camouflage, Makeup Applications, Product use in camouflage.

CO2: Students will learn about corrective makeup, areas to be corrected and products to be used during corrective makeup.

CO3: Introduction to airbrush machine allows makeup students to learn about application and products used during air brush makeup.

CO4: Introduction to Theatre Makeup incudes Types of Theatre Makeup , Principals and Technique of Theatre Makeup and Product use in Theatre Makeup.

Department Of Physiotherapy

Bachelor of Physiotherapy

Program Outcome

- Physiotherapy is concerned with promotion, maintenance and restoration of health and prevention of disabilities in all ages through rehabilitation practices.
- Its benefits include decreasing pain, improving joint mobility, increasing strength and coordination and improved cardio-respiratory function.
- It offers a wide range of specialized services and benefits to patients with heart diseases, lung diseases, traumatic and sports injuries, amputation, joints pains, brain injury, spinal cord injury, nerve injury, post surgical needs etc. it is a 4 years and 6 months of internship period (Compulsory)
- An individual with the degree of BPT can work in various Multispecialty Hospitals, Trauma Care Centre, Heart and Chest care centers, Rehabilitation setups/ centers, Team Physiotherapist, Sports Centers, Own Physiotherapy Clinic, Most sought after profession abroad, Consultants to Gyms and Slimming centers, Lecturers, Tutors and Demonstrators in colleges, NGO's and W.H.O. offered programs, Old age homes and disability Rehabilitation centers
- Can pursue higher courses in Muscular skeletal/ Orthopedic/ Sports, Cardiopulmonary, Neurology, Pediatrics, Pediatric Neurology, Manipulative Therapy/ Manual Therapy

Program Specific Outcome

BPT 1st Year

PSO1: Anatomy

About:- Anatomy is the study of the structure of human body which deals with the way the parts of humans, from molecules to bones, interact to form a functional unit.

PSO2:- Physiology

About:- Physiology is a scientific discipline and is of central importance in medicine and related health sciences. It provides a thorough understanding of normal body function, enabling more effective treatment of abnormal or disease states.

PSO3:- Biochemistry

About:- Biochemistry deals with the structures, functions and interactions of biological macromolecules, such as proteins, nucleic acids, carbohydrates and lipids, which provide the structure of cells and perform many of the functions associated with life.

PSO4:- Electro Therapy-1

About:-Electrotherapy includes a range of treatments using electricity to reduce pain, improve circulation, repair tissues, strengthen muscles, and promote bone growth, leading to improvements in physical functioning.

PSO5:- Exercise Therapy-1

About:- Exercise therapy is defined as a regimen or plan of physical activities designed and prescribed to facilitate the patients to recover from diseases and any conditions, which disturb their movement and activity of daily living or maintain a state of well being through various techniques like gait training, neuro re-education and therapeutic activities.

PSO6:- Sociology and Community Health

About:- Medical Sociology and Community Health is a discipline which concerns itself with the study and improvement of the health characteristics of biological communities. Community health tends to focus on geographical areas rather than people with shared characteristics.

PSO7:- Punjabi/ Basic Punjabi

About:- The purpose of teaching Punjabi to the students in this course is to connect them with their language, culture and literature. In addition, language skills are very important in their profession.

PSO8:- Problem of Drug Abuse

About:- Substance abuse, also known as drug abuse, is use of a drug in amounts or by methods which are harmful to the individual or others. This subject gives awareness about increase in

menace of drug in India and Punjab, focuses on reasons of drug abuse, possible effects on individual family society and nation: and also mentions treatment and prevention options

BPT 2nd Year

PSO1:- Pathology and Microbiology

About:-Pathology involves the study of causes and mechanisms of diseases. Microbiology involves the study of common organisms causing diseases and precautionary measures to protect one from acquiring infections. The knowledge and understanding of Microbiology & Pathology of diseases is essential to institute appropriate treatment or suggest preventive measures to the patient

PSO2:- Pharmacology

About:-Pharmacology is the science of drugs and their effect on living systems. It is the science of what is happening to your body and to the drug itself. Every medication we take alters the chemistry within our body. Pharmacology is the science of drugs and their effect on living systems.

PSO3:- Electrotherapy II

About:- Electrotherapy includes a range of treatments using electricity to reduce pain, improve circulation, repair tissues, strengthen muscles, and promote bone growth, leading to improvements in physical functioning.

PSO4:- Exercise Therapy II

About:-Exercise therapy is defined as a regimen or plan of physical activities designed and prescribed to facilitate the patients to recover from diseases and any conditions, which disturb their movement and activity of daily living or maintain a state of well being through various techniques like gait training, neuro re-education and therapeutic activities.

PSO5:- Biomechanics

About:-Biomechanics is the study of human motion. The study of biomechanics is important when determining what causes injuries and therefore how we can prevent them from re-

occurring. Physiotherapists are professionally trained to detect biomechanical faults which can predispose you to injury

PSO6:- Psychology

About:- Psychology is the scientific study of the mind and behavior. Psychology is a multifaceted discipline and includes many sub-fields of study such areas as human development, sports, health, clinical, social behavior and cognitive processes.. *Physiotherapy* is one of the main health professions involved in rehabilitation and applying *psychology* to physiotherapy enhances *physiotherapy* outcome

PSO7:- Environmental Studies

About:-EVS is concerned with the exploration, investigation and development of an understanding of the natural, human, social and cultural dimensions of local and wider environments.

BPT 3rd Year

PSO1:-Orthopedics

About:-*Orthopedics* is a medical specialty that focuses on the diagnosis, correction, prevention, and treatment of patients with skeletal deformities - disorders of the bones, joints, muscles, ligaments, tendons, nerves and skin.

PSO2:-General Medicine

About:- General medicine is the medical specialty concerned with preventing, diagnosing and treating diseases in adults.

PSO3:- PT in Ortho Conditions

About:-This branch of physiotherapy is concerned with the treatment of injuries or disorders of the skeletal system and associated muscles, joints and ligaments Orthopaedic Physiotherapy also includes pre and post operative rehabilitation of hip, shoulder and knee

PSO4:- PT in Medical Conditions-1

About:- This branch of physiotherapy is concerned with the treatment of various medical conditions related to general medical conditions, pulmonary conditions and cardiovascular conditions. Physiotherapy also includes pre and post operative rehabilitation of these disorders.

PSO5:- Research Methodology and Biostatistics

About:- Physiotherapy is an open access, peer-reviewed journal which aims on recent innovations and development in areas of physiotherapy practice, physical rehabilitation and sports physiotherapy using advancing techniques. Clinical research in the field of physiotherapy is as important to the profession as it is to any other medical field. Physiotherapists rely on information from such research to supplement their knowledge.

PSO6:- Neurology

About:- A *neurology* is a medical specialty that is concerned with treatment of diseases, illnesses, disorders, and injuries that involve the nervous system and their treatment.

BPT 4th Year

PSO1:- General Surgery

About:- General surgery is a surgical specialty that focuses on abdominal contents including esophagus, stomach, small intestine, large intestine, liver, pancreas, gallbladder, appendix and bile ducts, and often the thyroid gland. This subject also focuses on various diseases occurring in Eye, Obstetrics and Gynecology and also ENT.

PSO2:-Community Physiotherapy & Rehabilitation

About:-Allied Health professional assess and treat people who are unable to attend as out-patients eg. The frail aged, those with acute conditions or transport difficulties. Physiotherapy helps through physical rehabilitation, injury prevention, and health and fitness. Physiotherapists help in their own recovery.

PSO3:-Pediatrics & Geriatrics

About:- Pediatrics is the branch of medicine dealing with the health and medical care of infants, children, and adolescents from birth up to the age of 18. *Geriatrics*, or *geriatric* medicine, is a specialty that focuses on health care of elderly people.

PSO4:-PT in Medical Conditions-2

About:- PTM-2:- This branch of physiotherapy is concerned with the treatment of various medical conditions related to neurological conditions in pediatric and geriatric conditions.

PSO5:- PT in Surgical Conditions

About:- Physical therapy is a vital part of recovery after surgery. Not only can it help you heal faster, improve your flexibility and range of motion and minimize scar tissue development, it can also help manage pain levels without excessive use of prescription narcotics

PSO6:- Rehabilitation, Organization and Administration

About:- Rehabilitation Administrators manage and direct a wide variety of rehabilitation service programs. Duties may include planning, programming, operations and information management, supervision, human resource development, budgetary monitoring, statistical reporting, program evaluation, research, and public relations.

PSO7:- Computer Applications

About:-Computers are the excellent means for storage of patient related data. It is often necessary to maintain detailed records of the medical history of patients. Computers can keep track of prescriptions and billing information. Physical therapists use computers for scheduling and keeping records on file. They have programs that will record the appointments set for patients. These programs they use can also store information about the patient such as personal information, and procedures being used on them.

Course Outcome**B.P.T. 1st Year****Paper – I Anatomy**

CO1:- General introduction to Histology, Osteology, General Embryology, Blood Vascular, Respiratory System, Digestive System, Endocrine System, Integumentary System and Surface Anatomy

CO2:- Neuro-anatomy includes microscopic and gross study of Peripheral Nerves, Neuromuscular Junction, Sensory End Organs, Spinal Cord Segments & Areas, brain and its

structures. Upper Extremity Osteology covers Outline of the anatomical features, attachments, ossification and side determination of the bones of U/l and Myology.

CO3:- Regional Anatomy includes detailed explanation and applied anatomy of Pectoral Region, Scapular Region, Cubital Fossa, Axilla etc. Joints of Thorax includes Identification of the various joints and explanation of Manubriosternal joint, Costo vertebral joint, Costo transverse joint etc. It also includes applied Anatomy of structures of trunk – thorax - abdomen

CO4:- Pelvis includes main features of pubic symphysis and sacroiliac joints, Muscles of pubic floor and mention their attachments, action and nerve supply. Lower extremity Osteology covers Outline of the anatomical features, attachments, ossification and side determination of the bones leg. Myology covers Fascia and Muscles of leg

Paper – II Physiology

CO1:- General Introduction covers general introduction of Cell, Skin, Blood and Lymph

CO2:- Physiology of the systems of the body includes physiology of Digestion, circulation, Excretion, Respiration, Endocrine system, General Metabolism

CO3:- Neuro – physiology includes properties and functions of nerves, Action Potential, Motor units, Reflex physiology, Synapse and synaptic transmission etc

CO4:- Muscle Physiology includes gross and Microscopic Structure and function of Muscle tissue

Paper –III Biochemistry

CO1:- Biophysics includes Concepts of pH and buffers, Cell Morphology, structure & kinetics, Water and Electrolyte metabolism, Connective Tissue, Nerve Tissue and Isotopes

CO2:- Definition, functions, sources, classifications of Carbohydrate, Lipid and Protein

CO3:- Definitions, classification, mode of action of Enzymes, Vitamins, Nutrition and hormones

CO4:- concepts of Bioenergetics, Carbohydrate Metabolism, Lipid Metabolism and Protein Metabolism

Paper – IV Electrotherapy – I

CO1:- Physical Principles Covers various physical principles like structure and properties of matter, atom, molecules, elements, compounds, Ohm's Law and its application to AC & DC

currents. Effects of Current Electricity studies Chemical effects, Magnetic effects, Thermal Effects and Physical Principles and properties of Sound and light

CO2:- Electrical supply covers outline of main supply of electric current, Dangers, Precautions and First aid & initial management of electric shock. Low Frequency Currents it includes introduction and Production to Direct, Alternating & Modified Currents. Electrical Reactions and Electro – diagnostic tests covers electrical Stimuli and normal behavior of Nerve and muscle tissue, Types of lesion and development of reaction of degeneration.

CO3:- Infra red rays covers Wavelength, frequency, types, sources, physiological & therapeutic effects, indications, contraindications, precautions, of IRR generation. Ultra – Violet Rays (UVR) covers Wavelength, frequency, types, sources, physiological & therapeutic effects, indications, and contraindications, precautions, of UVR

CO4:- Superficial heat covers mode of heat transfer, Physiological & therapeutic effects, Indications, contraindications, precautions of Paraffin wax bath, moist heat, and electrical heating pads.

Paper – V Exercise Therapy – I

CO1:- Principles, techniques and general areas of its application, Assessment & its importance. Description of fundamental starting positions and derive position including joint positions,

CO2:- Manual Muscle Testing covers principles and application techniques of Manual muscle testing. Goniometry covers principles and application techniques of Goniometry

CO3:- Soft Tissue Manipulation (Therapeutic Massage) covers classification and description of various Soft Tissue Manipulation techniques

CO4:- Motor Learning covers Introduction, Classification, Theories and applications of motor learning and motor control. Relaxation & Therapeutic Gymnasium includes description, Techniques, Effects, uses, indication & contraindication of relaxation therapy. It also covers Setup, various equipment, Operational skills, effects & uses of therapeutic Gymnasium

Paper – VI Sociology & Community Health

CO1:- It defines definitions of sociology, sociology as a science of society, uses, application of knowledge of sociology in physiotherapy and occupational

Therapy. Sociology & Health enumerates social factors affecting health status, social consciousness and perception of illness. Socialization covers Meaning of socialization, influence of social factor on personality, socialization in hospitals and rehabilitation of patients.

CO2:- Family covers influence of family on human personality, individual's health, sickness on family, and psychosomatic disease. Community covers concept of community and role of rural and urban communities in public health. Culture enumerates components of culture and its impact on human behavior. Caste System Features of modern caste system and its trends.

CO3:- Social Control: Meaning of social control, role of norms, folkways, customs, morals, religion, law and other means of social control in the regulation of human behavior, social deviance and disease 2. Social Problems of the Disabled and Social Security

CO4:- Introduction to Community Health, Community and rehabilitation

Paper VII- Punjabi/ Basic Punjabi/ Punjab History Culture

AIMS

- Studying Punjabi will facilitate students in communicating with patients.
- In the syllabus of this course, where modern Punjabi poetry is taught to the students, stories are also taught.
- The purpose of which is to increase their literary knowledge. Also included in the syllabus are some interesting articles.
- Some grammatical concepts are also taught to increase language proficiency.

Overall, the Punjabi subject is very important and useful for the multifaceted development of students.

Paper VIII- Problem of Drug Abuse

CO1:- Meaning of Drug Abuse covers meaning, Nature and Extent of Drug Abuse in India and Punjab. It also includes Consequences of Drug Abuse.

CO2:- Management of Drug Abuse Includes Medical Management, Psychiatric Management, Social Management for the treatment of Drug abuse patient

CO3:- Prevention of Drug abuse includes role of family, school, Parent-teacher-Health Professional Coordination for the prevention of Drug abuse among youths

CO4:- Controlling Drug Abuse includes media, Laws and Legislation for the control of drug abuse

BPT 2nd YEAR

Paper – I Pathology & Microbiology

Pathology (Part 1) General Pathology

CO1:- Aims and objectives of the study of pathology covers meaning of terms, etiology, pathogenesis and lesions of Inflammation and Repair

CO2:- Systemic pathology covers a brief outline of etiology, pathogenesis and general features of diseases of blood, blood vessels, Disease of heart, Respiratory System, Bone and Joints disorders are covered

CO3:- introduction to microbiology, Classification of microorganisms, Infection, prevention and control of infection

CO4:- Infectious diseases covers various infectious diseases with respect to the causative organism, mode of transmission, pathogenesis, prevention, and diagnostic tests is taught like Chicken Pox, Measles, Mumps etc

Paper – II Pharmacology

CO1:- General action of drugs covers general action of drugs like drug allergy, idiosyncrasy, drug toxicity etc.

CO2:- Drugs acting on Central nervous system covers various drugs that are acting on CNS and PNS

CO3:- Drugs acting on Neuromuscular junction and muscles and Drugs for pain management

CO4:- Respiratory System covers various drugs that are acting on Respiratory system. Drugs acting on cardiovascular system covers various drugs that are acting on CVS

Paper – III Electrotherapy – II

CO1:- General review of Neuro – muscular Physiology including effects of electrical stimulation, physiological and therapeutic responses to heat gain or loss on various tissues of the body etc are covered.

CO2:- High Frequency Currents (S.W.D. and M.W.D.), Medium Frequency Currents (Interferential Therapy), High Frequency Sound Waves (Ultrasound) covers Production,

biophysical effects, types, therapeutic effects, techniques of application, indications, contraindications, precautions, operational skills and patient preparation are covered

CO3:-Therapeutic Light in Physiotherapy (LASER), Therapeutic Cold (Cryotherapy)covers Production, biophysical effects, and types, therapeutic effects, techniques of application, indications, contraindications, precautions, operational skills and patient preparation are covered

CO4:-Therapeutic Mechanical Pressure (Intermittent Compression Therapy) covers Production, biophysical effects, and types, therapeutic effects, techniques of application, indications, contraindications, precautions, operational skills and patient preparation are covered. Electro – diagnosis andBio–feedbackcovers Instrumentation, principles, therapeutic effects, indications, contraindications, limitations, precautions, operational skills and patient preparation.

Paper – IV Exercise Therapy – II

CO1:- Therapeutic Exercises **covers** principle, classification, techniques, physiological & therapeutic effects, indications & contraindications of therapeutic exercises are covered. Joint Mobility, Muscle Insufficiency, Neuromuscular Inco-ordination covers etiogenesis general techniques of mobilization, effects, indications, contraindications & precautions.

CO2:- Posture, Balance, Gait covers normal posture, abnormal posture, Static and Dynamic Balance, Gait and Gait deviations are covered

CO3:- :- Hydrotherapycovers basic principles of fluid mechanics, physiological & therapeutic effects of hydrotherapy, including joint mobility muscle strengthening & wound care etc. are covered

CO4:- special mobilization & manipulation techniques; Conceptual framework, principle of proprioceptive neuromuscular facilitation (PNF); traction; breathing mechanism; Group Theory; Introduction to Yoga are covered.

Paper – V Biomechanics

CO1:- Mechanics covers introduction to mechanics, Newton's law of motion, Centre of Gravity, line of gravity, stability and equilibrium.

CO2:- Joint Structure and Function covers basic principles of Joint design and a human joint, tissues present in human joint including fibrous tissue, bone cartilage and connective tissue etc are covered

CO3:-Muscle Structure and function enumerates mobility and stability functions of muscle, elements of muscle structure and its properties etc

CO4:-Posture & Gait covers detailed explanation of normal posture, postural imbalance, description of Normal gait, determinants of gait and gait deviations

Paper – VI Psychology

CO1:- General Psychology covers definition of Psychology, Heredity and Environment, Development and Growth Behavior, Intelligence Definitions, Motivation, Emotions and Personality

CO2:-covers Learning, Thinking and Frustration, Sensation, Attention and Perception

CO3:- Health Psychology covers Psychological Reactions of a Patient, Reactions to Loss, Communications and Compliance

CO4:- Emotional Need, Geriatric Psychology, Pediatric Psychology, Behavior Modifications, Substance and Personality Styles

Paper VII Environmental Studies (Compulsory)

CO1:- The multidisciplinary nature of environmental studies, Definition, scope & its Importance, Need for public awareness. Natural resources like forest resources, water resource, mineral resource, food resources etc and associated problems.

CO2:- Ecosystem covers concept, Structure and function, Energy flow in the ecosystem, Ecological succession, Food chains, food webs and ecological pyramids.

CO3:- Biodiversity and its Conservation covers definition, Value, Threats. Environmental Pollution, Definition, Causes, effects and control measures of various forms of environmental pollution and Solid Waste Management

CO4:- Social Issues and Environment covers various social issues and environmental issues. Human population covers topics like population growth and population explosion. Field Work, Visit to a local area to document environmental assets and Visit to a local polluted site

B.P.T. 3rd year

Paper 1 Orthopaedics:

CO1:-Introduction includes introduction to orthopedic terminology, types of pathology commonly dealt with, clinical examination, and common investigations

Techniques and outline of non – operative management. Principles of Operative Treatment covers indications, contraindication and briefly outline principles of: Arthrodesis, Arthroplasty, Osteotomy, Bone grafting, Tendon – Transfers and Arthroscopy. Sprains and Muscle Strains, Sports Injuries, Fractures and Dislocations of Upper Limb, lower limb and spine

CO2:- Amputations, Bone & Joint Infections and Bone Joint Tumors

CO3:-Chronic Arthritis, Neck & Back Pain, Painful Arc Syndrome, Tendonitis, Facitis & Spasmodic Torticollis and Spinal Deformities

CO4 :-Poliomyelitis, Congenital Deformities, Peripheral Nerve Injuries and Hand Injuries

Paper – II General Medicine

CO1:-Bacterial Diseases covers Tuberculosis, Leprosy, Rheumatic fever, Tetanus, Typhoid fever, Diphtheria, Pneumonia, Bacillary Dysentery and Measles. Viral Diseases, Metabolic and Deficiency Diseases

CO2:-Diseases of Respiratory System covers Asthma, Bronchitis, Massive collapse of lungs, Bronchiectasis, Bronchial Pneumonia etc. Diseases of Circulatory System Includes Thrombosis, Embolism, Gangrene, Valvular diseases etc.

CO3:-Diseases of Digestive Systems covers Pharyngitis, spasm of the Oesophagus, Diverticulum, stenosis etc. Disease of Liver covers Jaundice, Cirrhosis of liver, Abscess of liver, Ascitis. Diseases of Kidney covers Polyuria, Hematuria, Uremia, Anuria, Nephritis, Urinary infections, Urinary calculi.

CO4:-Diseases of Skin covers Characteristics of normal skin, abnormal changes, types of skin lesions. Psychiatry is about Introduction, Definition, defense mechanism, symptomatology, types & causes of mental disorders, psychosomatic disorders. Mental retardation covers Definition, causes, manifestation and management

Paper – III Physiotherapy in Orthopaedic Conditions

CO1:-Introduction covers Classification and type of displacement, method of immobilisation, healing of fractures and factors affecting union, non union, delayed union etc. common sites of fractures. Specific fractures and their complete physiotherapeutic management of Upper Limb and Lower Limb

CO2:-Surgical procedures includes Pre and post operative management of common corrective procedure like arthroplasty, arthrodesis, osteotomy, tendon transplants, Amputation; Deformities; congenital torticollis and cervical rib etc

CO3:-Degenerative and infective conditions includes osteoarthritis of major joints, spondylosis, spondylitis, spondylolisthesis, PIVD, Periarthritis of shoulder, Tuberculosis of spine, Rheumatoid arthritis, Ankylosing spondylitis etc.

CO4:-Principles of sports physiotherapy covers causes of sports injury, prevention of sports injuries, management of acute sports injury, common occurred injuries. Role of physiotherapist in sports, principle & advanced rehabilitation of the injured athlete.

Paper – IV Physiotherapy in Medical Condition-I

CO1:-General Medicine covers Review of the Pathological and principles of management by Physiotherapy to the following conditions: Inflammation, Oedema, Common conditions of Skin etc.

CO2:-Respiratory covers Review of pathological changes and principle of management by physiotherapy of Bronchitis, Asthma, Lung abscess, Bronchiectasis etc.

CO3:-Cardiovascular covers Review of pathological changes and principle of management by physiotherapy of following conditions: Thrombosis, Embolism, Buerger's diseases, Arteriosclerosis, Thrombophlebitis etc.

CO4:- Review of anatomy & physiology of the cardiovascular system, Knowledge of various investigative procedures (invasive & noninvasive) used in the diagnosis and Review of pathological changes and principle of management by physiotherapy

Paper – V Research Methodology and Biostatistics

CO1:-Introduction includes Importance of research in clinical practice, scientific approach, characteristics, purposes and limitations. Ethical issues in research, elements of informed consent, Structure of a research proposal.

CO2:- 1. Research Question including literature review.

2. Measurement: Principles of measurement, reliability and validity.

3. Experimental sampling and design.

4. Descriptive research.

CO3:- Descriptive statistics, Comparison of means, T – tests, Analysis of Variance, Qualitative and quantitative observations, Measures of Central Tendency – Arithmetic Mean, Median and Mode, Position of averages, Graphical representation of data, Measures of dispersion – range, variance, mean deviation, standard deviation and coeff. Of variation Frequency distribution, Correlations

CO4:- Graphical representation of data, Measures of dispersion, Frequency distribution and Correlations

Paper – VI Neurology

CO1:-Neuroanatomycoversthe basic anatomy of the brain and spinal cord including:

Blood supply of the brain and spinal cord, anatomy of the visual pathway, connections of the cerebellum and extrapyramidal system, relationship of the spinal nerves to the spinal cord segments, long tracts of the spinal cord, the brachial and lumbar plexus and cranial nerves.

CO2:-Neurophysiology includesReview in brief the Neurophysiological basis of: tone and disorders of the tone and posture, bladder control, muscle contraction, movement and pain, Assessment and evaluative procedures for the neurological patient, Review of the principles of the management of a neurological patient.

CO3:- Neurological disorders briefly outlines the etiogenesis, clinical features and management of the following Neurologicaldisorders: Congenital and childhood disorders,. Cerebrovascular accidents , Trauma, Diseases of the spinal cord, Demyelinating, Guillain – Barre syndrome, Acute disseminated encephalomyelitis etc.

CO4:-study of pathologies like Epilepsy, Myasthenia Gravis, Intracranial Tumors, Cranial nerve

B.P.T 4TH YEAR

Paper – I General Surgery

CO1:-Introduction covers the principles of surgery and its procedure. Shock includes definition, types, clinical feature, pathology & management. Haemorrhage covers its common sites, complication, clinical features & management. Blood Transfusion covers Blood group matching, indication & complication. Anaesthesia includes Principles of anaesthesia, types & procedure. Acute Wounds, Chronic wounds, Scars & their Management. Wound infections covers Psychology and manifestation, Types of infections & their Management.

CO2:-Obstetrics & Gynaecology covers the Pregnancy, stages of labour & its complications, indications & types of surgical procedures. Gynaecological disorders – Salpingitis, parametritis, retro-uterus, and prolapse of uterus, pelvic inflammatory diseases, and urinary incontinence.

CO3:-Ophthalmology includes Common inflammations and other infections of eye.

CO4:-Ear, Nose & Throat classify the causes of hearing impairment, assessment techniques

PAPER-II: COMMUNITY PHYSIOTHERAPY & REHABILITATION

CO1:-Introduction includes Surveillance, Monitoring & Screening in Occupational Health, Types & purposes of work place health examination, Ethical Issues in health examination in the work place, Work Disability

CO2:- Industrial Hygiene includes the Recognition of Occupational & Environmental Hazards, Hazard Evaluation, Hazard Control, Women's Occupational Health Problem and Maternal & Child Health

CO3:- Nutrition in Public Health & Preventive Medicine covers Nutritional deficiencies: Causes & Consequences, Dietary Recommendations, Nutritional disorders in women

CO4:-Family Planning Programs & Practices covers the Goals, Policies & Laws, Effects, Family Planning Problems in Public Health. Health Problems of the Age covers the Ageing, Illness, Psychological causes

Paper – III Paediatrics & Geriatrics

CO1:-Paediatrics covers normal foetal development & child birth, including assessment of a neonate, Development of a normal child – neuromotor, physical growth, cognitive, intellectual, social Etc,

CO2:-The examination & assessment of a pediatric patient, Congenital & acquired musculo skeletal disorders – etiology, clinical manifestation & principles of management, Congenital & acquired Cardio - pulmonary disorders – etiology, clinical manifestation & Principles of management. Nutritional Vitamins Deficiency & Development Disorders – etiology, clinical manifestation & principles of management.

CO3:-Geriatrics covers the Normal aging – definition, the anatomical, physiological and cognitive changes related to aging, Epidemiology and socio- economic impact of aging

CO4:-The examination & assessment of a geriatric patient, Musculo skeletal disorders – etiology, clinical manifestation & principles of management, Cardio - pulmonary disorders – etiology, clinical manifestation & principles of management.

Paper – IV Physiotherapy in Medical Conditions – II

CO1:-Neurology includes the Examination of Neurological disorders and principles of treatment, Knowledge of various investigative procedures (invasive & noninvasive) used in the Diagnosis of various neurological disorders

CO2:- Review of pathological changes and principle of management by physiotherapy of the following conditions: Hemiplegia, Paraplegia, Tabes dorsalis, cerebellar ataxia, extra pyramidal lesions, Guillain Barre Syndrome, Parkinsonism, Peripheral Nerve and cranial Nerve lesions, Neuritis and Neuralgia – Brachial, sciatic etc.

CO3:-Paediatrics includes the Review of the examination & assessment of a Paediatric patient, Review of pathological changes and principle of management by physiotherapy of the following conditions: Common congenital & acquired musculo skeletal disorders, Common congenital & acquired neurological disorders (CNS & PNS), Common heredity disorders, Common nutritional, metabolic & vitamin deficiency disorders, Cerebral palsy, myopathy and muscular dystrophies.

CO4:-Geriatrics covers the Review of the examination & assessment of a Geriatric patient, Review of pathological changes and principle of management by physiotherapy of the following conditions: Musculo skeletal disorders, Cardiopulmonary disorders, Neurological disorders (CNS & PNS), Injuries & accidents specific to the aged.

Paper – V Physiotherapy in Surgical Conditions

CO1:-Thoracic Surgery includes the Review of pathological changes and principle of pre and post operative management by physiotherapy of the following conditions: Lobectomy, Pneumonectomy, Thoracotomy, Thoracoplasty, Endoscopy & eye hole surgeries, Corrective surgeries of congenital heart defects, angioplasties, blood vessel grafting, open heart surgeries & heart transplant.

CO2:-General, Gynaecology and Obstetrics and ENT covers the Review of pathological changes and principle of pre and post operative management by physiotherapy of the following conditions: Common abdominal surgeries, including GIT, liver, spleen, kidney, bladder etc, Common operation of reproductive system, including surgical intervention for child delivery, Ante natal & post natal, physiotherapy

CO3:-Wounds, Burns & Plastic Surgery covers the Review of pathological changes and principle of pre and post operative management by physiotherapy of the following conditions: Wounds, ulcers, pressure sores, Burns & their complications, Common reconstructive surgical proceedings of the management of wounds, ulcers, burns & consequent contractures & deformities.

CO4:-Neurosurgery covers the Review of pathological changes and principle of pre and post operative management by physiotherapy of the following conditions: Common surgeries of the cranium & brain, Common surgeries of vertebral column & spinal cord, Common surgeries of peripheral nerves, surgical interventions in traumatic head injuries.

Paper – VI Rehabilitation, Organization and Administration

CO1:-Rehabilitation includes the Conceptual framework of rehabilitation, roles of rehabilitation team members, definitions and various models of rehabilitation, Community Based Rehabilitation and outreach programs to rehabilitate persons with disabilities living in rural areas.

CO2:-Disability covers the Epidemiology of disability with emphasis on locomotor disability, its implications –individual, family, Social, economic and the state, Preventive aspects of disability and organizational skills to manage it, statutory provisions, Schemes of assistance to persons with disability.

CO3:-Orthosis covers the Principles of Orthotics - types, indications, contra-indications, assessment, uses and fitting – region wise, Fabrication of simple splints and self help devices for upper and lower extremity, indications and application. Principles of Prosthetics covers the types, indications, contra-indications, assessment (check out), uses and fitting – upper and lower extremity.

CO4:-Speech and hearing includes the Common disorders of speech and hearing – etiology, clinical features, assessment and principles of management. Mental Retardation includes the Identification, assessment and classification of mentally subnormal, Etiology and principles of management including prevention, Rehabilitation of the mentally subnormal, including vocational training & a home education programme.

Paper – VII Practical: Computer Applications

CO1:- To study the various components of a personal computer.

CO2:- To have working knowledge of hardware and software.

CO3:- To practice the operational skills of common computer applications, including word processing & spread sheet software.

CO4:- To have a basic knowledge of utility of multimedia.

Department Of Home Science

As an elective subject in B.A.

Home Science (B.A.)

Program Outcomes

- Home Science is a mission oriented field with goals of enabling the students to be more self sufficient, developing the full potential of all human beings and enhancing their quality of life.
- Home Science as an art as well as science acquaints the students with the knowledge related to different aspects of family life as it deals with various independent fields like Family Resource Management, Foods and Nutrition, Clothing and Textiles, Human Development and Extension Education.
- The objective is to inculcate skills in the students to become self- reliant as they get practical exposure in different areas related to day-to-day life. The subject provides the students with a rich curriculum to help them to be self- reliant as they can use their skills in cookery, designing, interior decoration, printing etc. for self- employment. They get an opportunity to develop entrepreneurial skills as well.
- The course aims to equip the students with the knowledge required for a gainful employment and self-empowerment.

Program Specific Outcomes

B. A. Semester I and II: Home Science (Family Resource Management & Hygiene)

PSO1

- Family Resource Management deals with all the aspects related to the well-being of all the members of the family.
- It teaches students to make best use of available resources such as time, money and energy effectively for a better living as well as to organize space in the home, select proper colour schemes, manage budget, make flower arrangements, floor decorations with rangoli, alpana, utilize and make best use of available resources at home to prepare

decorative and utility article, table layouts for different menus and meals, and dining etiquettes.

- Knowledge of Hygiene makes the students learn the significance of personal hygiene and food hygiene required in all aspects of life for the health and well-being of the family members.
- The students learn about the control and prevention of common diseases and the methods to stay away from diseases.
- Knowledge of Physiology helps the students understand the importance of different organ systems in maintaining a healthy body.

B.A. Semester III & IV: Home Science (Clothing & Textiles)

PSO2

- Knowledge of Clothing and textiles makes the students to have the understanding to dress well in order to enhance one's personality. Practical experience in learning the skills in clothing, embroidery, printing etc. enable them to decide what suits the best according to figure, personality, profession, season and so on.
- The students learn the methods for surface ornamentation of the fabrics by using different techniques of dyeing and printing i.e., tie and dye, block printing, screen printing, stencil printing, fabric painting etc.
- The students gain the understanding of fiber, yarn and fabric construction with their properties and uses in our lives.

B.A. Semester V & VI: Home Science (Foods & Nutrition, Child Development)

PSO3

- Foods and Nutrition provides knowledge about food and the various nutrients which helps us to eat healthy and stay well.
- The subject enriches the students with the basics of nutrition as well as hands on experience in learning the skills in cookery.
- Knowledge of therapeutic nutrition helps the students to understand the importance of diet in the management of common diseases and planning of diet for these diseases.

- Child Development provides the knowledge of different parameters related to the overall development of the child (Physical, emotional, language, social, cognitive and behavioral problems as well). This helps the students to understand the importance of good environment, nutrition, exercise, friends, and family in enhancing the well-being of the growing children.

Course Outcomes

B. A. Semester I: Home Science (Family Resource Management & Hygiene)

CO1 The students will learn about the importance of home for an individual, the functions of home and the principles of planning a home that help an individual to enjoy the comforts of home and better conditions of living. Principles of planning a home are important to understand as this help in making the best use of space and enjoy the beauties of nature.

CO2 Understand the importance of different elements and principles of art in creating aesthetics in the living space. Knowledge of elements and principles of design help the students to create a good design when they learn to arrange the furniture and furnishings in their homes. The students learn the required and optimum use of colors and textures to decorate the interiors.

CO3 The students learn the importance of hygiene in maintaining a good health. Understanding of types, sources, causes, carriers and prevention of infection and other common diseases is important for all individuals as this helps in keeping the diseases away. The students learn about the different types of immunity and its importance.

CO4 Knowledge of Food Hygiene helps the students in maintaining the healthy food standards as they learn about the causes of food spoilage, food poisoning and its prevention. Provision of safe drinking water is important part of food hygiene as students learn about the purification and storage of water at home.

CO5 Learn the practical ways of decorating the home as planning of color schemes, creating textures on material, furniture arrangement, flower arrangement, table setting, dining etiquettes, using the waste to prepare decorative and utility articles for home decoration, floor decorations with rangoli, alpana etc.

B. A. Semester II: Home Science (Family Resource Management & Hygiene)

CO1 The students will learn about the process of home management as it helps in attaining the goals of satisfaction and happiness in family life. They will understand the ways for arranging furniture according to the principles of art and use of elements and principles of design in creating flower arrangements for different occasions.

CO2 The students understand the importance of family resources and their characteristics. They get acquainted with the importance of human and non-human resources, the methods of the efficient use and management of human and non-human resources as time, money and energy in order to maximize our satisfaction. Principles of work simplification are important in the efficient management of time and energy.

CO3 It is important for students to understand the working of the various systems of the body as they learn about the importance of physiology for individuals. The students learn the structure and functions of various organs of our circulatory system and digestive system. This knowledge helps them in understanding how the different nutrients are digested in our body and the nutrition we get from them; the functions and importance of blood; structure and functions of human heart.

CO4 Knowledge of human reproductive system is essential for the students as they learn about the importance of male and female reproductive system and the functions they perform for humans. The students learn about the functions and importance of lungs in respiration, kidneys in excretion, skin etc.

CO5 Learn the practical ways of planning and placement of furniture, formal table setting for various meals, fresh and dry flower arrangements and various techniques of decorating our homes with self-created materials.

B.A. Semester III: Home Science (Clothing & Textiles)

CO1 The students gain the basic knowledge of various equipment and supplies used in clothing construction, Structure and Functions of different parts of sewing machine to be used for clothing construction, its operation, care and maintenance required for its effective and easy usage.

CO2. The students develop an understanding of different methods of developing a design using drafting, pattern making and draping techniques. They learn to use various anthropometric measurements for developing patterns for different garments and to learn the basics of clothing construction.

CO3 The students get acquainted with the process of fabric construction as they learn about the manufacture process of commonly used natural and artificial fibers in the textile industry. The knowledge is useful in developing an understanding of the various properties of fibers which are used in textile industry and their usefulness to the consumers. Learn the process of fiber to fabric i.e., manufacture and properties of different natural and artificial fibers.

CO4 The students learn about the process of dyeing and printing of fabrics. Knowledge of various techniques of fabric designing like tie and dye, block printing, stencil printing, fabric painting, screen printing etc. help the students to learn their use in surface ornamentation of the textile fabrics. Principles of laundry are helpful in understanding the merits and demerits of different methods used in laundry of common household clothing.

CO5 The students learn the different techniques of garment construction as they prepare seams, seam finishes, embroidery motifs, hand stitches, useable articles using printing techniques in their practical.

B.A. Semester IV: Home Science (Clothing & Textiles)

CO1 The students gain the basic knowledge of the elements and principles of art in the selection of clothing for individuals. They learn the importance of elements and principles of design in enhancing the personality of the wearer. Colors and textures can be very effectively used in creating interest and suitability to the figure and personality of the wearer.

CO2. The students develop an understanding of different factors to be considered in the selection of clothing for different individuals on the basis of their age, gender, occupation and other related factors. They learn the methods for the right care, maintenance, and storage of household clothing on the basis of their properties.

CO3 The students get acquainted with the process and techniques of bleaches and finishes used in fabric manufacture. The knowledge of types and uses of bleaches is important for stain

removal. The different finishes applied to the fabric has its significance in improving variety and usefulness of the fabrics for the end consumers.

CO4 The students learn about the different techniques used in fabric construction like weaving knitting, knotting, felting, bonding etc. Knowledge of different types of yarns help the students understand their usefulness in the process of manufacture of fabrics.

CO5 The students learn the different techniques of garment construction as they prepare commonly used garments and the techniques of enhancing the aesthetic appeal with fabric painting and printing techniques.

B.A. Semester III: Home Science (Foods & Nutrition, Child Development)

CO1 The students learn the importance of food and its functions. Knowledge of different food nutrients help the understand their importance in providing nutrition to the body. They learn the functions, sources, deficiency diseases and recommended allowances of carbohydrates, proteins and fats. Understanding of different methods of food preparation with their merits and demerits is helpful in attaining optimum nutrition from our daily food.

CO2 Understand the importance of various food micronutrients as important vitamins and minerals; their functions and sources for better health. Principles of food preservation help them in understanding the importance of making the common foods available in all seasons in our households.

CO3 Understand the importance of child development, interaction of heredity and environment in the development of children. Principles of development get them acquainted with the important factors to be considered for the upbringing of children and for their personality development. Its important to understand the patter of development of children as the overall personality of children depends up the combination of all developments.

CO4 The students learn the pattern and importance pf motor development, language development and emotional development of children. It is important to understand the factors which effect the different developments of children as they have a long lasting impact on the overall personality of the individual as they grow up in society.

CO5 Preparation of different cuisines including main courses, side dishes, desserts, beverages etc. using different methods of cooking with special emphasis on its nutritive value.

B.A. Semester III & IV: Home Science (Foods & Nutrition, Child Development)

CO1 The students learn about food adulteration and its types, common food adulterants and their harmful effects. Knowledge of food groups, concept of balanced diet, and principles of meal planning will help them understand the important points to be considered to plan daily diet for different age groups. Principles of meal planning are very helpful in planning diets in such a way as to achieve maximum nutritional benefit from our daily diets.

CO2 Knowledge of therapeutic nutrition is important in understanding the role of diet in treatment of common lifestyle diseases. The students learn about the diet principles to be used in conditions of fever, obesity, heart diseases, digestive disorders etc. The knowledge of different therapeutic diets helps them in planning diets for people in different disease conditions.

CO3 The students learn about the different behavioral problems in children, their causes and ways to overcome these, significance of play and play material for the healthy development of children

CO4 The students understand the importance of prenatal period in the later life of the individuals. Knowledge of various discomforts during pregnancy and the physical and psychological care needed during prenatal period help the students understand the importance of this period in the life of an individual.

CO5 Preparation of different food items for cuisines including main courses, side dishes, desserts, beverages etc. using different methods of cooking with special emphasis on its nutritive value.

Department Of Psychology

B.A. (Bachelor of Arts)

Program Outcome

- This course is specially designed for non psychology students to give them additional knowledge related to consumer behavior.
- The students who want to pursue their career in marketing can be benefitted from this course.
- This course explains various theories which help to understand the basic concepts of consumer behavior.
- This course also explains latest trends in advertisement and role of psychology in enhancing the business.
- This course is specially designed for graduate students to learn the process of counselling.
- The students who want to pursue their career as school, clinical and personal counselor can be benefitted from this course.
- This course explains various theories which help to understand the basic techniques of counseling.
- This course also explains latest trends in counseling and explains various areas of application.
- **PROGRAM SPECIFIC OUTCOMES**
- **PSO1** : Students can understand the Art and Science of counseling. Meaning, purpose and goals of counseling with special reference to India, Historical Perspective, counselling process etc.
- **PSO2**:Students will show knowledge and understanding of psychological testing, and psychological assessment along with the purpose. They will have knowledge on career assessment related to interest, personality and values.
- **PSO3**:Students will become familiar with the major counseling approaches categorized as humanistic, experiential, learning/cognitive, and psychoanalytic/psychodynamic. They

will become able to critically examine different approaches to counseling and understanding of theoretical frameworks.

- **PSO4** : Learners will develop knowledge of the core theoretical areas, major models, and basic techniques of family counseling. Describe and demonstrate theories and methods of career counseling.

Course Outcomes

Semester-I Paper: Basic Psychological Processes

CO 1: Students will demonstrate familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology.

CO 2: Students will understand and apply basic research methods in psychology, including research design, data analysis, and interpretation.

CO 3: Students will respect and use critical and creative thinking, skeptical inquiry and the scientific approach to solve problems related to behavior and mental processes.

CO 4: Students will understand and apply basic statistical methods understand individual differences.

Course Outcomes Semester-II Paper: Basic Psychological Processes

CO 1: Students will be able to weigh evidence, tolerate ambiguity, act ethically, and reflect other values that are the underpinnings of psychology as a discipline.

CO 2: Students will recognize, understand, and respect the complexity of socio-cultural and international diversity.

CO 3: Students will understand and apply psychological principles to personal, social, and organizational issues.

CO 4: Students will understand and apply basic statistical methods understand individual differences

Semester-III Paper: Biological basis of behavior

CO 1: Students will have the opportunity to develop a deep understanding and broad knowledge of the general theoretical and scientific principles of Physiological psychology.

CO 2: Students will acquire in-depth knowledge in specialized areas of Physiological Psychology.

CO 3: They will have the opportunity to acquire and demonstrate bibliographic skills to search out information appropriate to a particular topic.

CO 4: They will have experience in compiling written reviews of key topics in psychology in which they will be expected to have knowledge, depth of understanding, and a critical appreciation of the strengths and weaknesses of theoretical claims and research evidence or conceptual argument.

Semester-IV Paper: Biological basis of behavior

CO 1: Students will understand and apply research methods in Experimental psychology, including research design, data analysis, and interpretation.

CO 2: Students use critical and creative thinking, skeptical inquiry and the scientific approach to solve problems related to behavior and bodily processes.

CO 3: Students will understand various concepts and principles of Physiological psychology.

CO 4: Students will understand various concepts and principles of Normal probability curve.

Semester-V Paper: Abnormal Psychology-Upon successful completion, students will have the knowledge and skills and should be able to:

CO 1: Identify and describe major terms and concepts in abnormal psychology.

CO 2: Describe and apply major theories of abnormal psychology.

CO 3: complete understanding related to the DSM and ICD which helps to identify as well as differentiate between various disorders.

CO 4: Students will understand various concepts and principles of Addiction(alcohol and drugs).

Semester-VI Paper: Abnormal Psychology

CO 1: think critically about ethical, legal, cultural and contemporary topics in Abnormal psychology.

CO 2: demonstrate preliminary knowledge of the main empirically based approaches available to treat or manage the conditions covered in the course.

CO 3: Describe the symptomatology associated with major mental disorders and apply to case examples.

CO 4: Think critically about issues and changes in psychiatric nomenclature.

B.A. Psychology with Honours

Semester-III Paper: History and Schools of Psychology-After completing the course, the students will be able to:

CO 1: Discuss the philosophical and scientific foundations of psychology.

CO 2: Critically examine problems, questions, and assumptions of various schools of thought such as functionalism, psychoanalysis, behaviorism, and Gestalt, humanistic and experimental psychology.

CO 3: Compare Eastern and Western philosophical and intellectual traditions from antiquity with contemporary thought on human relationships.

CO 4: Develop deeper understanding and insight into the origin and contents of various schools of thoughts and the ability to critically analyze them.

Semester-IV Paper: Social Psychology- After completing the course, the students will be able to:

CO 1: Demonstrate in an applied context a systematic understanding of the behavior of the individual in social interaction.

CO 2: Examine critically the explanations for the occurrence of certain kinds of social behavior.

CO 3: Critically apply social psychological principles to social problems and issues.

CO4: Identify both theoretical and practical methodological issues central to social psychological research.

Semester-V Paper: Psychological testing

CO1: Students would have thorough understanding of the development and use of psychological tests.

CO2: Students would have thorough understanding of the application of such tests in the education, counseling, and business sectors.

CO3: Students will be able to demonstrate knowledge: How psychological tests are developed? And how psychological tests are evaluated?

CO4: Students will be able to demonstrate knowledge about the characteristics and purposes of the major psychological tests used in education, clinical and counseling practice, and business. Basic understanding related to ethics and laws pertaining to the use of psychological tests.

Semester-VI Paper: Applied Psychology

CO 1: To produce graduates with effective interpersonal skills who can work in a variety of practical settings. Enable students to obtain the knowledge and skills necessary for immediate employment and/or graduate study in psychology and related areas.

CO 2: To provide opportunities for students who wish to apply psychology training to employment in business and human service related organizations or to prepare for graduate programs in related areas.

CO 3: Mentor students' by providing opportunity and instruction in basic and applied psychology through community engagement, as well as allied health and service professions

CO 4: Instill cooperative learning strategies that enable students to participate effectively in group projects and in circumstances surrounding employment

Consumer Psychology all graduate streams –Sem-I

CO 1: Students can understand the concept, needs, latest trends and application of consumer psychology.

CO 2: Students can learn motivation and how motivation helps in marketing of the product.

CO 3: Students can learn personality and perception of the consumer and how to use this knowledge to promote the business.

CO 4: Students can understand learning of the consumer and how to use this knowledge to promote the business.

Diploma in Counseling

Semester –I

Paper: Introduction to counseling

CO 1: Students can understand the Art and Science of counseling. Meaning, purpose and goals of counseling with special reference to India, Historical Perspective

CO 2: They will have knowledge of Professional Issues: Education and Training of counselor, ethical considerations in counseling

CO 3: They will understand the Counseling Process.

CO 4: They will understand the Historical background of counseling in India.

Paper: Techniques of Appraisal for Counseling

CO 1: Students will show knowledge and understanding of psychological testing, and psychological assessment along with the purpose. They will have knowledge on career assessment related to interest, personality and values.

CO 2: They will understand the various aspects of career development, assessment, and planning for clients. They will understand the purpose and uses of a variety of tests along with the limitations of testing and assessment.

CO 3: They will become capable to understand and demonstrate competency with counseling assessments, including knowledge of types of assessments, statistical concepts, and the use of assessment tools.

CO 4: They will study the development and use of psychological tests i.e. application of tests in education and counseling. They will understand the legal and ethical issues in psychological testing and internship.

Semester-II

Paper: Approaches to Counseling

CO 1:Students will become familiar with the major counseling approaches categorized as humanistic, experiential, learning/cognitive, and psychoanalytic/psychodynamic. They will become able to critically examine different approaches to counseling and understanding of theoretical frameworks.

CO 2: They will understand the link between theory and practice and will be able to arrive at their own personal orientation to counseling.

CO 3: They will be able to demonstrate knowledge of the therapist 's role and the values by which the therapist conducts counseling.

CO 4: They will study the core premises of psychodynamic therapy such as transference, counter transference, resistance, and interpret.

Paper: Counseling Applications

CO 1:Learners will develop knowledge of the core theoretical areas, major models, and basic techniques of family counseling. Describe and demonstrate theories and methods of career counseling.

CO 2: They will understand the link between theory and practice and arrive at their own personal orientation to counseling. Students will understand the philosophical underpinnings of the major counseling areas like school counseling group counseling.

CO 3: They will be able to identify primary intervention techniques of the major counseling theories. Students will become familiar with counseling skills that are used across most forms of psychotherapy (e.g. self-disclosure; empathy; confrontation).

CO 4: They will be able to identify the differences among following ‘(i.e., non-directive) counselor responses. They will be able to identify the differences among leading ‘(i.e., probes) counselor responses.

Department of Fine Arts

Program Outcome

- It provides the students an opportunity to experience and explore their original and creating skills through various mediums and technologies.
- This program of two years develops professional skills in students based on research in various styles of painting along with shaping the overall personality of the student.
- This programme supports a student as an emerging artist who is eager to explore and confront their practice in the endeavor to redefine their position in relation to contemporary art.

Program Specific Outcome

PSO1: This subject helps to practice and research defines what Fine Arts is. This course will enable you to do your practice as an artist within a supportive, analytical and critical environment for fine arts study.

PSO2: This subject allows the student to gather knowledge and inspiration from history that eventually contributes to how they speak and view the world around us as a people. Additionally, this discipline will help students to gain very rich insight into various Indian cultures, traditions and transition in the socio economic role.

PSO3: This course will engage you in focusing on observation for your practice and exploring the nature which makes you open minded and deepening your thought process as a practical subject. Whether you are aiming to exhibit in galleries or work in public domain or teach in art school.

PSO4: Composition gives layout and structure to each art piece and also affects the way the

subject is perceived and understood. It leads the eye of the observer through the image and emphasis of art of composition together.

PSO5: While studying this paper students will get vast knowledge regarding the details of painting history of European art. They will learn European paintings were realistic and huge in size. The European introduced the new techniques of oil painting. This gave clarity and realistic touch to the paintings. The paintings of the European artists depicted the culture, the strength and the life of the people of Europe.

PSO6: This course engages the students with forefront of contemporary art, and modern movement of art of other countries seeks to contribute a dynamic voice of humanity within it. This will develop a questioning interest and a new look to your chosen field.

Course Outcome

Semester I

Paper I - Aesthetics and principles of Art Appreciation (theory)

CO1: This unit contains Meaning of Art, Aim of Art, and Function of Art which enhance the ability of student to make the adequate drawing.

CO2: In this unit students will learn Principles of art appreciation and other important notions of art.

CO3: This section contains the philosophical theories of different renowned philosophers like Plato, Aristotle, Kant, Hegel, and Croce which will enhance their aesthetic judgment of paintings.

CO4: Students will learn in this unit art and its relationship with Religion, society and Nature etc.

Paper II -History of Indian Art up to AD 1850 (theory)

CO1: In this unit students will learn Ancient art history like Pre historic period, Indus valley Civilization and Mauryan period.

CO2: In this unit Art history contains Shunga and Kushan period. This gives the immense knowledge of beautiful proportionate human figures in sculpture.

CO3: This unit contains Andhra and Gupta period of Indian Art history.

CO4: This unit contains the classical age of Indian Art and Early Indian Miniature which is the first phase of Indian painting. Students will learn the solidity and rhythmical line flow from these paintings.

Paper III - Landscape Painting (Practical)

CO1: Students have to study all the Elements and Principles of art while practicing with different mediums.

CO2: Students have to submit 5 finished Landscape and 30 sketches for their exhibition work.

Paper IV - Creative Composition (Practical)

CO1: Students have to learn different kind of forms like humans, animals and other figurative works with different kind of mediums.

CO2: 5 original composition works and 50 sketches would be exhibited.

Semester II

Paper I - Aesthetics and principles of Art Appreciation (theory)

CO1: Students will learn in this section Art and morality, Moral values and ethics, Moral character of a work in relationship to its artistic value. This section also includes Art and Nature.

CO2: This section contains Art and Society, Subjective and Objective approach of Art and Form and Content.

CO3: This section contains Fundamentals of Indian art as Vishnudharmottara Puranam and Six Limbs of Indian painting.

CO4: This section contains the nature of Kind and Meaning of Bhava, Abhinav Gupta's theory of Meaning of Art.

Paper II -History of Indian Art up to AD 1850 (theory)

CO1: This section contains Post Classical Sculptures of Pallava and Rashtrakuta dynasties. In which students can learn the rich Art history of India.

CO2: In this section students will learn different styles and mediums of sculptures of India like Badami and South Indian Bronzes.

CO3: This section contains Indian rich tradition of miniature painting like Mughal and Deccani painting from where students can learn beautiful draughtmanship of painting.

CO4: This last section again contains the total Indian style of miniature painting of Rajasthani and Pahari miniature paintings from where students can learn beautiful delineation of colors, line and composition.

Paper III - Landscape Painting (Practical)

CO1: Students have to study all the Elements and Principles of art while practicing with different mediums.

CO2: Students have to submit 5 finished Landscape and 30 sketches for their exhibition work.

Paper IV - Creative Composition (Practical)

CO1: Students have to learn different kind of forms like humans, animals and other figurative works with different kind of mediums.

CO2: 5 original composition works and 50 sketches would be exhibited.

Semester III

Paper I - History of European Art (Theory)

CO1: This section contains world's Pre historic Art and Egyptian Art which is known as 'Art of Dead'. Students can explore the knowledge of Art of International level.

CO2: This section contains Greek art which is famous for its perfect anatomical drawings of sculptures which is very helpful to students for their practical.

CO3: This section contains Roman and Gothic art.

CO4: In this section students will learn various painting techniques from the great masters of Early Renaissance.

Paper II - History of Modern Movement in Europe, India and USA (Theory)

CO1: This unit contains the changing era of painting like Impressionism and Post Impressionism. Students can learn lots of color theory and handling of different subject matter in this section.

CO2: This section contains topics like Fauvism and Expressionism. Both isms are good source of different techniques and styles.

CO3: In this section students will learn total abstraction in art. Cubism and Futurism were the leading isms of Modern movements.

CO4: In this section students will learn different indigenous style of techniques of colors, lines, impressions and expressions from Indian modern artists like Raja Ravi Verma, Bengal School and other modern contemporary artists.

Paper III – Life Drawing (Practical)

CO1: The life drawing or figure drawing process is designed to help students to learn to see living things in natural motion. Learn to convey movement through proportion and practice techniques like Foreshortening, understand proportion of the human form, and capture action with gesture drawing. Regular practice can enhance in students to observing proportion, rhythm, action, movement etc.

CO2: Students have to submit 2 Head Study and 3 Life drawings and 100 original sketches of full figure, heads, bust and facial expressions.

Paper IV - Creative Composition (Practical)

CO1: Students have to learn to engage themselves in the composition of colors, imagination and creative work. Students are to be emphasis on imagination and technical competence is expected.

CO2: 5 original composition works and 50 sketches would be exhibited.

Semester IV

Paper I - History of European Art (Theory)

CO1: In this section students will learn the changing trends in European art. This section contains great masters of High renaissance like Michelangelo, Leonardo, Raphael, Brugel and Durer.

CO2: This section contains chapters like Mannerism and Baroque. The great artists of these isms were masters of Realism which would help students for learning basics of realistic paintings.

CO3: This section contains Roccoco and Neo Classism. The artists of these isms created wonderful, charming painting.

CO4: This last section contains Romanticism and Realism. These isms were the last isms in the world of realistic art.

Paper II - History of Modern Movement in Europe, India and USA (Theory)

CO1: The first section of this paper contains Dadaism, surrealism and Supermatism. This would give the knowledge to students about the various techniques of abstract art.

CO2: This section contains Constructivism, Abstract expression, Kinetic art and Op art. Which are again master isms of abstraction.

CO3: This section contains Pop Art and Post Modern Art. These are related to the sculptural art.

CO4: In this section students will learn different indigenous style of techniques of colors, lines, impressions and expressions from Indian modern artists like Rabindernath Tagore, Progressive Artist Group and other modern contemporary artists.

Paper III – Life Drawing (Practical)

CO1: The life drawing or figure drawing process is designed to help students to learn to see living things in natural motion. Learn to convey movement through proportion and practice techniques like Foreshortening, understand proportion of the human form, and capture action with gesture drawing. Regular practice can enhance in students to observing proportion, rhythm, action, movement etc.

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Paper IV - Creative Composition (Practical)

CO1: Students have to learn to engage themselves in the composition of colors, imagination and creative work. Students are to be emphasis on imagination and technical competence is expected.

CO2: 5 original composition works and 50 sketches would be exhibited.

BA with (Fine Arts)

Programme Outcome

- Fine art has various forms that help to let out human emotions & skills. Widely appreciated through painting fine art skills are essential for a refined workforce.
- Fine arts can help students in bringing out creativity as well as developing an overall personality. Students, performing arts help them in fundamental thinking while improving their psychological as well as creative aptitudes.

Course Outcome

BA Semester I

Paper A (Theory)

CO1: This unit includes the basics of every art work i.e. Elements of Art with the other important studies which help students to understand the different aspects and cannons of art.

CO2: In this unit students will learn about the concept of Composition. They will also learn and understand about the Principles of Art to enhance their knowledge about using the Elements of Art in an art work.

CO3: In this unit students will cover the Classical age of Indian painting i.e. Ajanta cave paintings. They will learn about the specific style of art which is used in these caves. Students will also learn about the different paintings in different caves.

CO4: In this unit students will study the first paintings of India i.e. Pre Historic paintings and learn about the psychological impact of cave man. Students will also cover about the first urban civilization of India 'Indus Valley Civilization'. Study about the sculptures, pottery, coins and seals from this civilization.

Paper B Still life (practical)

CO1: Still life as a subject will make student an overall better at drawing. They are a great way to practice creating shapes and building three-dimensional forms through shading techniques of realistic lighting.

CO2: Students will get another benefit by drawing from direct observation; it will allow us to hone our skills to make us better at our craft.

Paper C Letter Writing (practical)

CO1: The basic purpose of Letter writing is to learn to write any script in a measured and systematic way.

CO2: Initially, at a basic level, we teach you to write every single letter of the particular script or style.

BA semester II

Paper A (Theory)

CO1: In this unit theory subject revolves around the history of ancient India. Students will learn about the great Mauryan Empire and their artistic achievements in art world.

CO2: In this unit students will learn about the living style of Buddhist monks. How they live in Vihara and Chaitya caves and how they work in those caves. Students will also learn about the Bahrut sculptures.

CO3: In this unit students will learn about the Sanchi and Amravati Stupas. They will get to know about the importance of Stupas in Buddhism.

CO4: In this unit Mathura and Gandhara art is described and students will understand their techniques and the unique style of sculpturing. They will also read about the different sculptures of that time.

Paper B Still life (practical)

CO1: Still Life subject will be the same in this semester to solidify the basics of drawing and coloring.

CO2: It will increase the understanding if coloring according to light and shade.

Paper C Poster making (practical)

CO1: Posters making can have quite a positive effect on the process of learning.

CO2: The best advantage of poster making is that it facilitates team work and understanding along with facilitating creative thinking and extensive research and reading.

BA semester III

Paper A (Theory)

CO1: In this unit students will learn about the sculpture art of Buddhism spread across the Indian sub-continent. They will learn about the Classical art of India i.e. Gupta Art, including the different centers of this school.

CO2: In this unit students will learn about the Post Classical sculptures of Indian art including Ellora and Elephanta cave art.

CO3: In this unit students will learn about the Ratha temple and Shor temple of Mahabalipuram. The architecture value and style of this site gives the impression of the great historical art.

CO4: In this section students will learn about the Chola Bronze art of South India. They will understand the different CIRE PERDUE method of metal casting used in South Indian sculptures.

Paper B Head Study (practical)

CO1: Painting portrait is intended to achieve a likeness of the sitter that is recognizable to those who have seen them, and ideally is a very good record of their appearance.

CO2: It help student with good perceptive vision to acquire the distinct skills for painting a good likeness.

Paper C Design 2D&3D (practical)

CO1: Design 2D&3D will help students to learn about the color combination and creative patterns related to one another. It will enhance their creative thinking and increase their compositional sense.

CO2: They learn to think and act as artists, makers and designers, working creatively and intelligently.

BA semester IV

Paper A (Theory)

CO1: In this unit students will learn about the first miniature paintings of India i.e. Eastern Indian miniatures and Western Indian miniatures also known as Pala and Jain miniatures.

CO2: In this unit students will learn about the Mughal miniatures. They will also learn about the border art and the specific subject matters of Mughal miniatures.

CO3: In this unit students will learn about the Rajasthani miniatures. They will learn about the gindu mythological paintings of this school. How they used the colors and forms to show the traditional Indian art.

CO4: In this unit students will learn about the Pahari style of miniatures. There folk style of miniature painting and their combined technique of Mughal and Indian art.

Paper B Landscape(practical)

CO1: Landscape painting, the depiction of natural scenery in art.

CO2: Landscape paintings shows the importance to capture mountains, valleys, bodies of water, fields, forests, and coasts and may or may not include man-made structures as well as people.

Paper C Head Study (practical)

CO1: The purpose of figure painting is one of the main functionalities of art, and that is communication of the human experiences.

CO2: It helps to understand the proportion of human body and learn the different postures and gestures of human body.

BA semester V

Paper A (Theory)

CO1: In this unit students will learn about the modern art in the Western world which starts with the Impressionism. Students will also learn about the great artists like Monet, Renoir and Degas.

CO2: In this unit students will learn about the Post Impressionism art movement, which helps students to understand about the changing trends in art world and emphasis on the prominent artists of this ism like Paul Cezzane, Van Gogh and Paul Gauguin.

CO3: In this unit students will learn about the Expressionism and Cubism styles which change the art scenario of modern art. Students will get to know about the importance of artistic power during the WW1.

CO4: In this unit students will learn about the Surrealistic style of art world and learn about the Salvador Dali, Max Ernst and Rene Magritte.

Paper B Landscape(practical)

CO1: Landscape painting repeats to understand it in detail and in different mediums.

CO2: Landscape paintings shows the importance to capture mountains, valleys, bodies of water, fields, forests, and coasts and may or may not include man-made structures as well as people.

Paper C Head Study (practical)

CO1: Figure drawing is also repeated to learn the more difficult postures.

CO2: It helps to understand the proportion of human body and learn the different postures and gestures of human body.

BA semester VI

Paper A (Theory)

CO1: In this unit students will learn about the Impact of Company School and their western techniques on Indian art. Their forceful changing trends of art. They will also learn about the value of Bengal School and the importance of this school in the revival of declining Indian art. Artists like Abhinendranath Tagore other helps to reestablish the indian art.

CO2: In this unit students will learn about the different styles, techniques, subject matters as well as different opinion about the art and society of contemporary artists like Amrita Shergill, Rabindranath Tagore, Jamini Roy.

CO3: In this unit students will learn about the styles and personalities of S. Sobha Singh, Satish Gujral, K.K. Hebber, Dhanraj Bhagat and M.F.Hussain.

CO4: In this unit students will learn about the different style of Kalighat painting which shows the impact of Britishers on the art of this site. They will also learn about the art of Tanjore paintings.

Paper B Landscape(practical)

CO1: Landscape painting repeats to understand it in detail and in different mediums.

CO2: Landscape paintings shows the importance to capture mountains, valleys, bodies of water, fields, forests, and coasts and may or may not include man-made structures as well as people.

Paper C Head Study (practical)

CO1: Figure drawing is also repeated to learn the more difficult postures.

CO2: It helps to understand the proportion of human body and learn the different postures and gestures of human body.

Department Of Political Science

B.A. with Political Science

Program Outcomes

- In depth understanding the basic principles of political science. Its approaches and basic concepts.
- Knowledge about the philosophical concepts of modern politics.
- Understanding the constitutional features, governmental institutions, electoral process and policies of India.
- Conveys the whole knowledge of Indian government and politics.
- knowledge of comparative political systems of the countries of the world, their constitutional structures and historical backgrounds.
- It enables the students to understand various issues of international relations and historical perspectives of world politics.

Program Specific Outcomes

PSO1:The students learn about the basic principles of political Science and develop the knowledge about theories and principles of the subject.

PSO2:Modern Political Theory includes the main concepts and theories of political science i.e. liberty, equality. This subject makes the students learn about the basic concepts of political theory.

PSO3:The students analyze the Indian Constitutional provisions, major legislations and reforms.

PSO4:The subject includes the study of Indian political system and party system. It gives the knowledge about emerging trends in Indian politics.

PSO5:This subject helps to develop the ability to make logical inferences about political issues on the basis of comparative analysis and comparative understanding of UK and USA.

PSO6:The study of international politics teaches the students about the theory and practice of international relations and the organizations which are working on international level.

Course Outcomes

Sem-1 Principles of Political Science

CO1 : Introducing the meaning and scope of political Science and its relationship with other social sciences.

CO2 : Assessing the concept of state with various theories of origin of the state as social contract, historical and Marxian.

CO3 : Critically analyzing the views of different school of thoughts regarding state.

CO4 : Analyzing the concept of sovereignty and its theories.

Sem-2 Modern political Theory

CO1 : Analyzing what is political system and explaining the political culture and political socialization.

CO2 : Understanding the meaning and concept of Power, Authority and legitimacy, their features and types.

CO3 : Assessing the basic concepts of rights and duties, liberty, equality and justice and their relationship with each other.

CO4 : Examining the concept of democracy and Analyzing the different theories of democracy such as liberal, Marxian and Elitist theory.

Sem-3 Indian Constitution

CO1 : Introducing the Indian constitution with a focus on the role of constitutional assembly and examining the essence of the preamble.

CO2 : Examining the fundamental rights and duties of Indian citizens with a study of the directive principles of state policy.

CO3 : Assessing the nature of Indian federalism with special focus on union state relationship.

CO4 : Critically analyzing the main institutions of Indian union: the executive (prime minister and council of ministers) ,the legislature (Lok sabha and Rajya Sabha), the judiciary (Supreme court and high court)

Sem-4 Indian political system

CO1 : Evaluating the party system in India and analyzing the main national and regional parties in India as Congress, BJP , CPI,CPI(M), SAD and DMK

CO2 : Understanding the role of election commission of India and evaluating the voting behaviour and political participation in the country

CO3 : Assessing the emerging trends in Indian politics with special emphasis on caste and regionalism.

CO4 : Examining the basic principles of Indian foreign policy and relevance of non-alignment movement.

Sem-5 Comparative politics: UK and USA

CO1 : Tracing the evolution of comparative politics as a discipline and investigating the nature and scope of comparative politics and comparative method.

CO2 : Analyzing the approaches and modals of comparison as system analysis, structural functional analysis.

CO3 : Conducting an intensive comparative study of the executive, legislature and judiciary of UK and USA.

CO4 : Critically analyzing the features of federal system with special reference to UK and USA.

Sem-6 International Politics: Theory and Practice

CO1 : Explaining the scope and subject matter of international politics as an autonomous academic discipline and study of realist and idealist approach to international relations.

CO2 : Analyzing the concept of national power and the policies of balance of power and Collective Security.

CO3 : Describing the cold war phases and post-cold war era with the concept of multi polarity and examining the issue of terrorism.

CO4 : Evaluating the working of Regional and International organizations: SAARC, EU and UNO in international relations.

Department Of Mathematics

B.A./B.Sc SEMESTER–I

Course Outcome

Paper–I: Algebra

CO1 The students will learn about Linear independence of row and column vectors. Row rank, Column rank of a matrix, Equivalence of column and row ranks, Nullity of matrix, Applications of matrices to a system of linear (both homogeneous and non-homogeneous) equations. Theorems on consistency of a system of linear equations will also be discussed in detail.

CO2 Eigen values, Eigen vectors, minimal and the characteristic equation of a matrix. Cayley Hamilton theorem and its use in finding inverse of a matrix. Quadratic Forms, quadratic form as a product of matrices. The set of quadratic forms over a field.

CO3 In this module Congruence of quadratic forms and matrices. Congruent transformations of matrices. Elementary congruent transformations. Congruent reduction of a symmetric matrix. Matrix Congruence of skew-symmetric matrices. Reduction in the real field. Classification of real quadratic forms in variables. Definite, semi-definite and indefinite real quadratic forms. Characteristic properties of definite, semi-definite and indefinite forms will be discussed .

CO4 Relations between the roots and coefficients of general polynomial equation in one variable. Transformation of equations and symmetric function of roots, Descarte's rule of signs, Newton's Method of divisors, Solution of cubic equations by Cardon method, Solution of biquadratic equations by Descarte's and Ferrari's Methods.

Paper–II: Calculus And Trigonometry

CO1 With this the students will understand the Real number system and its properties with least upper bounds and greatest upper bounds of sets of real numbers. Also they will find limit of a function using basic properties of limits. Continuous functions, classification of discontinuities and Uniform continuities are to be discussed.

CO2 In this module Differentiation of hyperbolic functions, Successive differentiation are to be solved. Leibnitz theorem, Taylor's and Maclaurin's theorem with various forms of remainders are to be done. Concept of Indeterminate forms is to be practiced.

CO3 Theorem of De–Moivre's will be derived with its applications. Circular and hyperbolic functions and their inverses are to be practiced.

CO4 Topic of exponential and logarithmic function of a complex numbers, expansion of trigonometric functions, Gregory's series and Summation of series are to be covered.

B.A./ B.Sc SEMESTER–II

Paper–I: Calculus And Differential Equations

CO1 Students will learn to find the asymptotes of given curve, tests the concavity and convexity and can find the points of inflexion and multiple points. They will also learn the concepts of curvature so that curves can be traced.

CO2 In this module integration of hyperbolic functions, various reduction formulae and definite integrals will be covered to find out quadrature and rectification of the curves.

CO3 Students will learn to solve exact differential equations, first order and higher degree equation solvable for x, y, p , Clairaut's form and singular solutions of the differential equations. They will also find the orthogonal trajectories of the curve.

CO4 Linear differential equations with constant and variable coefficients will be solved with basic rules as well as with variation of parameters method and Reduction method. Series solution of differential equations using Power series method, Bessel and Legendre equations will be discussed.

Paper II: Calculus

CO1 Students will learn limit and continuity of function of two variables, Partial differentiation, Change of variables, Partial derivatives and differentiability of real-valued functions of two variables will also be covered, Schwartz's and Young's theorem will be discussed. They will also learn about statements of inverse and implicit function theorem and its applications.

CO2 In this module Euler's theorem on homogeneous functions, Taylor's theorem for functions of will be covered. They will also learn about Jacobians, Envelopes, Evolutes, Maxima, Minima and saddle points of functions of two variables.

CO3 Students will learn about Lagrange's undetermined multiplier method. Double and Triple Integrals, Change of variables, Application to evaluation of areas, Volumes, Surfaces of solid of revolution, Change of order of integration in double integrals will be covered.

CO4 Application to evaluation of area, volume, surface of solids of revolutions will be covered.

B.A./B.Sc SEMESTER–III

Paper–I: Analysis

CO1:Sequence is of the basic topics in Arithmetic. A collection of elements in which repetitions of any sort is allowed is known as a sequence. In this unit we discuss the concept of sequence, limits of sequences its boundedness , monotony and Cauchy's convergence criterion.

CO2: Series is discussion of sum of sequence elements . For this purpose we discuss various tests like comparison tests, Cauchy's integral test, Ratio test, Cauchy's root test, Raabe's test, logarithmic test, De Morgan's and Bertrand's test, Kummer's test, Cauchy condensation test, Gauss test, Alternating series. Leibnitz's test to check the convergence of serie .

CO3 Students will learn about Partitions, Upper and lower sums. Upper and lower integrals, Riemann integrability. Conditions of existence of Riemann integrability of continuous functions and of monotone functions. Algebra of integrable functions.

CO4 In this module Improper integrals and statements of their conditions of existence. Test of the convergence of improper integral, Beta and Gamma functions will be covered.

Paper–II: Analytical Geometry

CO1 The students will learn about the transformation of axes, shifting of origin, Rotation of axes in two dimension and three dimension, They will further learn about invariants, Joint equation of pair of straight lines, equations of bisector

CO2 In this module they will learn Parabola and its properties. Tangents and normal, Pole and polar, pair of tangents at a point, Chord of contact, equation of the chord in terms of mid point and diameter of conic.

CO3 They will further learn about ellipse and hyperbola with their properties. Tangents and normal, Pole and polar. pair of tangents at a point, Chord of contact, Identifications of curves represented by second degree equation(including pair of lines).

CO4 Further Intersection of three planes, condition for three planes to intersect in a point or along a line or to form a prism, Sphere: Section of a sphere by a plane, spheres of a given circle will be discussed. Also Intersection of a line and a sphere, Tangent line, tangent plane, power of a point w.r.t. a sphere, radical planes will be discussed.

B.A./B.Sc SEMESTER–IV

Paper–I: Statics And Vector Calculus

CO1: In this module student will learn about Composition and resolution of forces, parallel forces, moments and couples. These topics includes their resultants, equilibrium of two coplanar couples and resultant of a force and a couple. Also we discussed about equilibrium of forces.

CO2: In this module Friction and its laws, equilibrium of a particle on a rough plane will be discussed .Also student will learn about Centre of gravity of a rod, triangular lamina, solid hemisphere, hollow hemisphere, solid cone and hollow cone.

CO3: Student will learn about Vector differentiation and integration by using gradient, divergence and curl operators. Also line integrals and properties of Vector identities will be discussed.

CO4: Vectors related theorems like Gauss, Green, Stokes and problems based on these will be discussed.

Paper- II: Solid Geometry

CO1 Students will learn about Cylinder as surface generated by a line moving parallel to a fixed line and through fixed curve. Students will also learn about different kinds of cylinders such as right circular, elliptic, hyperbolic and parabolic in standard forms.

CO2 In this module cone with a vertex at the origin as the graph of homogeneous equation of second degree in x, y, z . Cone as a surface generated by a line passing through a fixed curve and fixed point outside the plane of the curve will be covered. They will also learn about right circular and elliptic cones.

CO3 Equation of surface of revolution obtained by rotating the curve about the z -axis in the form of. Equation of ellipsoid, hyperboloid and paraboloid in standard forms will be discussed.

CO4 Surfaces represented by general equation of 2nd degree $S = 0$. Tangent lines, tangent planes and Normal plane will be taught for sharpening the concept of students.

B.A./B.Sc SEMESTER–V

Paper I: Dynamics

CO1 Students will learn to find the rectilinear motion in a straight line with uniform acceleration., applications of Newton's laws of motion. Problems and derivations related with motion of two particles connected by a string .

CO2 In this module motion along a smooth inclined plane, variable acceleration and simple harmonic motion are to be covered.

CO3 In this module curvilinear motion of particle in a plane, various concepts of projectiles, Oscillations , Free Vibrations, Simple Pendulum, Conical Pendulum are to be done.

CO4 In this module Concepts of Work, Power and Energy like Kinetic and Potential energy, Conservative forces, conservation of energy and Work done against gravity to be discussed with derivations and applications .

Paper–II: Number Theory

CO1 In this module the students will learn about The division algorithm, The greatest common divisor, least common multiple, The Euclidean algorithm, The Diophantine equation $ax + by = c$ Prime numbers and their distribution. The fundamental theorem of arithmetic

CO2 Student will learn to solve Number-theoretic functions: the greatest integer function, Euler's Phi-function, Sum & number of divisors functions, Mobius function & the Inversion formula.

CO3 This module is helpful in finding Congruences-definition and properties, linear congruences , existence & solution of the linear congruence $ax \equiv b \pmod{m}$, Complete and reduces residue systems, Chinese remainder theorem.

CO4 In this module the students will learn about Fermat's theorem, Euler's theorem, Pseudoprimes Wilson's theorem. Application to Cryptography- Factorization methods due to Fermat, RSA.

SEMESTER VI

Paper- I: Linear Algebra

CO1 In this module students will learn about definition of groups, rings and fields with examples. Definition of a vector space, subspaces with examples. Direct sum of subspaces. Linear span, Linear dependence, Linear independence of vectors. Linear combination of vectors will be discussed.

CO2 They will also learn about basis of a vector space, Finitely generated vector spaces. Existence theorem for basis. Invariance of the number of elements of the basis set. Dimension of sum of two subspaces. Quotient space and its dimension will also be taught.

CO3 In this module students will learn about Understanding the concept of linear transformation. Algebra of linear transformation. Rank- Nullity theorem, Isomorphism and Isomorphic spaces

CO4 They will also learn about Matrix of a linear transformation. Changes of basis, Linear operator will be covered.

Paper–II: Numerical Analysis

CO1 In this the students will learn the topics of error generation, propagation, error estimation and error bounds. Non-linear equations will be solved using the Bisection method, Iteration method, Newton's Method, Generalized Newton's Method, Method of false position, Muller's method with the rate of convergence of these methods. Linear system of equation will be solved using direct method, Gauss elimination, Gauss Jordan and Crout reduction, Triangular Method, Iterative Method, Jacobi's Method, Gauss Seidel Method.

CO2 Students will have the knowledge of finite differences: Forward, Backward, Central, Divided differences, shift operator, relationship between the operators and problems of detection of errors by use of difference operator.

CO3 In order to interpolate a value the methods of divided difference, Newton's formula, Lagrangian Method, Finite difference interpolation, Gauss formula, Stirling formula, Bessel's formula will be used with error estimation and extrapolation. Also numerical differentiation will be done with the method based on interpolation. Numerical Integration with Trapezoidal rule, Simpson's rule, Weddle rule, Romberg Integration.

CO4 Students will have the knowledge of Gaussian integration method, Gaussian legendre integration and double numerical integration are to be practiced. Students will learn to find numerical solution of ordinary differential equations of initial value problem with Taylor's method, Euler's methods, Picard's method, Milne's Method, Runge-Kutta Method and Predictor- Corrector's Methods .

B.Sc(Eco) SEMESTER–I

Quantitative Techniques-I

CO1: Students will learn to solve Linear Equations and Quadratic Equations upto two variable. Also they will learn about Arithmetic Progression Series, Geometric Progression Series and their applications in economics.

CO2: In this module three topics - Analytical Geometry ,Concepts of combination and permutation and set theory will be discussed . These topics includes concept of Straight line, union, intersection, difference, symmetric difference, complementation, Venn diagrams of sets. Also their economic application will be discussed.

CO3: The main topics to be studied in this module are real functions of a variable, Difference between a constant and a variable, classifications of functions, graph of linear and quadratic functions, Concept of differentiation (ab-intio principle). To achieve the objectives of this module students will understand the concepts of limit, continuity and its economic applications.

CO4 : Students will learn rules of derivatives; functions of functions rule; derivatives of implicit functions, parametric functions, exponential functions, logarithmic functions and its application in Economics.

B.Sc (Eco.) SEMESTER–II

QUANTITATIVE TECHNIQUES-II

CO1: Students will learn about the scope of statistics in economics and its limitations. The statistical methods are used in different fields such as economics, commerce, industry, trade, agriculture etc. For the representation of data some methods like tabulation, classification and geometrical representation (Pie Chart, Bar Digramm, Ogive Curveetc.) will be discussed.

CO2: In this module concepts and measures of central tendency in case of individual and grouped data will be discussed. Some more topics like measures of relative dispersion , skewness and kurtosis will be discussed.

CO3: This unit introduce correlation analysis by using Karl-Pearson's and Spearman's Rank correlation coefficient and Regrassion Analysis. Also we discuss their importance, difference and inter-relationship between correlation and regression.

CO4: Students wil learn the concept of Index Numbers and tests of consistency with Laspeyre, Paache and Fisher's formulae. Also the topic Time series and its components, measurement of Trend by different methods will be discussed.

Bachelor Of Vocation (B.Voc.) Data Science

Semester – I

Paper–I:Descriptive Statistics

CO1 Students wil learn about Definition, Scope, Significance, Limitations. Tabulation, Classification and Graphical representation of data (Pie Chart, Bar Diagram, Histogram, Frequency Polygon, Ogive Curve, etc.).

CO2 The main topics to be studied in this module are Measures of Central Tendency – Arithmetic Mean, Median and Mode, Position of averages. Graphical representation of data, Measures of dispersion – range, variance, mean deviation, standard deviation and coeff. of variation, Concepts and Measures of Skewness and Kurtosis.

CO3 Students wil learn the concept of Mathematical and Statistical probability, Elementary events, Sample space, Compound events, Types of events, Mutually exclusive, Independent events, addition law of probability, Conditional probability, Multiplication theorem of probability, Baye's Theorem.

CO4 : In this module Concept of Random Variable, Probability Mass Function & Density Function, Mathematical Expectation (meaning and properties), Moments, Moment Generating Function and Characteristic Function.

SEMESTER – II

Paper–II: Basic Mathematics

CO1 The main topics to be studied in this module are Solution of Simultaneous Linear Equations (upto two variable case), Solution of Quadratic Equations. Series: Arithmetic Progression Series, Geometric Progression Series

CO2 In this module Concept of Permutations and Combinations, Binomial Theorem, Determinants with simple applications for solution of Linear simultaneous equations using Cramer's Rule, Matrices with simple application for solution of linear simultaneous equations using matrix inversion method will be discussed.

CO3 Students will learn the concept of Real number systems, constants and variables, functions. Graphical representations of functions, limits and continuity of functions, first principle of differential calculus, derivations of simple algebraic functions and application of derivatives in Economic and Commerce. Maximum and minimum.

CO4 Students will learn the concept of General form of linear Programming, formulating Linear Programming Problems assumptions, Graphic Method , The Standard Maximum and Minimum Problems ,Simplex Method, Duality, Dual Linear Programming Problems

SEMESTER – III

Paper – I: Optimization

CO1 The main topics to be studied in this module are Meaning, significance, limitation and scope. Introduction to linear programming, formation of Linear Programming Problem, Graphical method Simplex Method.

CO2 Students will learn the concept of Two Phase Simplex Method, Duality in Linear Programming, Definition of Dual Problem, general rules of converting primal into its dual.

CO3 In this module Concept of Transportation Problem, Definition of Assignment Model, Hungarian Method for solution of Assignment Problems, Travelling Salesman Problem will be discussed.

CO4 Students will learn the concept of Games Theory: Two persons zero sum games, pure strategies, mixed strategies

B.VOC (Data Science)-III Year

Paper: Statistical Inference -I

CO1: The students will be able to learn Cumulative distribution function, Two dimensional random variables, joint distribution, marginal and conditional distributions, Stochastic independence, Introduction to function of random variables.

CO2: The students will gain knowledge regarding the concepts of Mathematical expectations and moments, moment generating function and its properties Chebyshev's inequality and its application, central limit theorem (Laplace Theorem)

CO3: The students will study Discrete Probability Distributions: Binomial, Poisson, Geometric, and Continuous probability distributions: Uniform, exponential, Gamma, Beta, Normal distributions. This will give an insight of the properties of the above distributions.

CO4: The students will learn regarding Sampling Distributions: Chi-square, t and F-distributions with their properties, distribution of sample mean and variance. Introduction to Estimators, Types of Estimators.

B.VOC (Data Science)-IV Year

Paper-I: Basics of Linear Algebra & Numerical Analysis

CO1 The main topics to be studied in this module are Definition of groups, rings and fields with examples. Definition of a vector space, subspaces with examples. Linear dependence, Linear independence of vectors. Linear combination of vectors

CO2 Students will learn the concept of Solution of non-linear equations, Bisection Method, Method of false position, Secant Method, Newton's Method. Solution of linear system of equation; Gauss elimination Method, Gauss Jordan Method, Gauss Seidel Method.

CO3 In this module Concept of Numerical Differentiation, Numerical Integration: Trapezoidal rule, Simpson's $1/3$ rule, Simpson's $3/8$ rule

CO4 Students will learn the concept of Interpolation: Lagrangian Interpolation, Newton's Methods: Forward Difference Method, Backward Difference Method, Divided Difference Method Curve Fitting: Method of Least Square, Fitting of Straight Line, Fitting of a Polynomial

Statistical Inference -II

CO1: The students will able to learn basics of Estimators: Properties of unbiasedness, consistency, sufficiency, efficiency, completeness, uniqueness (Without Proofs)

CO2: The students will gain knowledge regarding the concepts of Applications of Sampling Distributions: Test of mean and variance in the normal distribution, Tests of single proportion and equality of two proportions, Chi-square test, t-test, F-test.

CO3: The students will learn the concepts of Statistical Hypothesis: Null hypothesis, Alternate hypothesis, Level of Significance, simple and composite hypothesis Steps in solving Testing of hypothesis problem, Neyman Pearson Lemma.

CO4: The students will able to do ANOVA (Analysis of variance)- One way Analysis of variance, Two way Analysis of variance.

B.Voc. Health Care and Hospital Administration

Semester-II

Paper-IV: Descriptive Statistics (Theory)

CO1 The main topics to be studied in this module are Research Methodology, Qualitative and quantitative observations, Measures of Central Tendency – Arithmetic Mean, Median and Mode, Position of averages. Graphical representation of data, Measures of dispersion – range, variance, mean deviation, standard deviation and coeff. of variation, Frequency distribution

CO2 Students will learn the concept of Introduction, Importance, Karl-Pearson's Coefficient of Correlation, Spearman's Rank Correlation Coefficient

CO3 In this module Concept of Sampling: Various concepts – Population, Sampling Units, Complete Enumeration sample Surveys, Concept of an Estimator and The Standard Error, Standard Error of Estimates. Features of a Good Sample, Random and Subjective Sampling, Simple Random Sampling, Stratified Random Sampling.

CO4 Students will learn the concept of Descriptive statistics, Comparison of means, T – tests, Analysis of Variance.

BPT-III Year

Research Methodology and Biostatistics

CO1: The students will learn regarding the Importance of research in clinical practice, scientific approach, characteristics, purposes and limitations. They will be getting familiar with the Ethical issues in research and the elements of informed consent.

CO2: The students will get to study the Structure of a research proposal. They will study how to frame the research question including literature review for the proposal. The basics of Measurement: Principles of measurement, reliability, validity, experimental sampling and design, Descriptive research will be studied by them.

CO3: The students will gain the knowledge regarding the basics of Qualitative and quantitative observations and Graphical representation of data and Frequency distribution. The students will be able to find the Measures of Central Tendency – Arithmetic Mean, Median and Mode, Position of averages. Measures of dispersion – range, variance, mean deviation, standard deviation and coeff. Of variation.

CO4: The students will learn regarding Comparison of means, T – tests, Analysis of Variance and will be able to find the Correlations between variables.

Department Of Commerce

B.COM. (I-VI)

Program Outcomes

- The course acquaints the students with theoretical as well as practical aspects of GST, Income Tax and the assessment of various incomes.
- Also, it imparts updated knowledge regarding the managerial & organisational skills along with the use of different models.
- The course teaches the various aspects of laws like Business laws, Industrial Laws, Corporate Laws & Commercial Laws.
- The students also gain industrial & banking exposure by regular visits so as to get in house training.
- The students are well versed with the workshops and the specializations of different subjects.

Semester I

Program Specific Outcomes

PSO 1: The students will be equipped with the skills to prepare final accounts for sole proprietor, joint venture and consignments. Also, the students will learn the preparation and maintenance of department accounts and branch accounts as a part of their financial accounting curriculum.

PSO 2: Business organization as a subject includes learning about various forms of organization, social responsibility of a business along with working of stock exchanges and trade associations in India. In addition to this, location aspects of business are also studied.

PSO 3: Communication plays a vital role in all the proceedings of an organization. Business communication acquaints the students with the purpose, process and barriers of communication. In addition to this, organizational communication is studied in detail where in internal

correspondence as well as business etiquettes are taught to the students. Also secretarial correspondence with emphasis on preparation of resume and job application is studied.

PSO4:Advanced Accountancy: The subject will provide the knowledge of various accounting concepts, accounting methods, procedures and techniques. It will acquaint students with practical approach to accounts by learning various accounts. The subject will give thorough knowledge on the accounting practice prevailing in partnership firms and other related aspects.

PSO5 : Functional Management: The subject will provide an understanding of the concept & functions and importance of management and its application in business. The students will have better understanding of various principles, functions and different management theories. They will know about how one can become a good leader and how to motivate followers effectively.

PSO6 :Commercial Laws: The subject will provide an in-depth understanding of various aspects of Commercial laws, Contracts of Indemnity, Guarantee, Bailment and pledge.

Course Outcomes

Semester I

Financial Accounting

C01 Students are taught basics of business communication along with basic models, forms and conditions for successful business communication. Meaning and types of organizational communication is also covered.

C02 Principles of oral presentation and factors affecting the same are also covered. Students are made aware of cross cultural etiquette and business to business etiquette.

C03 Various modes of internal correspondence i.e. memos, circulars, modes of correspondence with banks and customers are taught in class.

CO4 Secretarial correspondence with shareholders, debenture holders and communicating with statutory authorities like stock exchange, RBI, SEBI etc. is covered.

Business Communication

C01 Students are taught basics of business communication along with basic models, forms and conditions for successful business communication. Meaning and types of organizational communication is also covered.

C02 Principles of oral presentation and factors affecting the same are also covered. Students are made aware of cross cultural etiquette and business to business etiquette.

C03 Various modes of internal correspondence i.e. memos, circulars, modes of correspondence with banks and customers are taught in class.

C04 Secretarial correspondence with shareholders, debenture holders and communicating with statutory authorities like stock exchange, RBI, SEBI etc. is covered.

Business Organization

CO1: Business Organization explains the concept of business and profession, Social Responsibilities of Business, Business Ethics.

CO2: Provides a basis of understanding to the students regarding various Forms of Business organization.

CO3: Students will learn about Location and size of industry, Industrial estates, District Industries Centers.

CO4: Students will get acquainted with the concepts of Stock Exchange, Business Combination, Trade association, Chamber of commerce

Semester II

Advance Financial Accounting

CO1: To impart the knowledge of various methods of depreciation and its practical implications. To give conceptual framework relating to reserves and provisions

CO2: To understand the relevance of Hire –purchase system and its differentiation with installment system. To impart basic knowledge about single entry system and its difference with double entry system

CO3: To instill the knowledge about basics of partnership Act. To acquaint with practical approach concerning admission and retirement of partners, highlight the accounting treatment of goodwill, Joint life policy.

CO4: To Provides the content relating to modes of dissolution of firm and Accounting treatment relating to dissolution including Insolvency of firm, All partner except one (By applying Garner vs Murray rule)

Functional Management

CO1: Students are made familiar with the concepts of functional management, its nature and scope, principles, social responsibilities and ethics.

CO2: Knowledge about functions of Personnel management which includes recruitment, selection, training, job evaluation and worker's participation in management.

CO3: Understanding the concept and significance of marketing management through various techniques of marketing and marketing research

CO4: Highlighting the strategic management process, functions of production management and concept of quality control

Commercial Law

CO1: Course is designed to expose the student to the Indian Legal System and its effect on business activities. Upon successful completion of Commercial Law unit I the student will be able to demonstrate an understanding of the Legal Environment of Business, apply basic legal knowledge to business transactions and communicate effectively using standard business and legal terminology.

CO2: Upon successful completion of unit II students will demonstrate knowledge of the concepts relating to special types of contracts like Bailment, Indemnity and Agency. Upon successful completion the student will be able to demonstrate an understanding of Case Study Analysis and develop legal reasoning.

CO3:Analyze the nature and terminology of Sales of Goods Act. Demonstrate recognition of transactions involving the Sales of Goods. Identify contract remedies

CO4: Understand basic terms, values and laws in the area of Limited liability partnership. Equipped with methods of applying principles and provisions of Consumer Protection Act. Demonstrate knowledge of basic consumer court procedures. Be able to compose simple contracts and assess the correctness of applying specific laws to a specific cases and choosing the most appropriate one

Semester III

Corporate Accounting

CO1: Students are taught basics of share capital and accounting for limited liability companies with the practical implications.

CO2: Students will get acquainted with the concepts of mergers, amalgamation and acquisition as well as accounting for internal reconstructions.

CO3: Provides a basis of understanding to the students regarding legal aspects of banking companies with the provisions of NPAs along with its accounting framework

CO4: Students are taught basics of Final accounts of Insurance companies including accounting procedures for life as well as general insurance business.

Company Law

CO1: The students are educated about the characteristics of a company along with its kinds, concept of corporate veil and the procedural as well as documentary requirements for formation of a company. The students also learn about doctrine of Constructive Notice and Indoor Management, Prospectus and Book Building.

CO2: The students are given insights about the issue, allotment and forfeiture of share; demat of share, transmission of shares, buyback. Also, rights and duties of shareholders along with shareholders meetings, kinds, convening and conduct of meetings are studied.

CO3: The students are taught about the management of the company which includes classification of directors, dis-qualifications, appointment, legal position, powers and duties, disclosures of interest, removal of directors. Also, the concept and modes of winding up is also taught.

CO4: The students learn about various Emerging Issues in Company Law like One Person Company, Small Company, Postal Ballot, Small Shareholders on Board, Online Registration of Company, National Company Law Tribunal, Limited Liability Partnership, Insider Trading, Rating Agencies, Producer Company.

Financial Management

CO1: The students are taught about the various concepts of Time Value of Money, Sources of Finance and Cost of Capital

CO2: The students are provided with the knowledge about Leverage and Capital Structure decisions including capital structure theories

CO3: The students are acquainted with various concepts of Working Capital, Management of Working Capital, Issues in Working Capital and Bank financing

CO4: The students are provided with the detailed knowledge of Capital Expenditure Decisions and Dividend policy decision

International Business

CO1 Students study about impact of globalization on Indian economy and relevance of having knowledge about various aspects of international business environment before thinking to globalize.

CO2 Students learn about the recent trends in India's foreign trade various tariff and non-tariff barriers and get an overview about working of various international organizations like IMF, World Bank, UNCTAD and WTO.

CO3 The course also makes students familiar with the importance of various regional groups like BRICS, SAARC and provide them knowledge about various risks in foreign exchange market and how to deal with them.

CO4 Last part of syllabus provides insights about various initiatives taken by GOI to attract foreign investment in India and measures taken to promote foreign trade in India like SEZ, EOU.

Banking and Financial Services (HONS):

CO1: The student will be able to understand the fundamental concepts of financial economics, and financial system along with the role of banking and financial system for the development of economy.

CO2: The course will cover concepts like KYC, Anti money laundering, duties and responsibilities of paying and collecting banker

CO3: Students are taught about various loan products offered by bank along with the principles of lending and documentation procedure for various types of loans.

CO4: Topics like priority sector lending, credit cards, consumer loans, housing finance are also covered.

Semester IV

Goods and Services Tax

CO1: Students are taught the overview of GST along with its implementation and various types.

CO2: Teachings about the procedure of applying for registration and the different concepts of supply.

CO3: The Calculation of tax liability, methods of paying taxes and the basics of ITC were taught.

CO4: Practical aspects of filing of returns and the GST Portal.

Industrial Laws

CO1 :Students will learn about salient features of Labor Health, Welfare and Safety, Annual leave with wages etc. provided under Factories Act, 1948. Trade Unions, their Registration, Rights and privileges available to registered Trade Unions will be discussed under Trade Union Act, 1926

CO2 :This section will focus on Industrial Disputes, Law relating to resolving industrial disputes, Strikes & Lockouts, Layoff & Retrenchment in Industrial establishments as provided under Industrial Disputes Act, 1947.

CO3 :This section will give an insight in to an important piece of Social Security Legislation-ESI Act, 1948, available to workers in case of their sickness, medical treatment & disablement etc. ESIC & its role will be explained.

CO4 :This part will contain the rights of workmen to receive compensation under Workmen compensation Act, 1923

Principles and Practices of Banking and Insurance

CO1: Students will be educated about commercial banking, its types, functions and organizational structure. They will also be made aware about the various reforms and their impact on the organizational structure of banks with SBI as model.

CO2: The course will cover management of deposits, loans and advances in commercial banks along with the role, objectives and functions of RBI and its monetary policy since 1951.

CO3: E banking, Internet banking, concept and importance of financial inclusion along with fundamental principles and relevance of insurance are taught.

CO4: Students will be taught about the nature and uses of Life Insurance, features of IRDA Act and some policies of Life insurance and General Insurance.

Cost Accounting

CO1: Students are taught nature and scope of cost accounting. Two elements of cost accounting: - materials and labor are taught to students.

CO2: Third and last element of cost i.e. overhead is taught to the students along with reconciliation of cost and financial accounts and activity based costing.

CO3: Job, batch and contract costing is taught to students. Students will also learn process costing and equivalent production.

CO4: Different methods of cost control such as marginal costing, standard costing and budgetary control will be covered.

ELECTRONIC BANKING AND RISK MANAGEMENT (HONS.)

CO1: This subject explains students about various concept like core banking, CTS, SWIFT system, NEFT, RTGS etc.

CO2: The students will be able to understand about various types of services provided by banks under online banking system.

CO3: Students are taught about risk and various types risks being faced by banks along with how a bank can manage these types of risks.

CO4: Students are taught about different measures of risk along with the process and techniques of risk management especially ALM

Semester V

Management Accounting

CO1: Management Accounting explains the concept of management accounting, the relationship between cost accounting-financial accounting and managerial accounting , importance of management accounting for businesses, Recent Trends in Management Reporting, Analyze data from financial statements, Ratio Analysis.

CO2: Provides a basis of understanding to the students with reference to Fund Flow Statement and Cash Flow Statement.

CO3: Discuss the process of managerial decision-making and the factors involved.

CO4: Students will get acquainted with the study of Responsibility Accounting, Activity Based Costing and Transfer Pricing.

Direct Tax Laws

CO1: The students will be able to understand the basic concepts of tax like Income, Person, Assessee, Previous Year, Assessment Year, Exempted incomes under section 10, Rebate, relief and agricultural income.

CO2: The course will cover the determination of Residential status and its impact on the scope of total taxable income of persons.

CO3: Students are taught to calculate the taxable income under different heads of income i.e. Salaries, House Property, PGBP, Capital Gain and Other Sources.

CO4: Concepts of Clubbing of income, Set off and carry forward of losses and deductions under section 80C to 80U from Gross Total Income.

Auditing

CO1: The students are taught about the Basic Principles, Auditing and assurance Standard, Auditor's qualifications.

CO2: The knowledge of Control measures like Internal Check, Internal Control and Internal Audit is given along with the fundamental principles.

CO3: Under this the Audit Procedure is taught including the Vouching of Cash Book, Trading transactions, Verification & Valuation of Assets & Liabilities.

CO4: The basics of Audit of Limited Companies, Qualifications, Appointment, Removal, Remuneration, Rights, Duties & Liabilities and Audit Committee & Auditors report are made familiar to the students.

Contemporary Accounting

CO1: The students will learn the emerging contemporary issues in accounting. Various methods of human resources accounting and price level accounting will also be covered.

CO2: Different approaches of corporate social reporting will also be covered.

CO3: Students will learn recent trends in presentation of published accounts and reporting by diversified companies along with value added reporting. Basel ii and Basel III Norms will also be covered.

CO4: The significance and formulation of accounting standards relating to interim reporting, accounting for leases and accounting for intangibles will be taught to students.

Banking Service Management

CO1: Under this part, the Monetary and economic implications of Banking Operations are covered.

CO2: Deposits, Withdrawals & Lending, Ways to improve the Services, Different types of Loans and advances, Industrial advances, Small Borrowers and Agricultural Financing advances are taught to the students.

CO3: The Students are enlightened about the Banking Regulations Act 1949, RBI Act 1934, Negotiable Instrument Act 1881, Endorsement, Crossing, Collection of Cheques, Promissory Notes.

CO4: Also, the Recent trends in Banking like Internet banking, Phone Banking, Mobile Banking, ATM's, Debit and credit card, Basel Norms, Globalised Challenges in Banking and New Trends in Banking Services are taught.

Financial Market Operations

CO1 The students gain insights about the structure and composition of Indian money market and its reforms.

CO2: They will also gain an understanding about working of stock exchanges and various functionaries on it including brokers, sub brokers, market makers and jobbers.

CO3: Students will learn about the functions and powers of SEBI and its guidelines to ensure protection of interests of investors.

CO4: They will have better understanding of Development Institutions and Banks like ICICI,IFCI,NABARD. Students will come to learn about dematerialisation of securities as per Depository Act 1996.

Insurance Services Management

CO1: The students will be able to understand insurance organization and management which will cover organization forms in life and health insurance, office administration including insurance documentation, publicity, proposal forms, premium receipts, endorsements and renewals.

CO2: Role of insurance intermediaries in emerging markets will be taught which will include agency regulation, prerequisites, training procedures for becoming an agent, functions of an agent will be taught.

CO3: The course will cover computation of premium and bonuses, claims, annuities, pensions and claim processing and settlement.

CO4: Role of surveyors, opportunity to appeal, considerations in deriving gross premiums, premium rate structure, surplus and its distribution will be taught along with Annual claim costs, premium rate variables, need for underwriting, principles in underwriting and features of insurability.

Computer Based Accounting

CO1: The students will be able to understand interdependence of business and computers, accounting as an information system along with role of computers in accounting.

CO2: The students are educated about the tally accounting software wherein its usage for single as well as multi-users is studied.

Accounting For Bankers (Hons)

CO1: the students are familiarized with basic accounting procedures, concepts and conventions along with the preparation of key financial statements of banks.

CO2: The students will be able to understand interest rate calculation, rules for bank accounts, relationship between banks and customers.

CO3: the students are taught about requirements of banking company regarding accounts and audit.

CO4: the students are taught about the key concepts of computerized accounting, its importance in the banks along with bank reconciliation statements.

Semester VI

Corporate Governance

CO1: Students are provided knowledge about business ethics, corporate code of ethics, principles of business ethics and stakeholder protection.

CO2: Concept of corporate governance, insider trading, regulatory framework in India is taught in detail.

CO3: Students are acquainted with causes and impact of major corporate scandals worldwide.

CO4: A thorough understanding of Codes of corporate governance applicable worldwide is provided. International codes and standards on corporate governance viz Cadbury Committee (UK) Report, 1992, Hampel Committee (UK) Report, 1997, Sarbanes Oxley Act, 2002 (USA), Smith Report, 2003, UK are taught in detail.

Operations Research

CO1: The course acquaints the students to understand the concept of operations research and its various implications in business further gives the knowledge of the practical aspects of linear programming problems.

CO2: It provides the knowledge about the techniques of transportation problems and assignment problems

CO3 : It focuses on Inventory management by understanding the various types of inventories and levels of inventories and the techniques of game theory.

CO4:It provides the ample amount of knowledge about Basic concepts of Network Models, Preparation of the Network diagram, project duration and critical path, probability of Project completion.

Portfolio Management

CO1: This part will be focused on Portfolio theory, Portfolio selection & Portfolio revision. Students will learn about Portfolio Risk & Return, Optimal Portfolio, Diversification and Portfolio risk.

CO2: A detailed discussion of investment constraints, investor preferences, Efficient Frontier & Portfolio selection will be done. Techniques of Portfolio Revision will be studied

CO3 : In this section students will learn about Investment management, its process, various Investment alternatives, Approaches to Investment.

CO4: The next part will deal with Economic & Industry analysis.

Financial Services

CO1: The students learn about nature of financial services and their contributions in promoting industry. They also learn about the different kinds of mutual funds and their working in India.

CO2: The students are acquainted with the concept of merchant banking and also learn about its origin, growth and merchant banking practices prevalent in India.

CO3: The students are given insights about the key financial services like lease financing and factoring with detailed study of their varied aspects and types.

CO4: The students are educated about the various retail banking services provided by banking institutions along with the concept of venture capital fund and its growth.

Foreign Exchange Management

CO1: It explains the determination and forecasting of exchange rate.

CO2: Financial fragility and instruments to cover financial risk are discussed.

CO3: The various products of swap market are introduced. Measurement and management of exchange rate risk is discussed.

CO4: Various strategies for managing exchange rate risk including derivative instruments are discussed.

Risk Management and Insurance

CO1: Understanding the concept of risk, risk management process and techniques is provided to the students.

CO2: Knowledge about commercial risk management application and personal risk management application is also imparted.

CO3: Education regarding retirement planning, financial and estate planning is given in this part.

CO4: Students are provided with an understanding of the risk management environment in India that includes Government regulation, insurance scenario and foreign insurers

E-Marketing

CO1: Students were enlightened about the concept, nature and various considerations of E-Marketing. The various strategies and techniques along with the applications of 5P's.

CO2: The teachings of marketing productivity, the marketing in internet age, customer behavior in marketing environment and its various implications.

BANK MARKETING (HONS)

CO1: The students are taught about basics of marketing, its concepts, and 7ps of marketing along with its implication in respect to banks.

CO2: the students are familiarized with market segmentation, marketing research in banking, and competitive analysis in banking.

CO3: this course covers various types of banks products, difference between products and services, various traditional and modern delivery channels used by banks to deliver various services to customer.

CO4: The students are taught about communication and its process, corporate clients, bank organization for large corporate clients.

Workshop

Income Tax & E-filing

CO 1-Students will be educated about applying for PAN, Advance Tax Computation and E-Filing ITR for Salaried Individuals. E-Filing ITR for Small Proprietorship Business, Deductions and E-Filing ITR for Partnership Business will be discussed.

CO2: Filing Challans related to self-assessment Tax, TDS Accounting, e-payment of challan 281. Students will learn about Return form 260, Checking form 26AS. Issue of Certificate, Concept of 15G, 15H forms & Payroll Processing

Goods and Services Tax

CO1 :Students will be educated about Practical Applications of Goods and Services Tax, Recording the GST Transactions and Computation of GST in respect of IGST, CGST/SGST etc. Preparation of various reports of GST like Purchase Registers / Sale Register etc.

CO2: Reverse Charge Mechanism under GST and Implications of TCS and Reverse Charge in case of E Commerce Transactions in GST. Invoicing Rules for GST i.e. format of billing mandatory fields for Return Purposes, Composition Scheme under GST.

B.Com (Financial Services)

Program Outcomes

- The course acquaints the students with theoretical as well as practical aspects of GST, Income Tax and the assessment of various incomes.
- Also, it imparts updated knowledge regarding the managerial & organisational skills along with the use of different models.
- The course teaches the various aspects of laws like Business laws, Industrial Laws, Corporate Laws & Commercial Laws.
- The students also gain industrial & banking exposure by regular visits so as to get in house training.
- The students are well versed with the workshops and the specializations of different subjects.

Program Specific Outcomes

PSO1: GST as a subject includes the basics of all the taxable categories of goods and services, Returns & Assessment of Tax, Different schemes of Registration & working of GST Portal.

PSO 2: Cost Accounting imparts practical knowledge of cost, its elements and preparation & allocation of cost to various heads. Also, the methods of costing & cost control measures.

PSO 3: Students will gain an understanding of working of Indian Financial System and various financial market operation.

PSO 4: Contemporary accounting and reporting practices teach the students about the emerging contemporary issues in accounting. Various methods of human resources accounting and price level accounting will also be covered.

PSO 5: Banking Law and Practice teaches the students about commercial banking, its types, functions and organizational structure. They will also be made aware about the various reforms and their impact on the organizational structure of banks with SBI as model.

PSO 6: Fundamentals of HRM teaches about the concept & significance of Human Resource Management, Human Resource Planning & Job Analysis.

Course Outcomes

Semester- III

Cost Accounting

CO1: Students are taught nature and scope of cost accounting, difference between cost and financial accounting along with the concept of cost unit and cost centre.

CO2: Three elements of cost accounting: - materials, labor and overhead are taught to students along with the format and preparation of cost sheet and reconciliation of financial statements.

CO3: Students will also learn contract costing, process costing, inter process profits and equivalent production.

CO4: Different methods of cost control such as marginal costing, standard costing and budgetary control will be covered.

Financial Market Operations

CO1: The students gain insights about the structure and composition of Indian financial market and its reforms.

CO2: They will also gain an understanding about working of stock exchanges and various functionaries on it including brokers, sub brokers, market makers and jobbers.

CO3: Students will learn about the functions and powers of SEBI and its guidelines to ensure protection of interests of investors.

CO4: They will have better understanding of Development Institutions and Banks like EXIM, IFCI, and NABARD. Students will come to learn about dematerialization of securities as per Depository Act 1996.

Contemporary Accounting and Reporting Practices

C01: The students will learn the emerging contemporary issues in accounting and various methods of human resources accounting.

C02: They will also learn about Price level accounting, Environmental Accounting, Forensic Accounting and different approaches of corporate social reporting.

C03: Students will learn recent trends in presentation of published accounts and reporting by diversified companies along with value added reporting.

C04: They will also learn about Basel I, Basel II and Basel III Norms along with the significance and formulation of accounting standards relating to interim reporting, accounting for leases and accounting for intangibles will be taught to students.

Banking Law and Practice

CO1: Students will be educated about commercial banking, its types, functions and organizational structure. They will also be made aware about the various reforms and their impact on the organizational structure of banks with SBI as model.

CO2: The course will cover management of deposits, loans and advances in commercial banks along with the role, objectives and functions of RBI and its monetary policy since 1951.

CO3: Concept and importance of financial inclusion along with fundamental concepts of Asset Liability Management and demonetization.

CO4: The course will provide understanding of Negotiable Instruments and their technicalities. It also makes them aware about banking norms better known as Basel Norms.

Goods and Service Tax (GST)

CO1: Students are taught the overview of GST along with its implementation and various types.

CO2: Teachings about the procedure of applying for registration and the different concepts of supply.

CO3: The Calculation of tax liability, methods of paying taxes and the basics of ITC were taught.

CO4: Practical aspects of filing of returns and the GST Portal.

Semester IV

Management Accounting and Auditing

CO1: Management Accounting explains the concept of management accounting, the relationship between cost accounting-financial accounting and managerial accounting , importance of management accounting for businesses, Recent Trends in Management Reporting, Analyze data from financial statements, Ratio Analysis.

CO2: Provides a basis of understanding to the students with reference to Fund Flow Statement and Cash Flow Statement along with process of managerial decision-making and the factors involved, Responsibility Accounting, Activity Based Costing and Transfer Pricing.

CO3: Provides a basis of understanding about the auditing and its various types as well as the concept of Comptroller and Auditor General of India.

CO4: Students will get acquainted with the study of appointment and qualification of statutory auditor along with the code of conduct and ethics and professional misconduct of statutory auditor.

Leadership and Personality development

CO1: To discuss with the students the concept of Leadership, Motivation and Morale and techniques to build the morale of employees.

CO2: To understand the concept of Conflict management and steps to deal with and resolve a conflict. To understand the process of Decision making.

CO3: To understand personality traits and their formation and their vital contribution in the world of business. To make the students aware about the various dynamics of personality development.

CO4: To discuss the reasons for Stress and techniques to cope with Stress. To enable the students understand the concept of Group Dynamics and how to build groups.

Corporate Law and Secretarial Practice

CO1: The students are educated about the characteristics of a company along with its kinds, concept of corporate veil and the procedural as well as documentary requirements for formation of a company. The students also learn about doctrine of Constructive Notice and Indoor Management, Prospectus and Book Building.

CO2: The students are given insights about the issue, allotment and forfeiture of share; demat of share, transmission of shares, buyback. Also, rights and duties of shareholders along with shareholders meetings, kinds, convening and conduct of meetings are studied.

CO3: The students are taught about the management of the company which includes classification of directors, dis-qualifications, appointment, legal position, powers and duties, disclosures of interest, removal of directors. Also, the concept and modes of winding up is also taught.

CO4: The students will get knowledge about Company Secretary, the role, qualifications, duties and responsibilities of Company secretary as a professional.

Fundamentals of Insurance and Its Accounting

CO1: The students will be able to understand insurance organization and management which will cover organization forms in life and health insurance, office administration including insurance documentation, publicity, proposal forms, premium receipts, endorsements and renewals.

CO2: Role of insurance intermediaries in emerging markets will be taught which will include agency regulation, prerequisites, training procedures for becoming an agent, functions of an agent will be taught.

CO3: The course will cover computation of premium and bonuses, claims, annuities, pensions and claim processing and settlement.

CO4: Role of surveyors, opportunity to appeal, considerations in deriving gross premiums, premium rate structure, surplus and its distribution will be taught along with Annual claim costs, premium rate variables, need for underwriting, principles in underwriting and features of insurability.

CO5: The students will be able to understand the impact of legislation and competition on Pricing, taxation and policies, cost consciousness, accounting practices, factors having impact on the demand for insurance and price behaviors in deregulated market.

Fundamentals of HRM

CO 1: The students are taught the concept & significance of Human Resource Management, Human Resource Planning & Job Analysis

CO 2: The students are acquainted with the various concepts of Recruitment, Selection and Training & Development in detail.

CO 3: The students are taught about performance evaluation, management of compensation and employee remuneration.

CO 4: The students are imparted knowledge about Job Evaluation, Incentives, and Grievance Handling & Discipline.

B Voc (E- commerce and Digital marketing)

Sem 1

Fundamentals of management

CO1: Students are made familiar with the concepts of functional management, its nature and scope, principles, social responsibilities and ethics.

CO2: Knowledge about Principles of management – Social responsibility of management and Ethics. Functions of Management.

CO3: Understanding the concept and significance of Acquisition of Human Resource – Human Resource Planning and Job Analysis, its Overview, Recruitment – Concept and Sources.

CO4: Highlighting the Selection – Concept and Process; Placement, Induction, and Socialization. Training and Development: Concept and Importance; Performance Appraisal System: Nature and Objectives.

Sem II

Marketing Management

CO1: Conceptual Framework of Marketing including functions and its significance.

CO2: Students will be taught about various marketing Concepts and Marketing Mix

CO3: Concept of Market Segmentation, Market Targeting and Positioning will be discussed

CO4: Students will get acquainted with various types of marketing research

Sem III

Fundamentals of Entrepreneurship

CO1 - To develop entrepreneurial abilities by providing background information about support systems, skill sets, financial factors and other factors, for building an enterprise so that future budding entrepreneurs can make right decisions for starting and running a business.

CO2 - To introduce students with the entrepreneurial process of creating new businesses, role of Creativity and innovation in Entrepreneurial start-ups, legal and tax considerations involved to start and manage businesses.

CO3 - To enable the students in learning Entrepreneurial Development Programmes - Relevance and achievements, Role of government in organizing such programmes. Critical Evaluation.

CO4 - To discuss the Role of Modern technology for entrepreneurship: concept, significance, benefits & avenues; websites, e-portals, wallet, blogs, social networking sites.

Fundamentals of Finance and Accounting

CO1: To understand the different aspects of accounting i.e. Economic Events, Identification, Measurement, Recording, and Communication, and Interested Users of Information.

CO2: The course mainly focuses on the theoretical framework of Accounting, Accounting Process, Preparation of Financial Statements, Understanding and Interpretation of Financial Statements that helps the different stakeholder to understand and interpret the financial position of business in a very transparent and fair manner.

CO3: Finance is the lifeblood of the business. Financial management develops an understanding of time value of money, sources of finance, cost of capital, capital structure theories and leverage, amongst the students.

CO4: Apart from this students also develop skills for working capital management, capital structure decisions, capital expenditure decisions as well as dividend decisions.

Sem- IV

Advertising and Sales Management

CO1: The students will develop a deep understanding of social, economic and legal implication of advertisement as well as the concept of media planning.

CO2: The students are given insights about designing advertisement message for various media like print media, broadcast media along with advertisement copy and its structure.

CO3: The students are taught about sales research, sales forecasting and various qualitative and quantitative methods of forecasting demand.

CO4: The students are educated about the sales organization, functions and responsibilities of sales manager, specific characteristics of sales force and their recruitment, selection and their training and development.

Retailing

CO1 : The students will learn about nature and importance of retailing, evolution of retail trends and types of retailers will be taught in class.

CO2 : Deep understanding of retail consumer, types of retail locations and retail store design and visual understanding is given to the students.

CO3 : students will learn the basics of retail merchandising and process of merchandise planning is taught in class.

CO4 : concept and advantages and disadvantages of retail franchising is taught to students along with category management. The students also learn about the Ethical and legal issues in Retailing: Dealing with ethical issues, social responsibility, environmental orientation, waste reduction at retail stores.

Sem V

Consumer Behaviour

CO1: Demonstrate how knowledge of consumer behaviour can be applied to marketing. Understand how personality traits & dynamics of motivation affects consumer choices.

CO2: How perception, attitude & learning affects consumer choices and analysis is explained. Relate these internal dynamics to the choices consumers make.

CO3: Enables to understand the impact of celebrity endorsement on the sales and brand building of company. Understand changing culture and spending patterns.

CO4: Analyzing diffusion of innovation policies of an organization. This helps to understand and appreciate what marketers are doing to better satisfy the consumer needs.

E-Commerce : Law and Practise

CO 1: To provide an understanding about the The Indian Contract Act, 1872 and the Essentials of valid contract including Discharge of contract – Modes of discharge Breach of Contract.

CO2: To gain knowledge about the technicalities of The Sale of Goods Act, 1930 Contract of sale, meaning and difference between sale and agreement to sell., Conditions and warranties

CO3: The students will get indepth knowledge of Cyber Laws (Information Technology) Act 2000, Penalties and adjudication, Appellate Tribunal , Offences

CO4 : Highlight the features of Consumer Protection Act: Definitions, objectives, redressal machineries.

Sem-VI

Customer Relationship Management

CO1: The students are educated about the growing relevance of customer relationship management along with its thrust areas like relationship marketing, customer loyalty and customer lifecycle.

CO2: The students are given insights about the evolution of the concept of CRM, designing and developing CRM strategy. Also, concepts of customer divisibility, customer mental process and customer satisfaction index are studied.

CO3: The students are taught about the customer satisfaction and loyalty along with concepts of cultivation of customer relationship, sales force automation, contact management, enterprise management and core beliefs of CRM in India.

CO4: The students learn about various facets of CRM i.e. value chain, CRM benchmarks and metrics, customer ecosystem, vendor selection, E-CRM and technological issues in CRM.

International Marketing

CO1 : To provide an introduction to International Marketing, Benefits of international marketing. International Marketing vs. Domestic Marketing, Principles of International Marketing.

CO2 : Students will learn about Customer value and the value equation, Competitive or differential advantage, Management Orientations, MNCs and TNCs International Market Entry Strategies: Different Entry Modes and Market Entry Strategies, joint Ventures, Strategic Alliances

CO3 : To provide an understanding about International Distribution and Logistics Planning: Definition and Importance of International Logistics Planning, Distribution, Direct and Indirect Channels, factors Involved in Distribution Systems.

CO4 : To gain understanding on various Modes of Transportation, International Packaging, Export Marketing Documentation

Supply Chain Management

CO1: The students will develop sound understanding of the important role of supply chain management along with various activities involved in supply chain management.

CO2: The Students are taught about the significance of forecasting in supply chain management along with various qualitative and quantitative methods of forecasting. Moreover, they are also taught about the techniques to determine the accuracy of forecasted data.

CO3: Students are also educated about the concept of inventory management as well as the important techniques for inventory management.

CO4: The students are taught about various trends in procurement including e-procurement and outsourcing.

B.Voc (Product Design & Management)

Sem III

Design Management I (B.VOC PDM)

CO1: Students will be educated about the marketing environment prevalent for entrepreneurs along with the basic concepts about product and Product Life Cycle covering various marketing strategies for different stages of PLC.

CO2: The course will also cover the 4P's of Marketing, basic purpose and types of Product Branding and Packaging along with important decision areas of size, share, materials, colors, dual use of packages, changes in package design and pre testing of package.

CO3: Concept, purpose, contents and designing of product labels and nature, growth, decision areas of direct marketing will be taught. Students will be provided with detailed knowledge of the Marketing Segmentation concept.

CO4: Evolution, concept, features and importance of Advertising, Advertising media, Advertising copy and channels of distribution will be taught.

Sem-IV

Design Management 2

CO1: Students are made familiar with basics of marketing environment for entrepreneurs covering various concepts of marketing research. They are also given thorough knowledge of product life cycle and marketing strategies for each stage of PLC.

CO2: Meaning, Basic Purpose and types of packages are taught along with important decision areas like size, share, materials, colors, dual use of packages, changes in package design, pre testing of package.

CO3: The basic concepts of direct Marketing including its Nature, Growth, Advantages, Types and Major Decision are taught. Students are also provided knowledge about Product Labeling and Designing of Labels.

CO4: Students are acquainted with Meaning, features and importance of Entrepreneurship and their contribution towards the economic development of the Nation.

Sem V

Basis of Finance for Entrepreneurs

CO 1: The students are taught the basics of financial management including the detailed discussion on capital structure decision.

CO 2: The students are acquainted with various sources of finance & the various tools and techniques that can be employed for analysis of financial statements.

CO 3: The students are taught the techniques of capital budgeting, risk analysis in capital budgeting & dividend policy decision.

CO 4: The knowledge of operating & financial leverage and management of working capital is provided

Sem-VI

Entrepreneurship and Management

CO1 : To develop entrepreneurial abilities by providing background information about support systems, skill sets, financial factors and other factors, for building an enterprise so that future budding entrepreneurs can make right decisions for starting and running a business.

CO2 : To introduce students with the entrepreneurial process of creating new businesses, role of Creativity and innovation in Entrepreneurial start-ups, legal and tax considerations involved to start and manage businesses.

CO3: Knowledge about functions of Personnel management which includes recruitment, selection, training, job evaluation and worker's participation in management.

CO4: Understanding the concept and significance of marketing management through various techniques of marketing and marketing research and insight into 4 Ps of Marketing.

B Voc (Health Care Management)

Sem II

Front Office Management

CO1 : Front Office: Students are taught about various sections of front office Departments, staff requirement, Staff organization in the hospital, selection of staff.

CO2 : Provides a basis understanding to students about Department Policies and Procedure: OPD Timing, Billing, Report delivery, Front Office data management.

CO3 : Managing Front office: Patient Problem, Patient admission, Tele Conversation, Doctors complaints, increased workload

CO4 : Students are taught about Team work in Front Office: Essential of good team work, Nature of scope in team work, Characteristics of effective team work & Team building.

Sem-III

Basics of finance in health care

CO1 : To understand accounting efficiently it is important to understand the different aspect of Financial accounting i.e. Identification, Measurement, Recording and communication, and interested Users of information. It deals with preparing accounts of non profit organization.

CO2 : Students are taught nature and scope of Cost accounting. Element of cost accounting

CO3 : Management accounting: explains the concept of management accounting, Relationship between cost accounting, financial accounting and management accounting. It provides a basis of understanding to the students with reference to Fund Flow Statement and cash flow statement

CO4 : Students are taught about Business plan, Projects idea, and Hospital rate settings.

Fundamentals of Management

CO1: Students are made familiar with the concepts of management, its nature and scope, principles, social responsibilities and ethics.

CO2: Knowledge about various principles of management, social responsibility and management ethics.

CO3: Understanding the concept and significance of Human Resources and their management.

CO4: Highlighting the Human Resource Planning process and importance of training and development of human resources.

Sem-IV

Fundamentals of Accounting

CO1: To understand the different aspects of accounting i.e. Economic Events, Identification, Measurement, Recording, and Communication, and Interested Users of Information.

CO2: The course mainly focuses on the theoretical framework of Accounting, Accounting Process, Preparation of Financial Statements, Understanding and Interpretation of Financial Statements that helps the different stakeholder to understand and interpret the financial position of business in a very transparent and fair manner.

CO3: This course also focuses on the importance of maintenance of subsidiary books in Financial Accounting with special focus on Cash Book.

CO4: The subject will provide the knowledge of various statements prepared under final accounts including Trading & P&L Account and Balance Sheet.

Sem-V

HRM

CO 1: The students are taught the concept & significance of Human Resource Management, Human Resource Planning & Job Analysis

CO 2: The students are acquainted with the various concepts of HR Planning including Recruitment, Selection and Training & Development in detail.

CO 3: The students are taught about the concept of Human Resource development covering the process of performance evaluation, management of compensation and employee remuneration.

CO 4: The students are imparted knowledge about Job Evaluation, Incentives, and Grievance Handling & Discipline.

Sem-VI

Basics of Operations

CO1: The course acquaints the students to understand the concept of Productions and Operations Management, Market Analysis and the process to develop the new product designs.

CO2: It provides the knowledge about operation management in hospitals, the various challenges and strategies for the same.

CO3 It focuses on Purchase management & Inventory management by understanding the various types of inventories and levels of inventories

CO4 :It provides the ample amount of knowledge about supply chain management as well as quality management.

Sem-VI

Marketing Management

CO1: Conceptual Framework of Marketing including functions and its significance.

CO2: Students will be taught about various marketing Concepts and Marketing Mix and also provides an insight into the product decisions including branding, packaging, labelling of the product.

CO3: Concept of Market Segmentation, Market Targeting and Positioning will be discussed

CO4: Students will get acquainted with various pricing and promotion decisions to be taken by a marketing manager.

Bachelor of Design

Sem 3

Advertising and marketing

CO1: Students are taught about various marketing philosophies and customer retention. Different ways will be taught to scan marketing environment and marketing research process.

CO2: Consumer and business buying behaviour is taught to students. Positioning strategies, segmentation and targeting is also covered.

CO3: Various pricing methods and strategies along with product life cycle and packaging decisions are taught to the students.

CO4: Patterns of channels, promotion decisions along with its factors is taught to the students. They will also learn about direct marketing tools and techniques and the relevance of advertising in marketing mix.

Sem 4

Business Studies-I (Theory) (BD IV)

CO1: The course will cover the basics of business including concept and nature of business, objectives, scope and social responsibility of business. Business system and its environment will also be studied.

CO2: The students will learn about the different forms of business ownership and organization along with business combination. They will also be taught about choosing a suitable form of organization.

CO3: The students will be educated about production function of business which will include in depth study of production management, production planning and control.

CO4: The students will be given insights about the marketing function of business i.e. nature and functions of marketing, marketing research and channels of distribution.

Sem 5

Business Studies II

CO1: Students are made familiar with the concepts of finance function, its nature and scope, Financial planning and sources of finance.

CO2: Knowledge about functions of Personnel management which includes recruitment, selection, training, job evaluation and worker's participation in management.

CO3: Understanding the concept and significance of Process of planning and various steps of planning.

CO4: Highlighting the traditional and Modern concept of sales function, Sales force management and Sales promotion.

Sem 6

Entrepreneurship Development Programs

CO1: Students are made familiar with Entrepreneurship and its Traits including Why entrepreneurship should be chosen, who is an entrepreneur (Characteristics of a good entrepreneur), Entrepreneurship Motivation training (Developing entrepreneur's traits through behavior exercises)

CO2: A comprehensive knowledge about Method of Product Identification and Procedures and formalities, Concept of Project Report—covering aspects like management, Site selection, Building Technology, Technical Know-how and Selection of Plant and Machinery, Plant Capacity, Utilities requirements is provided to the students.

CO3: It provides the basic framework for taking decisions like site selection, selection of Plant and Machinery, Utility requirements etc.

CO4: It covers Project financing and Viability. The students are taught about Project Cost and Capital Structure along with Estimating Cost of Production and Profitability.

BAJMC

Sem 4

Advertising: Concepts & Principles

CO1: The students will develop a deep understanding of Origin & development, Growth of advertising in India and its Scope.

CO2: The students are given insights about the Need for advertising, Functions of advertising, Benefits of advertising to Seller, Buyer & Media.

CO3: The students are taught about the Commercial & Non-commercial, Product & Consumer, Classified & Display Retail & Wholesale advertising.

CO4: The students are educated about the Communication Process & Advertising, Communication Principles, Theories applied to advertising.

Sem 5

Event management

CO1: This Course is meant for beginners who are keen to work in the field of event management or for those who want to start their own entrepreneurship.

CO2: It provides a basic understanding of event management in the context of events and activations that are rapidly increasing across the world. It covers the role and importance of Exhibitions in managing the events.

CO3: It presents the importance of event management as a growing profession and a million dollar industry. It focuses on the role of Press in promotion of an event.

CO4: It covers knowledge about the types, characteristics, advantages and scope of events, and the opportunities in the event industry based on the diversity of events such as Intellectual Properties; Social and Cultural events (weddings, festivals, personal events etc).

B Voc Sound Technology

Sem 5

Advertising, Marketing and Event Management

CO1: Design and manage advertising and public relations communication for a brand. Be employable in Advertising and Public Relations industry

CO2: Appreciate the evolution of Advertising and Public Relations, as they exist today.

CO3: Develop persuasive campaigns for an organisation/ brand or service using different media platforms. It introduces the students with the relevance and technicalities of press conferences and interactions.

CO4: The Course provides knowledge on how to establish and run the events. It further provides insights on the successful running of an event management company with special emphasis on marketing and budget planning.

B.B.A.

Program Outcomes

- The course educates the students about the multifaceted discipline of commerce with specific focus on financial services covering various modules of Financial Accounting with Tally, Business Organization & Management, Mercantile Law, Banking Operations & Regulations, Indian Financial System, Corporate and Bank Accounting.
- The course engages the students in learning the accounting principles and concepts along with its application through tally software. The course assists the students to learn manual as well as computerized accounting for various forms of organization. Also, it imparts updated knowledge regarding the managerial & organisational skills along with the use of different models.
- The course has been designed to equip the students with the requisite skills to work successfully in the financial services. Also, it is beneficial for students aspiring to professionally pursue academic specializations like MBA, M.com, CA, CS and banking and insurance sector.

- It educates the students about the legal environment of India, basic concepts and regulations of banking companies, the purpose and structure of Indian financial system with insights into its core components and the legal provisions for preparation of Final accounts of companies and banking institutions.

Program Specific Outcomes

PSO 1: The course of Basic accounting mainly focuses on the theoretical framework of Accounting, Accounting Process, Preparation of Financial Statements, Understanding and Interpretation of Financial Statements that helps the different stakeholder to understand and interpret the financial position of business in a transparent and fair manner.

PSO 2: Business organization as a subject includes learning about various forms of organization, social responsibility of a business along with working of stock exchanges in India. In addition to this, location aspects of business are also studied.

PSO 3: Communication plays a vital role in all the proceedings of an organization. Business communication acquaints the students with the purpose, process and barriers of communication. In addition to this, organizational communication is studied in detail where in internal correspondence as well as business etiquettes are taught to the students. Also secretarial correspondence with emphasis on preparation of resume and job application form is studied.

PSO4: Principles of Management provides a basis of understanding to the students with reference to working of business organization through the process of management. It will cover various management techniques of Planning, Staffing, and Controlling along with evolution of management thought, coordination, departmentation, Authority in an organization.

PSO5: Computer based accounting system focuses on computerized accounting; various accounting packages available, database design for accounting and also acquaints the students with practical knowledge of Tally.

PSO6: Fundamentals of Banking is the study of various types of banks including commercial bank, central bank. It also includes the practical aspects of banking which covers negotiable instruments, clearing house systems.

Semester 1

Course Outcomes

Basic Accounting

CO1: To understand the different aspects of accounting i.e. Accounting Concepts, Principles and Conventions, Accounting Standards, Accounting Process/Cycle, Journal.

CO2: To enable the students understand Subsidiary Books, Ledger, Cash Book, Trial Balance, Bank Reconciliation Statement.

CO3: To understand the Financial Statements, Usefulness of Financial Statements, Elements of Financial Statements, Preparation of Trading and Profit & Loss Account and Balance Sheet

CO4: To understand important provisions of Companies Act, 2013 in respect of preparation of final accounts of a company, Understanding the Annual Report of a Company, Computers and its application in accounting, Accounting software package (Tally).

Business Communication

CO1: Students are taught basics of business communication along with basic models, forms and conditions for successful business communication, Meaning and types of organizational communication.

CO2: Principles of oral presentation and factors affecting the same are also covered. Students are made aware of cross cultural etiquette and business to business etiquette.

CO3: Various modes of internal correspondence i.e. memos, circulars, modes of correspondence with banks and customers are taught in class.

CO4: Secretarial correspondence with shareholders, debenture holders and communicating with statutory authorities like stock exchange, RBI, SEBI etc. is covered.

Business Organization

CO1: To understand the concept of business and profession, Essentials of a successful business, Scope of business, evolution of commerce & industry, Industrial Revolution-its effects and Industrialization in India.

CO2: To understand the features of different Forms of Business organization, Promotion of a business, Business size and location decisions, various factors to be considered for starting a new unit, Problems in starting a new business.

CO3: To enable the students understand the concept of Business ethics, Social responsibility of business, Manager and his environment, Location and size of industry.

CO4: Students get acquainted with the concepts of Stock Exchange, Recent trends in wholesale & retailing, Malls and Super Markets – their effect on economy.

Semester II

Computer Based Accounting

CO1: Develop a comparative picture of manual accounting and computer based accounting. Suitability of each. They will have a better understanding of designing process of an accounting package, vouchers, data entry, grouping, hierarchy and codification of accounts

CO2: Students will understand Identifying and appreciating the data content in accounting transactions, overview of database concepts, ER model, creating and implementing RDM for Financial Accounting.

CO3: Students will learn about - Documenting transactions using vouchers, Financial Accounting Packages, Preparation and online finalization of accounts on Tally, ERP 9.0, Introduction of Tally, ERP 9.0, Phases of Implementation.

CO4: Understanding of Accounts Reports. Preparation and Compilation of complete balance sheet of any Industries/Organization/ Firms will be given.

Fundamentals of Banking

CO1: The students are acquainted with the nature and evolution of commercial banking in India along with its importance, the various services provided by commercial banks and different types of banks.

CO2: The students learn about the central bank and its working, credit creation mechanism along with techniques of credit control used by RBI. In addition to this, practical aspects of banking i.e. negotiable instruments: - cheques, bills of exchange and promissory notes are taught to the students.

CO3: The students are taught about the customer's passbook and its entries as well as effects of errors on bankers and customers. They are also educated about the concept of clearing house and its working.

CO4: Students will learn about Group and Chain Banking, Unit and Branch Banking, Investment Banking and Mixed Banking.

Principles of Management

CO1: Students are taught nature and concept of management along with various management techniques and the evolution of management thought.

CO2: Nature and significance of planning and theories of organization used in management is taught to the students.

CO3: Departmentation is taught along with parity between authority and responsibility.

CO4: Process of staffing, coordination and control is taught to the students

Business Law

CO1: The students will develop understanding of various essentials which are to be fulfilled in order to make a valid contract.

CO2: The students are acquainted with basic conditions to be satisfied to make a valid sale contract along with the difference between sales and agreement to sell.

CO3: The students are taught rights of consumer and the redressal machineries through which a consumer can file a complaint.

CO4: Concept of negotiable instruments, its types and endorsement along with practical aspects of various negotiable instruments is taught to the students.

Semester III

Indian Financial System

CO1: The students are taught about the structure and purpose of Indian Financial System with in-depth insights into its various components and structure.

CO2: The students learn about the fundamental concepts of money market and capital market along with their types and functions.

CO3: The students are educated about the traditional and innovative financial instruments. They also learn about various kinds of financial services including their objectives and financial service sector problems and reforms.

CO4: The students are familiarized with the different kinds of financial institutions, FIIs and FDIs along with their recent developments and importance.

Management Accounting

CO1: Management Accounting explains the concept of management accounting, the relationship between cost accounting-financial accounting and managerial accounting , importance of management accounting for businesses, Recent Trends in Management Reporting, Analyze data from financial statements, Ratio Analysis.

CO2: Provides a basis of understanding to the students with reference to Fund Flow Statement and Cash Flow Statement.

CO3: Discuss the process of managerial decision-making and the factors involved.

CO4: Students will get acquainted with the study of Responsibility Accounting, Activity Based Costing and Transfer Pricing.

Human Resource Management

CO 1: The students are taught the concept & significance of Human Resource Management, Human Resource Planning & Job Analysis

CO 2: The students are acquainted with the various concepts of Recruitment, Selection and Training & Development in detail.

CO 3: The students are taught about performance evaluation, management of compensation and employee remuneration.

CO 4: The students are imparted knowledge about Job Evaluation, Incentives, and Grievance Handling & Discipline.

Marketing Management

CO1: Students are taught about various marketing philosophies and customer retention. Different ways will be taught to scan marketing environment and marketing research process.

CO2: Consumer and business buying behaviour is taught to students. Positioning strategies, segmentation and targeting is also covered.

CO3: Various pricing methods and strategies along with product life cycle and packaging decisions are taught to the students.

CO4: Patterns of channels, promotion decisions along with its factors is taught to the students. E-commerce marketing practices, social and internal marketing is also taught to the students.

Semester IV

Productions and Operations Management

CO1: The course acquaints the students to understand the concept of Productions and Operations Management, Market Analysis and the process to develop the new product designs.

CO2: It provides the knowledge about methods to improve productivity as well as work study.

CO3: It focuses on Inventory management by understanding the various types of inventories and levels of inventories

CO4: It provides the ample amount of knowledge about supply chain management as well as quality management.

Operations Research

CO1: The course acquaints the students to understand the concept of operations research and its various implications in business further gives the knowledge of the practical aspects of linear programming problems.

CO2: It provides the knowledge about the techniques of Simplex, transportation problems and assignment problems

CO3: It focuses on Inventory management by understanding the various types of inventories and levels of inventories and the techniques of game theory

CO4: It provides the ample amount of knowledge about Basic concepts of Network Models, Preparation of the Network diagram, project duration and critical path, probability of Project completion.

Fundamentals of Insurance

CO1: The course acquaints the students to understand the Concept of Insurance, Reforms in Indian Insurance Sector and its Implications.

CO2: It provides an overview of Insurance Industry and its legal framework.

CO3: It focuses on the aspects of Underwriting and Reinsurance.

CO4: It provides the ample amount of knowledge about Role and Code of Conduct of IRDA as well as various distribution channels of insurance.

Financial Management

CO 1: The students are taught the basics of financial management including the detailed discussion on capital structure decision.

CO 2: The students are acquainted with various sources of finance & calculation of cost of capital of these sources.

CO 3: The students are taught the techniques of capital budgeting, risk analysis in capital budgeting & dividend policy decision.

CO 4: The knowledge of operating & financial leverage and management of working capital is provided

Semester V

Company Law

CO1: The students are educated about the characteristics of a company along with its kinds, concept of corporate veil and the procedural as well as documentary requirements for formation of a company. The students also learn about doctrine of Constructive Notice and Indoor Management, Prospectus and Book Building.

CO2: The students are given insights about the issue, allotment and forfeiture of share; demat shares, transmission of shares, buyback. Also, rights and duties of shareholders along with shareholders meetings, kinds, convening and conduct of meetings are studied.

CO3: The students are taught about the management of the company which includes classification of directors, dis-qualifications, appointment, legal position, powers and duties, disclosures of interest, removal of directors. Also, the concept and modes of winding up is also taught.

CO4: The students learn about various Emerging Issues in Company Law like One Person Company, Small Company, Postal Ballot, Small Shareholders on Board, Online Registration of Company, National Company Law Tribunal, Limited Liability Partnership, Insider Trading, Rating Agencies, Producer Company.

Cost Accounting

CO1: Students are taught nature and scope of cost accounting, difference between cost and financial accounting along with the concept of cost unit and cost centre.

CO2: Three elements of cost accounting: - materials, labor and overhead are taught to students along with the format and preparation of cost sheet.

CO3: Students will also learn contract costing, process costing and inter process profits

CO4: Different methods of cost control such as marginal costing, standard costing and budgetary control will be covered.

Consumer Behaviour

CO1: Demonstrate how knowledge of consumer behaviour can be applied to marketing. Understand how personality traits & dynamics of motivation affects consumer choices.

CO2: How perception, attitude & learning affects consumer choices and analysis is explained. Relate these internal dynamics to the choices consumers make.

CO3: Enables to understand the impact of celebrity endorsement on the sales and brand building of company. Understand changing culture and spending patterns.

CO4: Analyzing diffusion of innovation policies of an organization. This helps to understand and appreciate what marketers are doing to better satisfy the consumer needs.

Entrepreneurship and Small Business

CO1: To develop entrepreneurial abilities by providing background information about support systems, skill sets, financial factors and other factors, for building an enterprise so that future budding entrepreneurs can make right decisions for starting and running a business.

CO2: To introduce students with the entrepreneurial process of creating new businesses, role of Creativity and innovation in Entrepreneurial start-ups, legal and tax considerations involved to start and manage businesses.

CO3: To enable the students in learning basic fundamentals of decision making towards establishing enterprises in real life situations.

CO4: To discuss the Role of Small Business in the national economy and National Policies for small business development along with Government and Non-Governmental assistance provided for the same.

Advertising and Sales Management

CO 1: Enumerate the role and importance of advertisements. Understand how to manage media planning and selection.

CO2: Understand different budgeting methods and factors affecting the advertising Budget. The learner would be able to understand the ethical Advertising and role of ASCI.

CO3: Familiarization with the subject will enable the student to lay down and measure effectiveness of advertising copy.

CO4: Understand personal selling, types of Sales Organization and how sales quotas and territories are fixed.

Semester VI

Income Tax

CO1: The students will be able to understand the basic concepts of tax like Income, Person, Assessee, Previous Year, Assessment Year, Exempted incomes under section 10, Rebate, relief and agricultural income.

CO2: The course will cover the determination of Residential status and its impact on the scope of total taxable income of persons.

CO3: Students are taught to calculate the taxable income under different heads of income i.e. Salaries, House Property, PGBP, Capital Gain and Other Sources.

CO4: Concepts of Clubbing of income, Set off and carry forward of losses and deductions under section 80C to 80U from Gross Total Income, Computation of Total Income and Tax liability of individuals and firms will be taught.

Training & Development

CO1: It provides students with an overview of the role of training and development in HRM.

CO2: Explore the psychological needs on which training programs should be based upon, Recognize the training needs, program design and evaluation of an organization

CO3: Evaluation of training programs effectiveness through career planning, budgeting, monitoring and following up of the process

CO4: To understand the various strategies used by organizations to measure performance and reward for the same

Fundamentals of Capital Market

CO1: Students are introduced with the basic structure of Indian Capital Market and its various components: - Primary market and secondary market. They can better understand the functioning of market.

CO2: Students come to know about the traditional and innovative financial instrument existing in capital market so that students can have a better understanding of their features and suitability.

CO3: A better understanding of working of stock exchanges is imparted by discussing its organization, members, operators, SEBI guide lines and the way companies get themselves list on the stock exchange.

CO4: Relevance of stock market indices is discussed along with their types and factors that determine so as to develop interest among students towards capital markets.

Contemporary Issues in Human Resource Management

CO1: The students are taught ethical issues & challenges in HRM, Job Stress and Gender issues in workplace

CO2: The students are acquainted with performance management system & reward system in the organizations

CO3: The students are taught about managing diversity and changing patterns of work

CO4: The students are imparted knowledge about E-HRM, Human Resource Accounting & Auditing

Master of Commerce (M.Com)

Program outcome

- Graduates will be capable of making a positive contribution to commerce, trade and industry in the national and global context.
- Creating awareness in application oriented research for business decisions.
- The students will be ready for employment in areas like Accounting, Taxation, Banking, Insurance and Corporate Law.
- Ability to start entrepreneurial activities and to inculcate ethical values, team work, leadership and managerial skills.
- Students will exhibit inclination towards pursuing professional courses such as CA/ CS/ CMA/CFA etc.

Program Specific outcomes

PSO1: Management Principles and Organization Behaviour provides basic understanding of management, various functions of management comprehensively, concept of motivation, leadership, organizational behavior including topics like personality, attitude, emotions and perception in detail.

PSO 2: Management Accounting and Control Systems focuses on theoretical framework of accounting, including the systems and tools used by managers to ensure that the actions and decisions of employees agree with the aims and strategies of the company. Within the context of the course there will be insights into Standard Costing and its variance analysis, Marginal Costing and Break-even Analysis, how Segment Performance is evaluated, analysis of Financial Statements, Contemporary Issues, Reporting to Management.

PSO3: In Corporate Financial Accounting and Auditing the students will study the basic concepts of corporate accounting and learn to prepare the final accounts of companies. Students will also learn different ways to value shares and goodwill of the company. The students will also learn different types of audit and various duties and liabilities of a company auditor.

PS04: Financial Management is the study which teaches about managing, procurement and utilization of finance in an organization. Students will also learn the management of cash, working capital and different types of leverages.

PS05: Marketing Management as a subject teaches students about the dynamism in marketing environment along with various latest philosophies used in marketing. Students will understand the modern marketing concepts and consumers and organizations buying behavior with pricing strategies.

PS06: Human Resource Management as a subject inculcates the understanding and analysis of human resources planning and familiarize with recruitment and selection procedures. This subject also covers various methods of job evaluation, wage and salary administration and compensation plans.

Semester-I

Course Outcome

Management Principles and Organisation Behaviour

CO1 Learning about the important concepts of management including innovative techniques like Management by Objectives and the effective skills to organise the management structure in an effective manner.

CO2 Studying the importance of understanding psychology of human resources like identifying the motivating factors so as to get things done through others and learn the theoretical framework of motivation. They will also learn about various leadership styles and theories so as to be better managers.

CO3 Introducing students with Organisation Behaviour – its significance and concepts and will provide an insight into factors affecting personality and attitude of an individual.

CO4 Learning about the concept of Emotional Intelligence and various factors shaping the perception and emotions of an individual, learning how to manage emotions at work and also understanding perception process and the various distortions affecting the process.

Management and Control System

CO1: Learning accounting as management information system. Students are provided knowledge about various concepts of Management and Cost Accounting including Reporting to Management .

CO2: Acquaintance with the concepts of Management Control System, structure & process.

CO3: Providing knowledge about analysis of financial Statements, Cost Analysis for decision making including Standard Costing and Variance Analysis.

CO4: Teaching about Marginal Costing, Break-even Analysis, Contemporary Issues in Cost Accounting and Segment Performance Evaluation

Semester-II

Marketing Management

CO1: Students are taught about various marketing philosophies and customer retention. Different ways will be taught to scan marketing environment and marketing research process.

CO2: Consumer and business buying behaviour is taught to students. Positioning strategies, segmentation and targeting is also covered.

CO3: Various pricing methods and strategies along with product life cycle and packaging decisions are taught to the students.

CO4: Patterns of channels, promotion decisions along with its factors is taught to the students. E-commerce marketing practices, social and internal marketing is also taught to the students.

Financial Management

CO1 : This part will help the students to learn about the concept of Business Finance & Objectives of Financial Management and process of financial decision making. An in-depth study of Capital Structure, Cost of Capital and Capitalisation will be undertaken.

CO2 :Capital Budgeting decisions, their significance and how they are taken will be practically explained. The impact of Dividend Decisions on the Valuation of firms will be discussed.

CO3 :This section will analyze the alternate financial plans, Calculation of Financial, Operating & Composite leverage.

Firms Working Capital requirements will be estimated practically.

CO4 :Students will learn in detail the management of Cash & Receivables in Business.

Corporate Financial Accounting & Auditing

CO 1: The students are imparted knowledge about the preparation of Company Final accounts along with managerial remuneration

CO 2: The students are taught various approaches of valuation of goodwill & valuation of shares

CO 3: The knowledge of various types of audit is imparted along with various aspects of statutory auditor & professional misconduct

CO 4: Detailed understanding of Cost audit, audit of management functions and functional areas including various aspects relating to cost auditor & management auditor

Human Resource Management

CO 1: The students are taught the concept & significance of Human Resource Management, Human Resource Planning & Job Analysis

CO 2: The students are acquainted with the various concepts of Recruitment, Selection and Training & Development in detail.

CO 3: The students are taught about performance evaluation, management of compensation and employee remuneration.

CO 4: The students are imparted knowledge about Job Evaluation, Incentives, and Grievance Handling & Discipline.

Semester III

Consumer Behaviour

CO1: Demonstrate how knowledge of consumer behaviour can be applied to marketing. Understand how personality traits & dynamics of motivation affects consumer choices.

CO2: How perception, attitude & learning affects consumer choices and analysis is explained. Relate these internal dynamics to the choices consumers make.

CO3: Enables to understand the impact of celebrity endorsement on the sales and brand building of company. Understand changing culture and spending patterns.

CO4: Analysing diffusion of innovation policies of an organization. This helps to understand and appreciate what marketers are doing to better satisfy the consumer needs.

Retail Management

CO1 :The students will learn about nature and importance of retailing, evolution of retail trends and types of retailers.

CO2 :Deep understanding of retail consumer, types of retail locations and retail store design and visual understanding is given to the students.

CO3 :Students will learn the basics of retail merchandising and process of merchandise planning.

CO4 :Concept and advantages and disadvantages of retail franchising is taught to students along with category management.

Contemporary Accounting

CO1: Students will get acquainted with the Emergence of Contemporary Issues in accounting, influence of other disciplines on accounting and changing environment, Human Resource Accounting.

CO2: Students will learn about Price Level Accounting, Corporate Social Reporting and Corporate Reporting.

CO3: Students will get to know about Recent Trends in the Presentation of Published Accounts, Reporting by Diversified Companies and Value Added Reporting.

CO4: learners will get to know about Corporate Reporting through Web and Accounting Standards in India.

Security Analysis and Portfolio Management

CO1: Elements of investment and approaches to investment are discussed. Various financial assets available for investment and overview of capital markets is given.

CO2: Usage of fundamental analysis and technical analysis for the investors is explained.

CO3: Various issues in portfolio construction and revision are illustrated. Effect of combining securities is explained with the help of Markowitz risk-return optimization.

CO4: Portfolio Performance Evaluation by using market timing and risk adjusted measures of performance evaluation is explained.

Security Market Operations

CO 1: The students are provided detailed knowledge about capital market including New issue market & Secondary market. They are also taught about major stock exchanges & stock indices in India.

CO2: The students are acquainted with the Clearing and Settlement, Derivatives Market, Debt Market and the working of Mutual Funds.

CO3: The students are provided knowledge about Euro Issues, Foreign Institutional investors & working of Securities and Exchange Board of India.

CO4: The students are taught about Legal Environment governing capital market in India, Depository system & credit rating system in India

Banking and Insurance services

CO1: Students will get Knowledge about history, management and regulation of commercial banking in India.

CO2: Students will get an insight to the risk management methods and various innovations in banking sector.

CO3: Education regarding insurance industry in India and its framework will be imparted.

CO4: This section highlight various aspects of insurance namely saving policies, tax benefits, insurance pricing and documentation.

Strategic Management

CO1-Understand the strategic decisions that organisations make and have an ability to engage in strategic management by applying Mckinsey's 7 s model.

Explain the basic concepts, principles and practices associated with strategy formulation and implementation and also enable them to design and evaluate the strategic indent with special reference to mission statements.

CO2: Understanding about the techniques to scan external and internal environment of an organization.To impart the knowledge relating to key success factors, competitive advantages and porter's five force models.To make them understand the importance and practical implication of ETOP and SWOT.

CO3: Understanding about the equal importance of different types of strategy by coordinating it with business life cycle.Clarity about the strategies followed by different companies in the corporate world through various models related to portfolio strategies.

CO4:Importance of strategy implementation according to organisational structure.Role of CSR in corporate world.Clarity about the various techniques of strategy evaluation and control.

Semester IV

Financial Markets & Financial Services

CO1 :To understand the role and functions of the financial system in reference to the micro economy.To study the evolution structure and recent developments in development banking

system.Highlight the role of RBI and monetary policy, relevance of monetary control techniques with liquidity Adjustment facility

CO2:To impart knowledge about RBI guidelines ,problems and progress of NBFC.Mechanism of Factoring services and venture capital financing in India

CO3:Importance of CCIL, Functioning and impact of REPOS,To study the role of government securities and call money market in India

CO4:To give conceptual framework relating to money market with extensive role of its instrument i.e. treasury bills, commercial papers and certificate of deposits.To understand the process and progress of securitization in India

Brand and Distribution Management

CO1: Establishing 360 degree view point on brand management process which includes various concepts like brand equity, positioning and associations.

CO2: Understanding of different quantitative and qualitative research techniques of measuring brand performances.

CO3: Educating the students about the distribution of branded products through retailing.

CO4: This includes concepts like franchising, retail merchandising and supply chain management. The main focus is on selection, location and design of a retail store.

Services Marketing

CO1 The course acquaints the students to understand the Concept of services, Customer Expectations of Services, Customer Perceptions of Services and Understanding customer Expectations & Perceptions through Marketing Research.

CO2 It provides the ample amount of knowledge about Impact of service failure and how to recover the service failure, Challenges of service design and Service blueprinting. Employees'

and customers' Role in Service Delivery further it gives the knowledge of practical implications of services marketing.

CO3 It focuses on the various stakeholders of service and their role in service delivery like employees, customers, various intermediaries and electronic channels.

CO4 It provides an overview of various methods of pricing of services as well as various Financial & Economic Effects of Service.

Corporate Tax Law and Planning

CO1:Students are provided knowledge about concepts of Tax Planning, Tax Avoidance & Tax Evasion, procedure of computation of tax and Concept of MAT.

CO2:Tax planning is taught in detail with reference to form, location and type of business.

CO3:Tax incentives in SEZs for exporters and tax planning for amalgamation and different financial decisions is taught in detail.

CO4:A thorough understanding of concepts of tax planning with reference to management decisions, double taxation and provisions relating to taxability of dividend from company and investor's point of view is given to the students.

International Accounting

CO1: Students are introduced with importance of studying international accounting practices worldwide and the way, environmental factors shape up the accounting practices worldwide. A brief overview of various financial reporting practices used by MNCs is provided.

CO2: Students come to know about the trivial and complex issues encountered while doing international financial analysis. Then why harmonization of international accounting practices is need of the hour, various reasons are discussed along with various institutional efforts to resolve the issues.

CO3: Status of Convergence of Indian Accounting standards with IFRS. Students come to know about transfer pricing mechanism used by the MNCs to reduce their tax burden. Also various foreign currency transaction and translation methods and practices used worldwide are discussed.

CO4: Issues related to preparation of Consolidated Financial Statements are discussed. A very complicated issue i.e. International Taxation is elaborated and various aspects related to problem of double taxation are discussed. Then students come to know about the strategic accounting issues dealt with by the MNCs.

Advertising and Sales Management

CO 1: Enumerate the role and importance of advertisements. Understand how to manage media planning and selection.

CO2: Understand different budgeting methods and factors affecting the advertising Budget. The learner would be able to understand the ethical Advertising and role of ASCI.

CO3: Familiarization with the subject will enable the student to lay down and measure effectiveness of advertising copy.

CO4: Understand personal selling, types of Sales Organization and how sales quotas and territories are fixed.

International Financial Management

CO1: Determination of Exchange Rate under various conditions is discussed. Monetary systems at international level are explained.

CO2: An understanding of methods of currency forecasting. An overview of Balance of payments Account.

CO3: An analysis of different factors impacting Country Risk Analysis. Measuring Transaction Exposure, Operating Exposure and Translation Exposure is emphasized.

CO4: Recent developments in derivatives markets in India are elaborated. Instruments of derivative market are explained as well.

E-Commerce

CO1: The Students are enlightened about the E-Commerce based activities, its goals, Scope and Framework. Along with it the importance of website in market place.

CO2: The Teachings of Online business, the operations of E-Commerce, Online Payment Mechanism, its Gateways, tools for promoting website and risk management options.

CO3: The Concept of security and legal aspects, its Threats and Client's security, Cyber Laws and Relevant provisions of IT Act, 2000 are also made clear to students.

CO4: Business Models and Revenue Models over the Internet, Emerging trends in E-Business, Digital Commerce, Mobile Commerce, and Strategies of business over web.

Department of Economics

B.Sc. Economics

Program Outcome

- The course caters to the basic requirement of a student to equip himself with the knowledge of Economics (social science), Mathematics/Quantitative Techniques (Pure Science) and Computer Science.
- The given combination of subjects enable the students to brace themselves with skills required to prepare for various competitive examinations like IAS, IES, PO, MBA, etc.
- The given combination of subjects provide a wholesome exposure to understand the social, economic as well as political environment, not only of the Indian economy but also world at large.
- The students may pursue post-graduation in any of the given subjects, like M.A. Economics, M.Sc. Economics, M.Sc. Mathematics, M.Sc. Statistics, M.Sc. Computer Science, M.A. English. M.A. Punjabi, and alike.

Program Specific Outcome

PSO1: Enables the students to understand the pattern and nature of international trade and their contribution to economic development. It also enables the learners to know the role of public revenue and expenditure.

PSO2: The objective of this course is to develop the conceptual framework of government policies and programmes; acquaint with latest data and will enhance analytical skills.

PSO3: The topics taught under this program will enable students to understand the working of an economy at the micro level.

PSO4: The topics taught under this program will enable students to understand the working of an economy at the macro level.

PSO5: The objective of this course is to make the students aware of the economic structure of their own economy as well as that of others to develop an analytical acumen for further research in this subject.

PSO6: The objective of this course is to develop skills in statistical analysis and enable them to understand statistical application on various economic problems. The students of final semester are exposed to mathematical and statistical techniques for in-depth understanding of economic analysis/ data analysis.

Course Outcomes

B.A./B.Sc(Economics) Sem.1

Subject:Microeconomics

CO1:Presents definition of Economics, basic concepts of Economics along with theories of consumer equilibrium.

CO2:Focuses on theories of Production, Cost and Revenue

CO3:Describes the features of Perfect Competition, Monopoly and Monopolistic Competition along with equilibrium of a firm.

CO4:Presents the theories of rent, wages, interest and profit.

B.A./B.Sc. Economics Sem 2

Subject : Macro Economics

CO1:This section presents definition of Macroeconomics, Classical and Keynesian model of Income and Employment along with their related concepts.

CO2:This module focuses on the concepts of Multiplier, Accelerator and theories of trade cycles.

CO3:The students understand the concepts of Money and banking.

CO4:The students are taught the concepts of Inflation and Macroeconomic Policies.

B.Sc. Economics Sem. 3

Subject: Indian Economy

CO1: This module develops comprehension of the basic characteristics of Indian Economy, its potential & natural resources.

CO2: The students understand the respective roles of the public, private, joint, cooperative large, medium & small sectors for the development of industries in India.

CO3: This module develops critical thinking with respect to analysis and applications of innovative solutions to varied foreign trade issues and balance of payment.

CO4: Analyses causes and issues related to population growth and evaluation of economic planning.

B.Sc. Economics Sem 4

Subject: International Economics & Public Finance

CO1: The students are able to Identify the basic difference between inter –regional and international trade, understand how international trade has helped countries to acquire goods at cheaper cost and explain it through various international trade theories.

CO2: The students are learn to understand the importance of maintaining equilibrium in the balance of payments and suggest suitable measures to correct disequilibrium as well.

CO3: This module will evaluate the effects of public expenditure and public revenue policies on economy.

CO4: The students are able to understand the possible burden, benefits and distribution of various types of taxes among various classes of people; know the general trend and impact on general welfare and arouse them to suggest good and bad tax system; needs of public borrowings from all possible sources to meet necessary public investment/expenditure.

B.A./B.Sc. Economics Sem 5

Subject : Development Economics

CO1:The students study the Concept of Economic Development, measurement of economic development; Meaning of Underdeveloped Countries, its features; the concept of Social Dualism, Technological Dualism, Unemployment and Underemployment, Lewis Theory of Unlimited Supply of Labour and Sustainable Development.

CO2:This module includes various models of economic development like-Classical, Marxian, Schumpeter, Harrod-Domar and Solow.

CO3:The students study different theories of economic Development and Growth like- Rostow's Stages, Balanced Theory, Unbalance Theory, Big Push Theory and Critical Minimum Effort Thesis

CO4:This module includes the concept of capital formation and its role in the economic development of a country; techniques of production; Economic Planning-its meaning, types and importance for UDCs.

B.A./B.Sc(Economics) Sem. 5

Subject: Quantitative Techniques

CO1:Presents techniques of estimation, their application and steps involved in hypothesis testing.

CO2:Focuses on derivation of properties of Z, T, Chi Square and F distributions.

CO3:Relates to tests of significance based upon Z, T, Chi Square and F distributions.

CO4:Presents the theory and numericals based on ANOVA

B.A./ B.Sc. Economics Sem 6

Subject: Quantitative Methods

CO1:The students learn Sets, Relations and functions, Limits and continuity (Basic concepts), Derivative of simple functions only (excluding log & exponential functions). Maxima/Minima for single variable functions. Introduction to matrices - definition, properties & inverse.

CO2:The students use measures of central tendency — Mean, Mode, Median and Geometric Mean and Measures of dispersion for data analysis.

CO3:The students learn the concepts and measure of Skewness and kurtosis: Boyle's & Karl Pearson's measures. Simple correlation & regression

CO4:This module includes the concepts and methods of Interpolation & Extrapolation Binomial expansion, Newton and Lagrange's Method; Price Index Numbers—Weighted and Unweighted Index Numbers, various formulae and consistency tests.

B.Sc. Economics Sem 6

Subject: Quantitative Techniques

CO1:This module includes definition, nature and scope of Econometrics along with Simple Linear Regression Model.

CO2:The students are taught Properties of General Linear Regression Model.

CO3:The module describes the problems of Heteroscedasticity and Multicollinearity along with their solutions.

CO4:The students learn the problem of Auto-Correlation along with its solution. It also focuses on Distributed Lag Models.

Bcom Sem 1

Subject: Business Statistics

CO1:To develop the skill of using basic statistical tools to analyse, comprehend the economic information and illustrate appropriate conclusions through understanding scope of statistics; calculation of representative value through measures of central tendency

CO2:Analyses through measures of dispersion, control of variability and helpful in use of further statistical bivariate analysis in regression and correlation etc.

CO3:Interpret and use a range of index numbers commonly used in business.

CO4:Identifying various components of time series, fitting different time series models and appropriate probability distribution for a given discrete or continuous random variable and use its properties for business purposes.

B.Com. Sem 2

Subject: Business Economics

CO1:The students study the Important concepts and theories of consumer behavior including law of demand, elasticity of demand, Cardinal Utility Analysis, Ordinal Utility Analysis and Revealed Preference Theory.

CO2:This module includes how producers behave in different market situations and how they can maximize their production/ profit and minimize losses, both in the short run and long run.

CO3:The students study about three types of market structures- Perfect Competition, Monopoly and Monopolistic Competition and understand how price and output is determined in these types of markets.

CO4:The objective of this course to understand the concept of National Income, relationship among different concepts like GDP at market price, GDP at fixed cost, NDP, disposable income, etc.; along with various methods to measure national income and various subjective and objective factors determining consumption function.

B.Com. Sem. 3

Subject: Business Environment

CO1:The students are able to evaluate the legal, social and economic environments of business and will demonstrate sensitivity towards ethical and moral issues.

CO2:The students are able to understand the effects of government interventions in the macro economy.

CO3:The students learn to critically evaluate planning mechanism and various industrial policies.

CO4:The students learn to understand better protection of the interests of consumers and provision for establishment of consumer councils.

B.B.A. Sem. 1

Subject: Managerial Economics 1

CO1:Presents theory of demand and Laws of consumer behavior namely Law of Diminishing Marginal Utility and Law of Equi-Marginal Utility.

CO2:Focuses on Indifference Curve Analysis and theory of Supply.

CO3:Focuses on theories of Production, Cost and Revenue.

CO4:Describes the features of Perfect Competition, Monopoly and Monopolistic Competition along with equilibrium of a firm.

B.B.A. Sem. 2

Subject: Managerial Economics 2

CO1:Presents definition of Macroeconomics along with its basic concepts. It also explains the concept of National income and its measurement.

CO2:Focuses on Consumption Function along with their related concepts.

CO3:Describes the concepts of Investment, Multiplier and its types, and Keynesian Theory of saving and Investment

CO4:Presents the theories of trade cycles and Inflation.

B.B.A. Sem. 3

Subject: Statistics for Business

CO1:The students learn to perform the matrix operations of addition, multiplication and transportation and express a system of simultaneous linear equations in matrix form.

CO2:The students are able to develop the skill of using basic statistical tools to analyse, comprehend the economic information and illustrate appropriate conclusions through

understanding scope of statistics; calculation of representative value through measures of central tendency.

CO3:This module helps students to Identify various components of time series, fitting different time series models and helpful in use of further statistical bivariate analysis in regression and correlation etc.

CO4:This module helps students to Identify various components of time series, fitting different time series models and helpful in use of further statistical bivariate analysis in regression and correlation etc.

B.B.A. Sem. 4

Subject: Business Environment

CO1:The students are able to evaluate the legal, social and economic environments of business and will demonstrate sensitivity towards ethical and moral issues.

CO2:The students will understand the process of environmental scanning through ETOP&SWOT analysis; aspects of economic reforms.

CO3:This module is critically evaluated planning mechanism and analysis of social responsibility; ethics and audit.

CO4:The students are able to understand deficit financing and its implications; fiscal and monetary policy changes in India.

B.COM. (Financial Services) Sem.3

Subject: Business Economics

CO1:Presents theory of demand and theories of consumer behavior along with consumer equilibrium.

CO2:Focuses on theories of Production, Cost and Revenue.

CO3:Describes the features of Perfect Competition, Monopoly and Monopolistic Competition along with equilibrium of a firm.

CO4:Presents the theories of rent, interest and profit.

B.Com. (Financial Services) Sem.4

Subject: Business Economics

CO1:Presents definition of Macroeconomics along with its importance. It also explains the concept of National income.

CO2:Focuses on Classical and Keynesian model of Income and Employment, consumption function along with their related concepts.

CO3:Describes the concepts of Investment, Multiplier, and Accelerator.

CO4:Presents the theories of trade cycles, concepts of Inflation and Phillips Curve.

B.COM.(Financial services) Sem 5

Subject: Foreign Trade

CO1: Presents the concept of foreign trade with special reference to India's foreign trade in recent times.

CO2:Focuses on concepts of Globalization, Balance of payments and SEZs

CO3:Describes Explains in detail International organizations of WTO, World Bank and IMF

CO4:Presents the concepts of Commercial Policy and Rate of Exchange.

B.Com.(Financial Services) Sem.6

Subject: Indian Economy with special reference to Pb.

CO1:Focuses on Indian Agriculture along with role of WTO in the context of agriculture.

CO2:Focuses on Industry and its problems with special reference to Industry of Punjab.

CO3:Discusses Economic Planning with special reference to Punjab.

CO4:Presents the major economic problems like population explosion, unemployment, poverty and regional imbalance faced by our country.

B.Voc. (Data Science).Sem. 3

Subject: Business Economics.

CO1:The students are able to identify the major influences in consumer behavior and establish the relevance of consumer behavior theories and concepts to marketing decisions.

CO2:This module enables the students to understand how producers behave in different market situations and how they maximize their production.

CO3:The students identify three types of market structures; understand how price and output is determined in these markets.

CO4:The students are able to understand relationship among GDP, NDP, national income, disposable income with various methods to measure national income; subjective and objective factors determining consumption function.

B.Voc (Data Science) Sem. 5

Subject: Design of Experiment

CO1:The Students learn different techniques of data preparation, data screening, data transformation, data analysis and data interpretation in theoretical form to understand the role and effect of outliers, checking normalcy of data and checking of duplicity.

CO2:This module deals with literature review, its meaning, types, sources and objectives.

CO3:The students learn various measurement Concepts and levels of measurement to suit different types of information.

CO4:This part of module deals with different types of research designs which are applicable in different situations and different types of data like explorative, descriptive, diagnostic and experimental.

B.Voc (Health Care Management) Sem. 3

Subject: Health Economics

CO1:The students are able to Identify measures of individual health and concept of economic flows and economic units.

CO2:This module enables students to use a simple model of demand and different measures of price elasticity of demand.

CO3:The students learn to apply concepts of cost and production in the field of health care market.

CO4:This module enables students to understand cost and outcomes modeling techniques for economic evaluation.

B.Voc. Health Care Management Sem. 4

Subject: Making Decisions

CO1:The students will be able to understand the concepts of revealed preference and demand forecasting; indifference curve analysis

CO2:The students will learn to develop competence to apply concepts of production and returns to scale; optimal input combination relationships in the field of health care market

CO3:The students will be able to identify the profit-maximizing, sales maximizing growth maximizing and satisfying theory of a firm

CO4:To understand determinants of market structure and decision-making under risk and uncertainty.

M.Com. Sem. 1

Subject: Managerial Economics

CO1:Describes in detail the concept of Managerial Economics, Demand and Elasticity of Demand.

CO2:Focuses on Utility Analysis, Indifference Curve Analysis and Production Function

CO3:Relates to theories of Cost, Managerial theories of Profit maximization and Sales maximization. It also entails features and equilibrium under various markets like Perfect Competition, Monopoly, Oligopoly and Monopolistic Competition.

CO4:Presents the concept and theories of National Income, Inflation and Consumption function.

Subject: Statistical Analysis for Business

CO1:This module includes Probability Theory & probability models; Probability Distributions: Binomial, Poisson and Normal distributions, their characteristics and applications.

CO2:The students learn about Sampling and sampling methods; Sampling and non-sampling errors. Primary data collection techniques; Survey and Observation methods: Secondary data sources; Commercial and Non-commercial sources.

CO3:The students learn how to design a Questionnaire and understand the concept and importance of Hypotheses testing

CO4:This module includes Large and small sampling tests–Z tests, T tests, and F tests, ANOVA, and Chi-square test. Correlation Analysis: Simple, partial and multiple correlation coefficients.

M.Com. Sem. 2

Subject: Research Methodology

CO1:The students are able to understand various techniques of Research methodology: its nature and scope; problem formulation, statement of research objectives and the research process.

CO2:The students are able to comprehend the role of review of literature in research methodology, goals of a Literature Review. Types of Reviews, Sources of Research Literature and writing of review of literature. Types of Research designs: Exploratory, descriptive and Causal designs.

CO3:The students learn various Measurement concept and Levels of measurement—Nominal, Ordinal, Interval and Ratio; Attitude Measurement: Comparative and Non-comparative scaling techniques, Tabulation and cross-tabulation of data.

CO4:This module includes the meaning, difference and role of Data preparation, Data screening, Transformation of data, Data Analysis and Interpretation in research methodology and use different types of Data analysis techniques: Multiple regression analysis, Logistic regression analysis, Discriminant analysis and Factor analysis

Department Of Dance

B.A./M.A.

Indian Classical Dance (Kathak)

Program Outcomes

- The Indian classical form of dance plays a major role in education. There are many ways in which this style of traditional dancing can play a critical part in education. So, here is explaining the manner in which an Indian Classical Dance form can play a major role in education.
- Indian classical dance (kathak) is one of the oldest forms of Dance. Kathak is an amalgamation of the three performing arts – the music, the dance and the drama. The history and the evolutionary process of kathak are very interesting.
- Based on the mode of performance and usage, dance can be broadly classified under three main heads such as Nritya, Nritya and Natya.

Nritya: Nritya means pure dance, a presentation of rhythm through graceful movement of the body. It always reflects the mood, Bhava and Rasa underlying the compositions sung for dance. It is important for its pure beauty. Tala and laya are the basic concepts of nritya.

“Rasa bhaavaviheenaantu nrityamityabhidyate”

Nritya: Nritya consists of footwork and abhinaya. It relates to Rasa and psychological state. Angika abhinaya relating to Hasta, eyes, eye brows, lips etc. are very important in Nritya. It can be termed as the explanatory aspect of dance where hand gestures and facial expressions convey the meaning of the lyrics of the performing song. Bhava of the dancer is of prime importance in this so it can also be considered as the miming aspect of dance.

“Rasabhavavyanjanaadiyuktam nrityamityate”

Natya: Natya means abhinaya and it is the combined manifestation of bhava, rasa and abhinaya. The term natya is derived from the root Nat, meaning movement and to mean to dance or act. It can also be considered as the combination of Naya, isai and nataka, ie,

Literature, music and Drama. Thus Natya is telling the story through dance and music or laya and abhinaya or Nritya and Nritya.

“Natyam tannatakam chaiva poojyam poorvakathayutam”

- The course acquaints the students to learn the need and importance of theoretical & practical aspects of classical dance and also, to gain knowledge of historical, mythological and cultural aspects.
- Students acquire technical proficiency and artistic expression by performing selected choreography on stage. They learn how to effectively discern and interpret the various choreography stylistic demands; understand the auditions and the selection process.
- The implementation of Indian classical dance helps in becoming a good human being.
- Students are given practical training of classical, western and other famous global genres of dance.
- The course also helps students to acquire stage confidence, stage lighting management, make up, costume management and communication skills.
- With its graceful and rigorous dance moves, kathak has a plethora of mental and physical benefits.
- Plus, the art is all about story-telling through dance, so the dancer is expected to have proper coordination between his body parts and expressions, so they do justice to the narrative.
- The course provides ample amount of self-employment opportunities like owning dance institutes, dance teacher and lecturer, choreographers, dance directors and even as a producer in TV channel, event managers etc.
- After the post-graduation degree in classical dance, the students can opt for higher educations as well like Phd. They can join some govt. institutes such as kathak kendar delhi where they can teach different styles of indian classical dance.
- Body movement is an integral part of any Indian Classical Dance form.
- Kathak helps to stay fit and young forever. It improves memory by making us recall steps, routines and dance patterns. It also helps us to overcome stress and depression.
- It boosts our self-esteem.
- Classical dances of India are always spiritually in content.

- It caters detailed body parts. Practices such as hands, foot, eyes, neck, eye brows, arms, spine etc. in different manner with rhythm and other relevant exercises which helps in becoming fit and healthy.

Program Specification Outcomes

- **Performance:** Students will demonstrate artistic expression in classical dance by performing selected choreography on stage. They will:
 - a. Understand the rhythmic pattern.
 - b. Understand the roles of basic exercises, spacing, lighting, and dress rehearsals.
 - c. Come to know what they personally need to prepare for performance.
 - d. Apply makeup properly.
- **Technique:** Students will be demonstrated technical ability at a level to give audition for professional companies. Students will master the art of kinetic communication of classical dance and consistently demonstrate a sense of style, finesse, quality, attention to detail, clarity of movement, and artistic performing ability in class.
- **Composition/Choreography:** Students will demonstrate an understanding of the aesthetics of kathak. They will demonstrate:
 - a. Knowledge of different body structure.
 - b. Demonstrate the mythological stories on which “*gat bhav*” can be composed.
 - c. Inventiveness and creativity in movement material.
 - d. Integrity of artistic choices in composition.

Provides the learners with knowledge and skill needed to prepare for a professional career as a classical dancer. Through the various programs, they are trained to acquire different types of practice like basic of solving skills or choreography skill etc. Lecture demonstration, workshops and various performances motivates them to improve their passion. Composition and choreography sessions help them to update their knowledge which is required to face the challenges in their carrier

Course Outcome- BA (Indian Classical Dance-Kathak)

Semester-1 Indian Classical Dance (Kathak): Theory/Practical

CO1: It provides knowledge about the origin and development of Kathak Dance and also the definitions of the technical terms used in the dance form.

CO2: This course focuses on the study of Rasa and Bhava. Along with the importance of Dance in the Society.

CO3: It provides the knowledge about the culture of Punjab and their various types of Folk Dance. Knowledge about the layakaris and technical aspects of different terms.

CO4: Descriptive knowledge about technical terms of different talas. Knowledge of different nagmas on Harmonium. Performing various Tala with different technical aspects of classical Dance. This type of practice leads to better physical and mental health.

Semester-2 Indian Classical Dance (Kathak): Theory/Practical

CO1: It provides the knowledge of Bharatnatyam dance. Essential characteristics of Manipuri dance and definitions of technical terms.

CO2: Description of different body parts and its uses in dance.

CO3: Importance of Lehra/Nagma in Kathak Dance. Practical knowledge of Jhaptal in Classical dance.

CO4: Knowledge of historical background of Rajasthan and their folk dances. Description about notations of different talas and their practical performances.

Semester-3 Indian Classical Dance (Kathak): Theory/Practical

CO1: Characteristics of Kathak and Kathakali with music and costume. Sanyukta hastas with various uses in Kathak.

CO2: Folk dances of Uttar Pradesh. Life sketch of Uday Shankar and Guru Shambhu Maharaj Dance and other fine arts.

CO3: Various layakaries and technical terms of Ek taal, Sool taal. Notations of all Technical terms of Paranth.

CO4: To play Teentaal on Tabla. Play harmonium with bhajan

Semester-4 Classical Dance Kathak: Theory/Practical

CO1: It provides the knowledge of 3 Angas of Kathak. Different gharanas of Kathak with its characteristics. Knowledge of Odissi Dance.

CO2: Describe Bhramari and Utpalavan Bhedas according to Abhinay Darpan. Knowledge of folk dances. Contribution of Kathak Gurus: Birju Maharaj and Sundar Prasad.

CO3: Focuses on the knowledge of Dance and Religion and the role of dance in Indian Cinemas.

CO4: Performance of technical terms of Kathak in different talas. And do layakaris on hand.

Semester-5 Classical Dance Kathak: Theory/Practical

CO1: Students learn the detailed study of bharatnatyam and natvari nritya. They acquire knowledge of different types of bhava and its kinds.

CO2: Understand the knowledge of taal and its prans. Students gain knowledge about Himachal Pradesh folk dance and its music.

CO3: Students get to know about how to write notations of Tala's and its technical terms.

CO4: They learn how to demonstrate different laya-karies of various Tala's. Demonstrate technical terms on hands in prescribed Tala's.

Semester-6 Classical Dance Kathak: Theory/Practical

CO1: Students learn the detailed knowledge of Abhinaya.Kuchipudi dance style and its music

CO2: Importance of guru shishya prampara.Comparative study of Indian and Western dance.

CO3: They learn to demonstrate the thumari bhav. Students gain knowledge about folk dances of Haryana.

CO4: They get the ability to play tabla and harmonium.They learn how to demonstrate padhant of all technical terms in given Tala's.

MA (Dance) Semester-1

Paper 1: Historical & Theoretical Aspects Of

Indian Classical Dance:

CO1: Students get the knowledge of basic technical terms.They know about the detailed study of Tandava and Lasya. They learn about the study of Abhinaya Darpan Granth in the context of Dance.

CO2: They study Rasa and its relevance in dance.They understand Asanyukta and Sanyukta Hast Mudras with special reference to Abhinaya Darpan.

CO3: They get to know about the contribution of Uday Shankar in the field of dance.The various critical and Comparative study of classical dances.

CO4: The Study of Folk Dances of Punjab with their style, Costumes and Music.The relevance of Indian Classical Instruments in Dance. The place of dance in modern education.

Paper 2: Practical Composition & Essay

CO1: Critical and comparative study and notation of following taals in Ekgun, Dugun, Tigun, Chogun and kuaad & beaad layakarie.Role of laya & taal in dance.

CO2: Notation of the following Technical terms in Dance: Tatkar, Thaata, Salami, Amad, Paran, Chakkaradas Paran, Kavita Tihai, Tora
Role of Dance in Hindu Mythology.

CO3: Relation of Dance with Literature. Role of Dance in Society.

CO4: Contribution of Indian Cinema in promoting Indian Classical Dance. Contribution of Female dance exponents in promoting Kathak Dance with special reference to: Uma Sharmila, Sitara, Shovana Narayan, Damanti Joshi and Roshan Kumari
Dances of India (Brief Introduction)

Paper 3: Practical Stage Performance –1

CO: Students are required to give stage performance of 30 minutes in any taal of the course with Demonstration of different Layakaries:

- i. TATKAR
- ii. PALTAS
- iii. THAAT
- iv. AMAD
- v. PARAN
- vi. CHAKKARDAR PARAN
- vii. FARMAISHI PARAN
- viii. TISRAJATI PARAN
- ix. CHATUSH JATI PARAN
- x. TUKRA TORA
- xi. KAVITA
- xii. GAT NIKAS
- xiii. GAT BHAVA
- xiv. TARANA

Paper –4: Practical Approach Of Kathak Terminology – I (Viva Voce)

Course Outcome:

- Students will perform basic Talas on Hand and Tabla.

- They are required to give stage performance of 30 minutes in any taal of the course with demonstration of different Layakaries :

Teen taal, Basant Taal and Jhaptaal with the following technical terms of Dance: – Two Varieties of Tatkar, Thaata-I, Amad-I, Salami-I, Tehai-2, Tora-2, Paran-1 , Chakardaar Paran-1 and Kavit.

- They gain ability to perform dance in following Taals in term of Tatkar, Tehai and Two Toras :– Laxmitaal, Sooltaal.
- They learn to perform dance on any one of the following: Gat–Bhava:– Panghat Ki Chher–Chhar, Holi Leela
- Padhant of Kathak Terminology in prescribed Taals.
- The demonstration of Dugun, Tigun, Chogun& Aarh Layakaries on hands in prescribed Talas , to perform dance on the Tehai, Tukra's , Paran on bols recited by the examiner, to gain Nagma on Harmonium of teen taal, Basant Tala and Jhaptaal.
- They learn to play Thekas on Tabla of Teen–taal Basant Tala & Jhaptaal.
- They perform Layakaries such as 3/2, 2/3, 4/3, 3/4.
- Students perform any folk Dance of Punjab.

MA (Dance) Semester-2

Paper 1: Historical & Theoretical Aspects Of

Indian Classical Dance:

CO1: Students get the knowledge of Nritya, Nritya and Natya. They learn about Loka Dharmi/Natya Dharmi, Vrittis. They study the two streams (Pravaha) in the Kathak Dance Tradition i.e Mandir and Darbar.

CO2: Students acquire the detailed study of classical styles of Kathakali and Manipuri. Role of Dance in Hindu Mythology. They learnt detailed Study & Practical approach of following movements of different parts of body with special reference to Abhinaya Darpan

CO3: They get to know tole and relevance of Bhajan, Gazal and Thumri in Kathak Dance. They learn the comparative Study of different Gharanas of Kathak. They acquire

folk Dances of Himachal Pardesh with their historical background, styles, costumes and music etc.

CO4: They learn that the origin & development of Rang Manch (Stage) in special context of dance.They get to know Study of Bhavas. They understand the critical Study of Bharat's Natya-Shastra in the context of Dance.

Paper 2: Practical Composition & Essay

CO1: Critical & Comparative Study and Notation of following Taals: Ektal, Dhamartaal, Pancham Sawari, Chartaal, Ada Chautaal, Rupaktaal with Ekgun , dugun, Tigun, Chaugun, Aad and Kuaad layakaries. Detailed Knowledge of Notation system by Bhatkhande and Vishnu Digambar Paluskar.

CO2: Notation of the following Technical terms in Dance: Tatkar, Thaat, Salami, Amad, Paran, Chakkaradas Paran.Famaishi Paran, Tistrajati Paran, Tora, Kavit, Tehai and Palta in Ektaal, Dhamar taal and Pancham Swaritaal.

CO3: Relation of Dance with fine arts-Sculptures, paintings and also inscriptions about dance.Role of Krishana legend in Kathak.

CO4: Contribution of male exponents in the promotion of Kathak Dance with special reference to:- a) Birju Maharaj b) Rajender Gagnani c) Durga Lal d) Gopy Krishan e) Dr. Puru Dadich f) Kundan Lal Gagnani g) Kalika Prasad.Traditions & New Trends in Kathak.Short notes on the following Gayan shallyes 1. Dhrupad 2. Dhamar 3. Thumri

Paper 3: Practical Stage Performance -1

(Practical)

CO: Students are required to give stage performance of 30 minutes in any taal of the course with Demonstration of different Layakaries:

- a) TATKAR
- b) PALTAS
- c) THAAT
- d) AMAD
- e) PARAN
- f) CHAKKARDAR PARAN

- g) FARMAISHI PARAN
- h) TISRAJATI PARAN
- i) CHATUSH JATI PARAN
- j) TUKRA TORA
- k) KAVIT
- l) GAT NIKAS
- m) GAT BHAVA
- n) TARANA

- Demonstration and performance on Shalokas/Vandana and Bhajan incorporating Abhinaya with the understanding character.

Paper –4: Practical Approach Of Kathak Terminology – 2

(Viva Voce)

Course Outcomes

- Ektaal, Dhamar and Pancham Sawari
 - a. Two varieties of tatkar b. That –1 c. Amad–1 d. Salami–1 e. Tehai–1 f. Toras–2 g. Paran–1 h. Chatuastara Jati Paran–1 i. Kavita–1 j. Tisra Jati Paran–1 k. Farmaishi Paran–1 l. Chakardar Paran–1
- Ability to perform dance in the following Taals in terms of Tatkar, Toda and Tehai: i. Asht Mangal ii. Ada Chautal
- Ability to perform dance on any one of the following Gat Bhava: iii. Goverdhan Leela iv. Makhan Chori.
- Padant of Kathak Terminology in prescribed Taals.
- Demonstration of Dugun, Tigun Chougan & Aarh Layakaries on Hands Prescribed Taals.
- Ability to perform dance on Tehai, Tukra, Paran on Bols Recited by Examiner.
- Ability to play Nagma on Harmonium of Taal in Prescribed Syllabus ie Ektaal, Dhamar & Pancham Sawari.
- Ability to perform Layakaries of 3/2,2/3,4/3,3/4.
- Ability to play following Thekas on Tabla :- Ektala, Dhamar, Pancham Sawari.

- Ability to sing one folk song of Punjab.

MA (Dance) Semester-3

Paper 1: Historical & Theoretical Aspects Of

Indian Classical Dance- 3:

CO1: Students learn the origin, development and revival of Kathak. They study of Abhinaya and its BHEDHAS. They learn the study of Lok Natya with special reference to Dance –Nautanki, Yakshagana, Chhau, Swang, Bhavai.

CO2: The study of Chari and its different kinds. They get to know about the detailed study of Kuchipudi and Mohiniattam. They understand the Bharamari, Sthanak and Utpalavan Bhedas according to Abhinaya Darpan

CO3: The study of origin and development of Ghungroos with its use, function and importance in Kathak. Understands the contribution of the following exponents/Gurus of Kathak :- a Guru Shambhu Maharaj Ji b Guru Narayan Prasad Ji c Guru Sunder Prasad Ji e Guru Bindadin Maharaj Ji

CO4: The role of patrons like Wajid Ali Shah to Kathak 10. Tradition and transition of the Tawaif legacy. Folk Dances of Haryana with their style, costumes and music. Relation of dance with Drama/Theatre

Paper 2: Classical Dance Kathak: Theory & Composition - 1

CO1: Students learn about the relation between Raas leela and Raas Nritya. The detailed Study of Nayak– Nayika Bhedas in Dance. The detailed Study of Poorva Rang and Pindi Bandh.

CO2: They learn about the contribution of Indian dance toward world culture. They study the impact of Indian mythology on Indian Dance.

CO3: Notation in Following Taals :

- a. Teen Taal : One Uthan, Two Thaats, Two Tehais(Damdar and Bedam), One Amad, Two Tukras, Two toras, Two Chakkaradar Toras, One Simple

Paran, One Chakkardar Paran, One Pharmaishi Chakkaradar Paran, One Kavita, One Parmelu, and One Tiserjati Paran.

- b. Raas Taal : One Uthan, One Thaat, One Tehai One Amad, One Tora, One Paran, One Chakkardar Paran, One Kavita, and One Ganesh Paran.
- c. Shikhar Taal : One Uthan, One Amad, One Thaat, One Tora, One Paran, One Chakkaradar Paran, One Kavita and One Tipalli.

CO4: Bol Banavat : Composition of any dance bols given in the following Taals: Raas Taal, Teen Taal , Shikhar Taal.

Paper 3: Classical Dance Kathak Stage Performance – 3

(Practical)

CO: Candidates are required to give stage performance of 30 minutes in any taal of the course with Demonstration of different Layakaries :-

TATKAR, PALTAS, THAAT, AMAD, TUKRA, TORA, PARAN, CHAKKARDAR PARAN, FARMAISHI PARAN, TISRAJATI PARAN, GAT NIKAS, GAT BHAVA, TARANA. They learn Thumari, Kavita, Sloka or Vandana, incorporating abhinaya with the understanding of characters.

Paper 4: Practical Approach Of Kathak Terminology – 3

(Practical Test & Viva-Voice)

CO: Candidates are required to give stage performance of 30 minutes in any taal of the course with Demonstration of different Layakaries :- 1. Practical demonstration and Padhant of the following technical elements in the given Taals:

- (1.) Teen Taal: One Uthan, One Thaat, One Tehai, One Amad, One Tora, One Tukra, One Chakkaradar Tora, One Simple Paran, One Chakkardar Paran, One Pharmaishi Paran, One Kavita, One Tiserjati Paran and four kinds of Paltas with Tihai.
- (2) Raas Taal : One Uthan, One Amad, One Thaat, One Tihai, One Tora, One Simple Paran, One Chakkardar Paran, One Kavita and One Ganesh Paran.

(3) Shikhar Taal : One Uthan, One Amad, One Thaat, One Tora, One Paran, Chakkaradar Paran, One Simple Paran, One Kavita and One Tipalli. They play Theka of Teen Taal and Jhaptaal on Tabla. They learn the ability to Play Nagma on Harmonium in Teen Taal and Raas Taal. Practical Demonstration of Technical Elements only & The Systematic Stage Performance of Kathak in Teen Taal. Practical demonstration of Folk Dances of HARYANA. Demonstration of Aarh & Kuarh Layakaries on hand.

Semester-4

Paper 1: Essays On Indian Dance & Research Methodology:

CO1: Students learn the meaning, Scope and Types of Research in Music. They get to know the priority areas of research in music

CO2: Understand the concept and Pre Requirement of Selection of a Topic. Students prepare Synopsis and Research Proposal.

CO3: They learn interrelationship study of Yoga And Dance. Understands the contribution of the following Dance Scholars to Indian Classical Dance : Bharata , Nandikeshwara & Sharangdeva.

CO4: Role of Music (Vocal and Instrumental) in Kathak Dance. Role and relevance of Cosmetology in Stage Performance of Dance.

Paper 2: Classical Dance Kathak: Theory & Composition – 2

CO1: Students learn the contribution of Indian Dances to Indian Cinema. Study of ballet & its kinds.

CO2: They acquire the comparative study of Raas Leela & Raas Nritya. Understands the contribution of Following Kathak exponents : a) Guru Rajinder Gangani b) Pt. Tirath Ram Azad c) Guru Shovana Narayan.

CO3: Notation of following Taals with their Dugun, Tigun, Chaugun , Arh, Kuarh and Viarh Layakaries : Teen Taal, Rudra Taal, and Sawari Taal. Writing of Layakaries 3/4 , 6/5, 7/8 , 5/3, and 5/7 in Teen Taal, Rudra Taal, and Sawari Taal. Detailed introduction of

following Taals : Teen Taal , Rudra Taal, Sawari Taal, Raas Taal, Shikhar Taal, Deep Chandi and Jhumra Taal.

CO4: Notation in Following Taals : i) Teen Taal : One Uthan, Two Thaats, Two Tehais (Damdar and Bedam), One Amad, One Simple Paran, One Chakkardar Tora, One Kavit, One Parmelu, One Tiserjati Paran and One Tipalli. ii) Rudra Taal : One Thaats, One Amad, One Tehai, One Paran, One Chakkardar Paran, and One Shiv Paran. iii) Swari Taal : One Uthan, One Amad, One Thaats, One Tora, One Paran, One Chakkardar Paran, One Kavit and Pharmaishi Paran. i) Bol Banavat : Composition of any dance bols given in the following taals : Rudra Taal , Sawari Taal, Raas Taal. ii) Taal Pehchan: Recognition of the following taals through given bols : Raas Taal, Shikhar Taal, Rudra Taal, Sawari Taal and Jhumra Taal. Knowledge of following Mythological stories on which Gat Bhava can be composed : a) Draupadi Chir Haran b) Vishwa Mitra Menka.

Semester-4

Paper 3: Classical Dance Kathak Stage Performance – 4

CO: Candidates are required to give stage performance of 30 minutes in any taal of the course with Demonstration of different Layakaries :-

Students learn the systematic performance of Kathak Dance depicting following elements in any one of the following Taals : Rudra Taal, Sawari Taal, Raas Taal, Shikhar Taal and Teen Taal. a) Uthan, Stuti , Technical Elements in Vilambit Laya, Madhya Laya, Dhrut Laya and Gat Nikas. b) Performance of Tarana composition or Sargam based composition. Demonstration of Gat Bhava– Kalia Daman. Practical Demonstration of any one of the following through facial expression, movements of body and gestures: Ghazal, Bhavang based on Sufi Gayaki .Demonstration of Nayak– Nayika bhedas.

Paper 4: Practical Approach Of Kathak Terminology – 4

(Practical Test & Viva-Voice)

CO: Candidates are required to give stage performance of 30 minutes in any taal of the course with Demonstration of different Layakaries :- 1. Practical demonstration and Padhant of the following technical elements in the given Taals:

(1.) Teen Taal: One Uthan, One Thaata, One Tehai, One Amad, One Tora, One Tukra, One Chakkaradar Tora, One Simple Paran, One Chakkardar Paran, One Pharmaishi Paran, One Kavita, One Tiserjati Paran and four kinds of Paltas with Tihai.

(2) Raas Taal : One Uthan, One Amad, One Thaata, One Tihai, One Tora, One Simple Paran, One Chakkardar Paran, One Kavita and One Ganesh Paran.

(3) Shikhar Taal : One Uthan, One Amad, One Thaata, One Tora, One Paran, Chakkaradar Paran, One Simple Paran, One Kavita and One Tipalli. They play Theka of Teen Taal and Jhaptaal on Tabla. They learn the ability to Play Nagma on Harmonium in Teen Taal and Raas Taal. Practical Demonstration of Technical Elements only & The Systematic Stage Performance of Kathak in Teen Taal. Practical demonstration of Folk Dances of HARYANA. Demonstration of Aarh & Kuarh Layakaries on hand.

Semester-4

Paper 17: Research Project – 4

CO:

The subject focuses on learning about the research types, concept and preparation of synopsis and research proposal.

Bachelor of Vocation (Contemporary Forms of Dance)

Contemporary dances bring out the quintessential cultural ethos of diverse regions. The programme offers training in the advance level of contemporary forms (Aerial, Ballet, Latin, Western, Modern and Indian) and provides a holistic and integrated approach to global performing arts through theory courses. This is an innovative program from Apeejay that follows a blended learning approach and uses technology enabled learning support platforms for programme dissemination and evaluation.

Program Outcomes

Contemporary dance is a broad genre of western concert or theatrical dance which included dance styles such as ballet, folk, ethnic, religious, and social dancing. The historical roots of the contemporary dances are very interesting. The students will learn the following structure in this course

- Brief study of origin & techniques of contemporary dance.
- Brief study of Western dances i.e. Hip-hop, Bollywood, jazz, lyrical, break dance.
- Brief study of basic music patterns or taals.
- Learning the freedom of expressions in contemporary forms of dancing
- Comprehensive study of contemporary dances
- Knowledge of creative and narrative elements
- Practical approach to the fitness through different aspects of dance
- Brief study of improvisation and movement analyses
- Understanding the role of choreographer and social relevance of dance
- Brief knowledge to critically analyse the dance performance
- Practical approach to learn the choreography skills
- Advance study of latin dances that includes (salsa, rumba , ch-cha-cha, paso-doble etc.

- To impact and create a holistic knowledge based on Contemporary Forms of Dancing.
- To improve cultural sensitivity and develop cultural ethos of diverse regions.
- To impart strong and solid basic and advance practical training in dance.

Program Specific Outcome

PSO1-This course will give an extensive knowledge of different aspects of Contemporary Dance both theoretical and practical.

PSO2-the study of biographical sketch of Eminent artists and their contributions in the field of dance will definitely inspire the students to establish themselves as a choreographer, dancers.

PSO3 – proficiency in different dance form will enhance the knowledge of students.

Semester-I

Introduction to Contemporary Dance

CO1 – discourse throws a light on the history, origin of contemporary dance and brief study of techniques and trends in Contemporary Dance have been covered.

CO2- This Comprises classification of Ballet along with the study of modern dancers and how it is different from Contemporary Dance.

CO3- A brief study of jazz dance and its types as well as study of musical theatre dance and its relevance in dance industry to be learned by the students.

CO4- Knowledge of various western dances form that is tap dancing, hip-hop, Lyrical, breakdance and Bollywood is given to the learner.

Contemporary dance techniques

Practical – in this course importance of music and rhythm will be covered along with the Practical knowledge of stage and its proper utilisation. Practical understanding of relaxation and freedom ability to recitation of basic rhythms Talas On hand will also be covered.

Movement and gesture

Practical – in this course basic movement and gestures that is hand movements, Foot movements, facial expressions and overall body gestures will be given to the learners.

Semester-II

Dance as a form of art

CO1 This course throws a light on the knowledge of creative dance with its elements. Dance as a form of communication will also be covered in the courses.

CO2 - this comprises with a comprehensive study of dance as a form of art along with the role of aesthetic's and behavior in dance.

CO3- A brief study of importance of timing and energy in Dance as well as justification of freedom of expression in Contemporary Dance will be taught to the students.

CO4- Discourse reflects the importance of rhythm in dance and purpose of dance in different aspects of light.

Movement and gestures

Practical – in this course practical study of elements of dancing that is body action space timing energy will be given to the learners as well as importance of rhythm and practical demonstration of basic Rhythm talas on hand will also be covered.

Fitness through dancing

Practical – in this course brief study of Aerobics with practical approach will be covered. as well as Bhangra rhythmic exercises through dance relaxing through dance and practical demonstration of body toning will be covered.

Semester-III

Analytical study of Contemporary Dance

CO1 - This course throws a light on the improvisation and its various techniques. The study of movement analyses will also be covered in this module.

CO2- This comprises with a brief study of narrative elements of dancing along with the study of analyse and evaluate the dance performance.

CO3 -In this module the students will learn how to critically analyse a dance performance along with the study of understanding choreography with the choreography tools.

CO4- Knowledge of role of Choreographer along with the responsibilities of Choreographer is given to the learner and social relevance of dance is also included in this module.

Choreographically Skills

CO1- In this course different techniques to compose the dance along with the leadership creativity and discipline will be given to the learners. Practical approach to the musical choreography and knowledge and understanding of range of different dance styles.

Practical – in this course practical approach to hip-hop dance style will be covered which includes

Breaking, Locking, Popping, Freestyle, Wacking etc.

Practical-in this course knowledge of voice training as well as fundamental of western music along with one light composition in vocal music will also be covered

CO2- In this course knowledge of playing techniques of selected instruments as well as practical understanding of notation and rhythms along with one composition and keyboard will be delivered

Semester-IV

Study of Latin American dances

CO1- Discourse throws light on the history and origin of Latin American dance is along with the study of latin folk dances. Study of ballroom dance will also be covered in this course.

CO2- This module comprises with a brief study of Chachacha dancing, Rumba Dancing, Samba dancing.

CO3 - Brief study of passadoble and salsa dance will also be covered in the course.

CO4- Brief study of Merengue and Bachata Dance form along with the different techniques and trends will be covered in this module.

Stage performance skills

Practical-in this course importance of rhythm costume make up and props will be covered. Practically covered the concept of lights and sound. Brief study of stagecraft will also be covered.

Salsa dancing form

Practical – in this course practical demonstration of salsa dancing using different techniques will be covered. How to avoid injuries with a partner as its partner dance and how to create your own style, how to move with the grace will also be covered.

Practical – in this practical training of voice for Dance as well as singing for individual and group dance performance along with the poetic composition will be delivered.

CO- In this course various instruments and their role in Dance as well as various rhythm along with the simple instrumental composition and rhythm and Dance will be covered.

Semester-V

Dance fusion – An inter-relationship study

CO1- This course describes all about the fusion Dance along with the different techniques of fusion dance form. Different trains and teams will also be covered in this module.

CO2- Brief study of inter-relationship

Salsa with classical

Jazz with hip-hop

Sufism with Contemporary

Yoga with Zumba

Will be covered in this module.

Practical – in this course practical demonstration of fusion dance theme and music will be covered. As well as practical performance of inter-relationship of salsa with classical, jazz with hip-hop, Sufism with contemporary, yoga with Zumba will be given to the students.

Theoretical survey of Sufi dancing

CO1- Discourse throws light on the life sketch of Hazrat Inayat Khan which covers his life as poet mystic and musician. Study of teachings of Inayat Khan and reflections on dance by Hazrat Piro Murshid Inayat Khan will also be covered in this module.

CO2 - brief study of Sufi dancing as healing therapy and demonstration of Sufi dances in film music will also be given to the learners.

Practical approach to Sufi dancing

Practical-in this course different types of Sufi dancing will be covered. Along with the teachings, poems and some musical songs or composition of Hazrat Piro Murshid Inayat Khan will be covered. as well as Sufi dance as healing therapy will also be covered in this module.

Advance study of Contemporary Dance

Practical-in this course practical demonstration of Sufi dance as well as yoga, music and dance depicting an inter-relationship will be covered. As well as role of Dance in personality development will be covered. Theatre and stage craft and also be conducted in this module. Advanced study of Contemporary dances and it's techniques will also be covered in the module.

Yoga through dancing

Practical-in this course role of music and dance in yoga will be covered. Along with the 64 Yogini's asanas as well as yoga and anatomy of human body will be covered. This course also covers the role of meditation illustration in Dance as well as body of flexibility, Pranayam's and exclusive exercises of dance and fitness through practical demonstration.

Semester-VI

History of Indian ballet dance

CO1- This course throws a light on the origin and development of western ballet. As well as the study of ballet in various cultures and study and survey of different Ballet of Pandit Uday Shankar.

CO2- Historical study of origin and development of traditional Indian Ballet as well as indigenous Ballet with illustrations and modern Ballet illustration will be given to the learners

Theoretical study of Raqs Sharqi

CO1- Discourse throws light on the introduction, history and evolution of belly dancing. Rhythmic structures and techniques and movement of belly dancing will be covered in this unit.

CO2- Brief study of customs of Egypt, Lebanon and Turkey style of belly dancing. Study of tribal costumes will be also included. As well as the study of belly dancing in popular culture and how belly dance can affect our health will also be given to the learners.

Practical – in this course rhythmic structures of belly dancing will be covered. As well as the techniques and different movement along with the knowledge of customs will be covered.

Stage performance Contemporary Dance

Practical – in this course practical demonstration of Contemporary Dance by using all the techniques that has already covered in previous semesters will be covered. As well as yoga asanas relating to dance along with the knowledge of make up costumes that will be used in Contemporary Dance will also be covered in this module.

Portfolio Development

Practical – in this course development of portfolio will be covered along with the preparation of Resume will be covered. As well as practical demonstration how to record the performance and making and presenting of Show reel will be covered.

Department Of Music

BA Music Instrumental

Program Outcome

- Students will be studies about the theoretical aspects of the prescribed ragas & talas.
- Students will be understanding the basic language of Indian music.
- Students will be studies about the life sketches and contribution of the music scholars.\
- Students will be learning about the music from Vedic period to Modern period.
- Students will be studies about the Gharanas of Hindustani music.
- Students will be studies about the classical music, folk music & light music.

Program Specific Outcomes

PSO-1 This course will give an extensive knowledge of different aspects of Hindustani music both theoretical and practical.

PSO-2 The study of Biographical sketches of eminent artists and their contribution in the field of music will inspire students to establish themselves as a musician, composer or musicologist.

PSO-3 Students learn the art of playing different instruments i.e. Sitar, Guitar, Keyboard and Tabla and their basic techniques which would prove to extend the knowledge to coming generation by opening their own Academy.

PSO-4 Proficiency in many Ragas and Talas will enhance knowledge of students.

Course Outcomes

Ba Music Instrumental (Sem. I)

Theory

CO1: This course throws a light on historical development of instruments and provides

knowledge of basic musical terms – Aroh, Avroh, Pakar Swar, Saptak, Shruti, Thaat .

CO2: This course explains the meaning of Raga and its Jaties, Laya, Taal and their types. It also includes the Biography of Ustad Allaudin Khan and Vishnu Narayan Bhattacharya.

CO3: Descriptions and notations of Raga kalyan and Raga Bhupali along with Dadra and Teen

Taal in ekgun and dugun layakaries are to be learned by the students

CO 4: Students acquire the knowledge of Raga, Mohalla, Rahao in the context of gurmat

sangeet and contribution of Guru Arjun Dev Ji.

PRACTICAL

CO1: In this course there are ten alankars based on Bilawal That along with Razakhani gat of rag Bhupali and Kalyan and Jhalla. It also includes the ekgun and dugun of Dadra and Teen Talas on hand.

BA Music Instrumental (SEM. II)

THEORY

CO1: This course throws a light on the history of Vedic Period and definition of Bols of

Mizrab, Maseetkhani gat, Razakhani Gat, Vadi, samvadi, Poorvang and utrang have been covered.

CO2: This comprises classification of instruments along with the biography of Smt. Annapurna

Devi and Ustad Vilayat Khan and also provides the knowledge of Alap and Jod.

CO3: Description and notation of Raga Bhairavi, Kafi and Bageshwari as well as Ekgun and

Dugun layakaries of kehrva and Rupak Talas are to be learned by the students.

CO4: Knowledge of different instruments used in Gurmat Sangeet i.e. Rabab, Dilruba, Sararda is given to the learners and contribution Of Bhai Mardana is also included.

PRACTICAL

CO1: In this course there are 10 alankars to be played on a string instrument and on Harmonium. One Maseetkhani and two Razakhani Gats with Toras and Jhala on sitar or Guitar are to be played by the students. It also Includes a Dhun on a string instrument and dugun layakaris of Taal Kehrvaa and Rupak on hand.

B.A Music Instrumental (SEM.- III)

THEORY

CO1: This course throws a light on the historical development of Indian Music during medieval period i.e. from 12th to 15th century. Also, it covers the study of ‘Naad’ and technical terms such as Meend, Ghaseet, Kan, Krintan and Khatka.

CO2: Explains the techniques and methods of tuning ‘Sitar’ instrument and also comprises with biographical study of eminent Sitar Maestros “Ustad Inayat Khan” and “Ustad Abdul Halim Zafar Khan”.

CO3: Comprises of Description and notation of the prescribed Ragas: Bhimpalasi, Asawari and Des. Also it includes brief knowledge of Ragas Kafi, Jaunpuri, Sorath and talas ‘Ektal’ and ‘Sooltaal’.

CO4: Explains the Classification of instruments used in Gurmat Sangeet. Covers the contribution of Guru Arjun Dev ji towards Indian Music.

Practical

CO1: Covers ability to play 10 Alankars on Sitar in the Swaras of thaat Kafi, one Maseetkhani

Gat and one Razakhani Gat in the Ragas prescribed in the course: 'Bhimpalasi', 'Asawari' and 'Des', Ability to recite talas on hand such as 'Ektaal' and 'Sooltaal' in ekgun and dugun layakaris, ability to play theka in 'Rupak' tala on tabla, ability to sing a cinematic song with any instrument and brief knowledge of the non-detailed ragas: Kafi, Jaunpuri and Sorath.

BA Music Instrumental (SEM.- IV)

Theory

CO1: This course throws a light on the Historical development of Indian music during medieval period and the formation of 484 ragas.

CO2:. This provides knowledge of Shuddh Sankiran, Chhayalag, Ashrya and Janya ragas along with the contributions of eminent musicians. This also includes the importance of Adhwadarshak Swara in music.

CO3: Description and notation of three prescribed ragas and knowledge of three non detailed ragas.

CO 4: This comprises of brief knowledge of various talas. Importance of instrumental music in Gurmat sangeet and provides knowledge of folk singing styles used in Gurmat sangeet.

Practical

CO1: In this course there are 10 basic alankars to be played on string instrument along with masitkhani Gat with Todas and Jhala. Not only this, students have to play two talas in their ekgun and dugun layakaries. This also includes a gat to be played in chautal.

BA Music Instrumental (SEM.–V)

Theory

CO1: Put light on the development of Music during modern period. Includes Comparative study

of Avirbhava & Tirobhava with illustrations and Relevance of time theory in Music.

CO2: Includes Life & Contribution of the renowned eminent musicians ‘Pt. Ravi Shankar’

(Sitar), ‘Ustad Bismillah Khan’ (Shehnai). Also comprises of the study of Electronic

Musical Instruments.

CO3: Comprises of the detailed description of the prescribed Ragas ‘Darbari Kanrha’, ‘Todi’,

‘Puriya Kalyan’(with Notations) , Knowledge of the Ragas: ‘Multani’, ‘Adana’, ‘Puriya

Dhanashri’ and Talas: ‘Deepchandi’, ‘Tilwara’.

CO4: Includes study of Kirtan Chowkies in Gurmat Sangeet and Inter -relation between folk & classical music.

PRACTICAL

CO1: Comprises of ability to play 10 Alankars on Sitar in the Swaras of Asawari That, One Maseetkhani gat in any Raga prescribed in the course i.e. ‘Darbari’, ‘Todi’ and ‘Puriya Kalyan’, one Razakhani Gat in each Raga prescribed in the course, brief Knowledge of non–detailed Ragas: ‘Puriya Dhanashri’, ‘Adana’ and ‘Multani’, ability to recite talas ‘Deepchandi’, ‘Tilwara’ with single & double layakaries on hand, ability to play theka of Jhaptaal on Tabla, ability to

play one gat in Ektaal in any Raga prescribed in the Course and ability to sing national anthem with any instrument.

BA Music Instrumental (SEM.–VI)

Theory

CO-1 This course provides the knowledge and awareness about the role of media in Indian music along with short description of Kan, Baaj, Jamjama, Murki used in practical.

CO-2 Study the life and contribution of Pt. Nikhil Banerjee and Pt. Panna Lal Ghosh and along with the knowledge of formation of 72 thatas by Pt. Vyankat Mukhi.

CO-3 This course throws the light on relation of Raga with season and time. It also includes the study of Sahayak Naad as well as description and notation of Hameer, Viandavani Sarang and Bhairavi Ragas.

CO-4 Description and notation of Jhumra and Dhamar talas with ekgun and dugun layakaries. It also comprises salient features of Gurmata Sangeet.

Practical

CO1: This course includes ten alankars based on Bhairvi That, one maseetkhani gat and three Razakhani GATS with alap, toras and Jhala and also play three non-detail ragas on string instrument. Students have to play talas on hand with ekgun and dugun layakaries. This also includes to play one dhamar style gat and one folk dhun on sitar or guitar.

MA Sem.1 (Music Inst.)

Programme Specific Outcomes

- PSO1:** This course prepares the students to go through the theoretical aspects and know the depth of Indian classical music.
- PSO2:** Knowledge about Gharana and its system adopted in Indian classical music enable the students to understand the training of music in Gharana system and educational institutions.
- PSO3:** Students are able to understand the terminology and musicology of Guru Granth Sahib.
- PSO4:** Students are able to understand the research methodology for the preparation of research projects.
- PSO5:** This course help the students to qualify the UGC/JRF exam.
- PSO6:** Students are being taught nuances of different genres of instrumental music with its benefits and importance.

Course Outcomes

Paper I (Theoretical Survey Of Indian Music)

- CO1.** This course introduces the main technical terms of music i.e., Meend, Krintan, Ghaseet etc and provides the knowledge of Gayki and Tantarkari ang which are the two main style of playing instrumentalist. It also ncludes the importance of swarit and swar samvad in music.
- CO2** Emphasis is given on study of Nad and Sahayak Nad, Classification of Indian Musical instruments and Comparative study of Uttariand Dakshini Music system.
- CO3** Enlightens the Comparative study of Bhatkhande and Vishnu Digamber notation system along with the use and importance of Indian Musical Instruments in Dance.
- CO4** This course describes the inter relationship of Music with Fine Arts and Psychology.

Paper II (Historical Study Of Indian Music)

CO-1 This course reflects the origin, development and importance of Sitar and depicts true picture of contribution of eminent sitarist. It also includes the historical development of orchestration.

CO-2 Focuses of main Gharana of Instrumental Music and how the education institutions played a significant role for promoting music after independence. It also provides the knowledge of Folk Instruments of Punjab.

CO-3 Throws a light on historical development of solo instrumental tradition as well as comparative study of various Baj used in Indian Instrumental Music.

CO-4 This course presents the experimental work done on placing Swaras on veena by our great musicologist and describes the importance of Time Theory of Indian Music.

Paper-III (Stage Performance)

CO-1 Playing of String Instrument in its proper vadan shalli including Alap, Jor, jor-jhalla, Maseetkhani Gat, Razakhani Gat, Toras and Jhalla.

CO-2 Basic training of Alankars based on different bols of Mizrab.

CO-3 One gat in any Tal other than Teen Tal.

CO-4 Performance of one Dhun based on any Raga.

Paper IV (Critical and Comparative study of Ragas) Viva-Voce

CO1: This course focuses on playing two Maseetkhani Gats along with five Razakhani Gats to be played in proper style of vadan.

MA Sem- II

Paper V (Aesthetic Study Of Indian Music)

CO 1 It comprises of meaning, definition, principles of aesthetics in the context of music and

its influence and impact of Aesthetical elements in music performances.

- CO2.** It describes about Nayak Nayika bhed and the relevance of Raga Ragini chitran in strengthening the relationship of ragas with emotions and also provides the knowledge of Rasas aroused by ragas.
- CO 3.** Throws a light on the relation of raga with season and time, creativity and improvisation as well as impact of Indian musical instruments especially Sitar, Sarangi, Flute, Shehnai, Flute ,Violin Tabla in Film background music.
- CO 4.** Emphasizes on Aesthetic evaluation of ragas having same notes and the role Taal in generating aesthetics in music.

Paper VI (An Analytical Study Of Granthas)

- CO1 :** This course throw the light of various Granth has written by eminent musicologists (Ancient to Modern period) who have played the major role for theoretical study of music.

Paper VII (Stage Performance)

- CO-1** Playing of String Instrument in its proper vadan shalli including Alap, Jor, jor-jhalla, Maseetkhani Gat, Razakhani Gat, Toras and Jhalla.
- CO-2** Playing of basic Alankars based on Rag Kafi and Asawari That.
- CO-3** One gat in any Tal other than Teen Tal.
- CO-4** Performance of Punjabi folk Dhun based on any Raga.

Paper VIII (Critical and Comparative study of Ragas) Viva-Voce

- CO1** This course focuses on playing two Maseetkhani Gats along with five Razakhani Gats to be played in proper style of vadan and comparison with another ragas.

MA Sem- III

Paper IX (Scientific Study of Indian Music)

CO1 This course provides an extensive knowledge of musicology under which comes the importance of creativity, accompaniment, importance of the tihai, imitation, aptitude and interest. This also includes the historical development of percussion instruments and their importance in music. Understanding of producing sound in various stringed instruments used in classical music.

CO2: This course covers the various aspects of music like role of melody and harmony, mood and expression as well as the correct intonation of swaras, correct use of swaras in various Ragas for giving an impactful performance.

CO3: Describes the use of mathematics in music and the significant role of laya in Vadan shallies.

CO4: Main focus is given on the music criticism and appreciation as well as the relation of music with allied Sciences.

PAPER X (Music As A Commercial Art)

C.O. 1. Describes the various methods of teaching instrumental music along with the help of audio video AIDS and throws a light on background instrumental music in the form of music arrangement.

C.O.2 Main focus is on the role of vocal music in various commercial and musical compositions of instrumental music. It also includes job oriented fields in instrumental music and role of multimedia in promoting Indian classical music.

C.O.3. Emphasizes on the basic principles for folk orchestra and Indian orchestra as well as describes the importance of processing sound library.

C.O 4. This covers the art of sound recording and sound techniques along with the roll of All India Radio in promoting Hindustani instrumental music

Paper XI. Stage Performance

CO-1 Playing of String Instrument in its proper vadan shalli including Alap, Jor, jor-jhalla, Maseetkhani Gat, Razakhani Gat, Toras and Jhalla.

CO-2 Ten Alankars based on That Bhairav, Bhairvi and Kalyan on instrument.

CO-3 One gat in any Tal other than Teen Tal.

CO-4 One Gat in chautal (Dhrupad Style) with different Laykaries.

Paper XII (Critical and Comparative study of Ragas) Viva-Voce

CO1: This course focuses on playing two Maseetkhani Gats along with five Razakhani Gats to be played in proper style of vadan and comparisons with another ragas.

M.A. Sem IV

Paper XII (Gurmat Sangeet)

CO.1. This course provides the knowledge of Technical terminology and musicology of Shri Guru Granth sahib along with the Contribution of Sri Guru Nanak Dev ji and Sri Guru Gobind Singh ji towards music.

CO. 2. This describes the significance of tanti saaj in the context of Gurmat Sangeet: Rabab, Saranda, Taus, Dilruba ,Israj. It also includes the study of classification of ragas in Sri Guru Granth Sahib ji.

CO.3. Throws a light on the elements of Classical and Folk music in Gurmat Sangeet as well as the contribution and Biography of Bhai Mardana, Mahant Gajja Singh, Sant Sarwan

Singh Gandharv.

CO .4. Describes various keertan trends of Gurmat as well as Dhaadi and kavishar tradition of Gurmat Sangeet.

Paper XIV (Essays On Indian Music And Research In Music)

CO.1 Describes the meaning, scope and types of Research in music and Priority Areas of Research in music.

CO. 2. Focus is on the Concept and pre requirement in selecting a topic and preparation of synopsis and Research Proposal.

CO. 3 .Describes the interrelationship study of Music &Yoga as well as Music and Mass Media.

CO.4 Interrelationship of Music and Physics as well as Music with Theatre

Paper XV (Stage Performance)

CO-1 Playing of String Instrument in its proper vadan shalli including Alap,Jor, jor-jhalla, Maseetkhani Gat,Razakhani Gat,Toras and Jhalla.

CO-2 Alankars based on Marwa ,Poorvi and Todi Thaata.

CO-3 One Thumari in rag Bhairvi.

CO-4 The comprises of basic Talas to be played on both Tabla and hand with ekgun and dugun layakaries

Paper XVI (Critical and Comparative study of Ragas) Viva-Voce

CO1: This course focuses on playing two Maseetkhani Gats along with five Razakhani Gats to be played in proper style of vadan.

Paper XVII (Research Project)

CO1: After acquiring the knowledge of Research Methodology students are asked to prepare research project on any topic related to music.

Department of Music (Vocal)

M.A. Music Vocal

Program outcome

- Students will be able to demonstrate and recognize the musical notes.
- Students will be able to make an analytical study of various musical forms of Hindustani music.
- Students will be learning to write the practical compositions according to the Notation system.
- Students will be able to write the notation of ragas and talas.
- Students will be able to demonstrate various aspects of ragas and their differentiation.
- Students will be studies about the theoretical aspects of the prescribed ragas & talas.
- Students will be understanding the basic language of Indian music.
- Students will be studies about the life sketches and contribution of the music scholars.
- Students will be learning about the music from Vedic period to Modern period.
- Students will be studies about the Gharanas of Hindustani music.
- Students will be studies about the classical music, folk music & light music.
- Students will be learning the inter-relation between music and drama theatre.

Program Specific Outcome

PSO-1. Students will be learning basic elements of ragas, relation between folk music-classical music & an comparative study of Uttari and Dakshini system of music.

PSO-2. Students will be learning descriptive & comparative study of various gayan shallies along with biography and contribution of music scholars towards Indian Music.

PSO-3. Students will give a practical demonstration of prescribed ragas.

PSO-4. Students will give a detailed and comparative study of prescribed ragas.

PSO-5. Students will be learning about Intensive study of Indian Music.

PSO-6. Students will be learning an Analytical study prescribed Granthas.

Course Outcome

M.A. Semester I

Paper 1 : Theoretical Survey of Indian Music (Theory)

CO1. Student studies the relation between classical music and folk music

CO2. Student Studies the Naad, sahayak naad & importance of swar samvad.

CO3. Student Studies the Moorchhana system, tanas style relationship between vocal and instrument music.

CO4. Student studies the types of Gamaks & inter relation of Music with theatre.

Paper – II: Historical Study of Indian Music (Theory)

CO-1. Student Studies different style of prescribed gayan shallies and life sketches of music scholars.

CO-2. Student Studies Historical development of VrindGaan in vocal music. detailed study of Geeti Gaan. Folk Music of Punjab.

CO-3. Student Studies the changing scenario in music after independence, solo singing & Merits and De-merits of Academic training of Indian Classical Music.

CO-4. Student Studies swar sthapna on veena by prescribed scholars & importance of time theory in Indian music.

Paper – III: Stage Performance – I (Practical)

CO-1. Student is able to give a practical demonstration on stage in the presence of audience including students and teachers.

CO-2. Student is able to perform with Manual Tanpura.

CO-3. Student is able to demonstrate the Raga of choice with proper style of singing as prescribed in syllabus.

CO-4. Student studies Basic Talas on Hand and Tabla.

Paper – IV: Critical & Comparative Study of Ragas – I

Viva Voce (Practical Based)

CO-1. Student is able to give a practical demonstration on stage in the presence of audience including students and teachers.

CO-2. Student is able to perform with manual Tanpura.

CO-3. Student is able to demonstrate various aspects of ragas & their differentiation.

CO-4. Student studies Basic Talas on Hand and Tabla.

M.A. Semester II

Paper – V: Intensive Study of Indian Music

(Theory)

CO-1. The influence and impact of Aesthetical elements in music performances.

CO-2. Relevance of Raga – Ragini Chitran in strengthening the relationship of ragas with emotions, Rag and Rasa.

CO-3. Relation of Raga with creativity and Improvisation. Use of prescribed Indian classical ragas

CO-4. Critical and Comparative study of Basic training, singing style and presentation of prescribed Gharanas.

Paper – VI

An Analytical study of Granthas (Theory)

CO-1. Natya Shastra (Bharat) Sangeet Ratnakar (Pt. Sharang Dev) Sangeet Parijat (Ahobal)

CO-2. Swar Aur Ragon Ke Vikas Mein Vadyon Ka Yogdaan: Dr. Indrani Chakravati

CO-3. Sangeet Chintamani (Acharya Brahspati) Chaturdandi Prakashika (Pt. Vyankatmukhi)

CO-4. Brahe desi (Matang Muni) Pranav Bharti (OmkarNath Thakur)

Paper – VII: Stage Performance-II

(Practical)

CO-1. Student is able to give a practical demonstration on stage in the presence of audience including students and teachers.

CO-2. Student is able to perform with Manual Tanpura.

CO-3. Student is able to demonstrate the Raga of choice with proper style of singing as prescribed in syllabus.

CO-4. Student studies Basic Talas on Hand and Tabla.

Paper – VIII: Critical & Comparative Study of Ragas-II

Viva Voce (Practical Based)

CO-1. Student is able to give a practical demonstration on stage in the presence of audience including students and teachers.

CO-2. Student is able to perform with manual Tanpura.

CO-3. Student is able to demonstrate various aspects of ragas & their differentiation.

CO-4. Student studies Basic Talas on Hand and Tabla.

M.A. Semester III

Paper – IX: SCIENTIFIC STUDY OF INDIAN MUSIC (Theory)

CO-1. Student studies short notes on the prescribed in the context of musicology & detailed study of melody & Harmony.

CO-2. Importance of creativity in Indian music, the role of laya in different Gayan Shailies, mood & expression in Music performance.

CO-3. Correct Intonation of Swaras in Various Ragas, role of Mathematics in Music & Voice culture and its importance in larynx.

CO-4. Importance of Music listening and appreciation & relation of Music with allied sciences.

Paper–X: MUSIC AS A COMMERCIAL ART (Theory)

CO-1. Detailed knowledge of arranging film music, basic Principles of Thematic Music & the Role of computer in Music.

CO-2. Scope of Job Avenues in music, the Art of sound recording & sound techniques.

CO-3. Various methods of teaching Vocal music with the help of audio video aids, role of Music in popularizing commercial advertisements, role of Multimedia in Promoting Indian Classical Music.

CO-4. Principles of preparing Folk orchestra of Punjab & role of A.I.R. in promoting Hindustani Vocal Music.

Paper – XI: STAGE PERFORMANCE–III

(Practical)

CO-1. Student is able to give a practical demonstration on stage in the presence of audience including students and teachers.

CO-2. Student is able to perform with Manual Tanpura.

CO-3. Student is able to demonstrate the Raga of choice with proper style of singing as prescribed in syllabus.

CO-4. Student studies Basic Talas on Hand and Tabla.

Paper – XII: Critical & Comparative Study of Ragas – III

Viva-Voce (Practical Based)

CO-1. Student is able to give a practical demonstration on stage in the presence of audience including students and teachers.

CO-2. Student is able to perform with manual Tanpura.

CO-3. Student is able to demonstrate various aspects of ragas & their differentiation.

CO-4. Student studies Basic Talas on Hand and Tabla.

M.A. Music Vocal (Semester – IV)

Paper–XIII: GURMAT SANGEET (Theory)

CO-1. Musicology of Gurmat Sangeet, critical & comparative Study of classical and folk singing styles of Gurmat Sangeet and Contribution of Bhagats and Bhatts Bani towards Gurmat Sangeet.

CO-2. Musical Elements in raga mala in context of Guru Granth Sahib Ji, contribution of Sri Guru Nanak Dev Ji and Sri Guru Gobind Singh Ji towards Music.

CO-3. Contribution and biography of prescribed keertankaars and detailed knowledge of instruments used in Gurmat Sangeet.

CO-4. Detail study of classification of Ragas in Sri Guru Granth Sahib and Various Keertan trends of Gurmat Sangeet.

Paper–XIV: ESSAYS ON INDIAN MUSIC AND RESEARCH IN MUSIC (Theory)

CO-1. Meaning, Scope and Types of Research in Music, priority Areas of Research in music.

CO-2. Concept and Pre Requirement of Selection of a Topic, preparation of Synopsis and Research Proposal.

CO-3. Different gayan shallies of sufi music, Interrelationship study of Music and Yoga.

CO-4. Relation of Music with Physics, Interrelationship of Music and Psychology.

Paper–XV: STAGE PERFORMANCE – IV (Practical)

CO-1. Student is able to give a practical demonstration on stage in the presence of audience including students and teachers.

CO-2. Student is able to perform with Manual Tanpura.

CO-3. Student is able to demonstrate the Raga of choice with proper style of singing as prescribed in syllabus.

CO-4. Student studies Basic Talas on Hand and Tabla.

Paper–XVI: Critical & Comparative Study of Ragas – IV

Viva Voce (Practical Based)

CO-1. Student is able to give a practical demonstration on stage in the presence of audience including students and teachers.

CO-2. Student is able to perform with manual Tanpura.

CO-3. Student is able to demonstrate various aspects of ragas & their differentiation.

CO-4. Student studies Basic Talas on Hand and Tabla.

Paper–XVII: Research Project (Minor)

CO-1. Student is required to prepare one research project in any topic from semester 1 to 4 of M.A. Music Vocal.

Department Of Journalism and Mass Communication

BA Journalism and Mass Communication

Program Outcome

- Bachelors of Journalism and Mass Communication is a comprehensive degree program with its focus on enabling students in print, broadcast, and radio journalism. The new scope of social media and cyber journalism is also taught thereby opening wide array of services and thus easily assimilating them into the sector which is fast growing.
- Future Prospects: At the end of the programme students will be able to create research-driven communication campaigns that accomplish organizational goals. Reporting on stories in an accurate, detailed, balanced, professional and timely manner will be accomplished. Anchoring and analyzing news for Television, Digital and Radio Media.
- Students will be able to apply production skills in preparation, creation and distribution of content for the designated news media/channels/platforms. Determine the validity of news sources and research techniques.
- Students will be able to interpret data. Apply technical skills to handle production and research functions in journalism with capacity to change with volatile market.
- Can pursue higher courses in Media Studies and Production, Print & Radio Journalism, Advertising & Marketing Management, Advertising & Public Relations, Advertising and Design, Broadcast Journalism, Communication, Culture & Media, Convergent Journalism, Film & TV Production, Photo Journalism.

Program Specific Outcome

PSO1: Grasp and understanding the basic functions of reporting, its principles, newsroom and different types of editing is a part of this subject.

PSO2: For any journalist to function, a primary understanding of structure of political parties, the legislative, executive and judiciary is essential along with the backdrop of freedom struggle and its impact on media.

PSO3: In this subject, the fundamental concept of the medium of photography is described as combination the science and art in photography. It tells about the various components of cameras. Parts of camera, different shots, angles and lights used in photography.

PSO4: The history of which the press underwent to give advent to press laws and the code of ethics which both print and broadcast media adhere to are a part of this subject. This deals with learning historical laws like Vernacular Press Act to the current ones as Right to Information, Copyright etc. It also covers Working Journalist Act and Code of Conduct.

PSO5:History of print media is defined as one of the oldest and basic forms of mass communication. It includes newspapers, weeklies, magazines, monthlies and other forms of printed journals. A basic understanding of the print media is essential in the study of mass communication.

PSO6: Mass communication is prevalent in multiple forms, it deals with persuading, informing, educating and entertain. Tools mass media, both traditional and contemporary forms along with theories of mass communication like Social Responsibility and Soviet Communist Theory forms a part of this subject.

Course Outcomes

Semester I

Reporting and Editing – I

CO1: Principles of reporting, types of lead, the structure and body of a news story. Reporting techniques, along with qualities of a good reporter and pitfalls in reporting will be studied here.

CO2: Headlines, its principles, types and techniques along with various beats will be covered. They can be adjusted in print and electronic media as a news reporter/reader along with social media platforms which has great scope and possibilities

CO3: Students can be given a chance in journalism which is slowly changing with the introduction of production and technical know-how which they'll be studying in courses. They'll be introduced to editing techniques, style sheet and its symbols.

CO4: Students will be able to understand the newsroom and differentiate between weekly newspapers and periodicals, different sections of a newspaper and their functions.

Media & Politics

CO1: Any government has three main branches in parliament; legislature, judiciary and executive. Herein, students will learn how these units function for welfare to the masses. Knowledge and grasp of freedom struggle and its impact on politics and students will learn how laws are made, passed and implemented.

CO2: In this subject, students will understand about communication with political system and how they strengthen the system. Working of Rajya Sabha and Lok Sabha and how they telecast their sessions by their broadcasting units.

CO3: Understanding the constitution, rights and duties, difference between Union and state territory. They will understand the importance the directive principles, fundamental rights – which determines the yardstick. Learn about office and the functioning of President, Prime Minister etc along with Supreme Court and High Court about the checks and its authorities; its appointment and working.

CO4: Administration is the key and students will learn about various administrative wings as Ministries, local government, Election Commission and other aspects like reservation and its bodies.

Photo Journalism

CO1: Any production is primarily completed with camera, shutter speed, aperture, focal length etc. This course will enable them the working of these components which will help them in the coming years when they will be involved in creative work like making of programs.

CO2: Various cameras are available in market like SLR, DSLR and tripods; their use will be taught to students which will help them while doing programmes post their course.

CO3: Knowledge about various lenses for different along with zoom and wide lens, students will be taught and will be educated why these lenses are being used.

CO4: Composition with frame and light along with depth of field will be made to understand practically. Students will also be educated on how to use these elements of photography.

Semester II

Press laws and Media Ethics

CO1: Ethics, expression and freedom of press with social responsibility will be the key factor of teaching to students.

CO2: Role of press council will also be taught to students.

CO3: Code of conduct of Press along with Right to Information, Copyright Act will be the key elements.

CO4: AIR, TV and cable which are very important platform of production and information will be taught to students.

History of Print Media

CO1: Print media is very important pillar of democracy and students will be taught history of journalism along with Agencies like UNI, PTI etc.

CO2: Young generation is not aware of the fact that when print media originated in India, about its history and contributions by journalists and its development. Students will get involved on the contribution made by great personalities like Gurbax Singh, Raja Ram Mohan Roy to the development of main stream media etc.

CO3: Different Press Acts like Adam's Press, Gagging Act, Vernacular Press Act will be covered and its relevance to the Press.

CO4: Students will be taught about legendary newspapers of all times like Amrit Bazaar Patrika, The Tribune, Ajit etc. which contributed to spread awareness in society.

Design and Graphics

CO1: Visualization, concept of programme along with significance basically depends on key elements of Design and Graphics which will be introduced to students.

CO2: Every print/publication has basic elements of pre- production where design and graphics will be worked out. Students will be taught all kinds of layout, placing and design of the print media.

CO3: Learn the use of computer software after 1994 when it was introduced in India, they'll be taught how computer has replaced old technique of media.

CO4: Types of papers, printing methods used like Cylinder, Rotary, Letterpress and plate making mechanism will be taught to students.

Cyber Journalism

CO1:-This section covers introduction to Cyber Journalism, its revolution and comparison with mainstream Media.

CO2:-This section covers basic rules for writing for Web. Do's and Don'ts to be kept in mind while writing for media will be taught.

CO3:-This section covers Presentation & Layout of Web Newspapers & Magazines, Advertising on the Web, Circulation of Web Newspapers, and Future of Web Journalism.

CO4 :- This section covers analysis of important Indian News-Based Web-sites, Trends in Cyber Reporting & Editing, Impact of globalization on Web Journalism, Cyber Laws, Concept of e-governance.

Reporting & Editing II

CO1: Understand various sections of journalism are under the same roof called news bureau which shows how to give emphasis to news in person, politics and events. Students will be taught about the role of news bureau.

CO2: Interpretative, investigative, advocacy, Yellow Journalism, Herd Journalism and how to cover sports, science and technology, economics and commerce, book reviews, films reviews, TV programme are taught here.

CO3: Structure and purpose of Editorial and middle, special articles, columns and letters to editor along with Specialized Writing/Editing: Supplements, pullouts, features, interviews, news analysis, backgrounders are covered.

CO4: Columnist, Syndicate Writers, Difference between broadsheet, tabloid, magazine, City Reporting Room, Wire Services, how to understanding Style book of a newspaper will be taught.

History of Broadcasting in India: Policies & Principles

CO1:-Introduction covers strength & weaknesses, Characteristics & edge over other media, Radio technology, Types of Broadcast, AM & FM, Short Wave, Analogue & Digital, Studio, Microphones, Recording, Editing, Transmitter, Computer

CO2:-History of Broadcasting includes expansion of radio, development with five year plans, diversification of broadcast, 3-tiers of broadcasting.

CO3:-Policies and principles of radio. What role radio plays in building a nation and News objectives, guidelines for Election Broadcast.

CO4:- Policies and principles of radio also covers Privatization & Autonomy, Prasar Bharti, Convergence, Relevance of Radio & Media Policy.

News Feature Writing

CO1: There is a difference between news and feature as each one has different component; one deals with language and other with facts. Students will be introduced to this difference.

CO2: Research aspect on how to looking for ideas, primary and secondary sources of information, use of library and other reference material to be used to develop focus themes and news pegs will be covered.

CO3: Elements of feature: Kinds of features: Interview (QA or QPA format), utility, personal experiences, confessions, narrative, columns and columnists; Human interest story and various aspects of feature writing will be covered here.

CO4: Writing the features and how to gather and organize information; Structure: Title, body, transitions, closing; Feature leads, Tools and techniques of writing will be taught.

Development & Communication

CO1: This section covers Development, its concept and process; Its historical background in India, Different models of development.

CO2: Various approaches of development have been described in this section.

CO3: This section covers Development Communication and its significance. Various development issues and concepts such as Sustainability, Poverty Reduction, Social Relation (Inequality), Human Development, Participation, Institutional Development, Structural Adjustment, Environmental Protection.

CO4: This section covers role of media in development of nation. Problems with use of media and Role & performance record of each medium-Print, Radio & TV in Indian context will be taught.

Semester IV

Media & Business Communication

CO1: Understanding the relevance of communication in business organization through communication models and its application.

CO2: Getting hold of different forms of communication including verbal and non-verbal like proxemics and kinesics.

CO3: Students will learn how to use business correspondence in media organizations.

CO4: Understanding different communication cultures in a business environment.

Programme Formats: Radio & TV

CO1: Introduction includes writing for radio. Spoken word, Radio Talk, News, Slogans, Interview & Discussion, Feature & Documentary, Drama & Serial, Music Programmes, Outside Broadcast (OB), Commentary, Voice Cast, Vox Pop, Phone In, Radio Bridge, Chat Show, Radio Commercial- Types, Copy Writing.

CO2: Concept of Good Presentation : Link Announcement & Continuity Presentation, News Reading, Pronunciation, Use of silence, Voice Culture, Keeping Rapport with the Listener, Presenting Music Programmes.

CO3: This section covers Forming a personality for the programme/station, Programme objectivity, Information, Entertainment & Education, Fixed point & Flexible point, Intimacy with listener, knowing the target, Channel Identity, Special audience.

CO4: Television covers Understanding the medium and slope, Writing for visuals, Piece to Camera, Presentation, Reporting, Interview, Reportage, Live Shows, Anchoring a Show, Programme Production, Packaging for a channel, Packaging Stories.

Video Production: Radio & TV

CO1: There are two wings for production; production and technical. Students are taught regarding video cameras, types, different shots, angle and movement, use of lenses along with proper use of lighting, their techniques along with reflectors and cutters.

CO2: Students are guided to develop the skill of making the programmes how to choose a subject and in which format to be applied accordingly layout and script was designed. Post shooting, students also learn the art of post production i.e. editing, non-linear and assembling of the program, use of extra visuals/materials.

CO3: Lighting covers Lights and lighting, Basics of lighting, Techniques, Different types of lights used in videography, Use of filters & reflectors.

CO4: This section covers Video recording and Editing which includes what is editing? Rules of editing, Editing sound: U matic, Beta & VHS, Types of editing, Cut to cut, A/B roll, Assembly and insert editing.

Folk Media

CO1: Learn the importance of folk channels of communication in India, understanding the benefits it has over electronic media.

CO2: Understanding various art forms and their survival and relevance in today's times.

CO3: Relevance of folk media in current scenario while conveying message. How can folk media be used hand in hand with mass media.

CO4: Understanding the different divisions of government like song and drama division, DAVP, FTIL, NFAI – their roles and functions in promoting this media. Provide an overview of Punjabi media.

Advertising: Concepts and Principles

CO1: Help understand the reach and fundamentals of advertising including its history.

CO2: Grasp the need of advertising in today's times. Understand its relevance in different societies and cultures.

CO3: Students will be able to understand the different types of advertising in relation to the sector.

CO4: Students will get to relate to advertising as an effective communication tool along with the role it has on the economy and society at large.

Semester V

Event Management: Principles & Methods

CO1: Understanding the role and scope of event management in today's world in relation to various events like conferences, trade fairs, and exhibitions.

CO2: Management of PR in exhibitions and other publicity material and how to get them covered in the media.

CO3: Advantage of exhibition over other devices, the importance of direct contact, choosing the right exhibition-Where to participate and the right kind of exhibition for the product.

CO4: Trade Fair: Uses & Abuses, Gauging Cost Effectiveness of an exhibition, Publicity inputs or visible aids for promoting an event will be covered.

Current Affairs: Contemporary Issue in Media – I

CO1: Understanding political wave in terms of parliament, political parties and their agendas, current issues in media.

CO2: Understanding the role of sports, entertainment industry, internal and external security in the current scenario.

CO3: To get an understanding of current issues in health, Women and Child Rights, Human Rights and Education System.

CO4: Understand international and national organizations and the role they play in global issues. Organisations like SAARC, ASEAN, G8, UNICEF, FICCI and RBI, CVC to name a few.

Media Research Methodologies

CO1: Students will get to know the fundamentals of research, methods, statistical analysis, report writing. Learn step by step approach through the entire process of research.

CO2: Understanding the concept and meaning of survey including learning how to conduct different kinds of surveys and data; its meaning and kinds.

CO3: Getting to know different kinds of data and the tools of data collection.

CO4: Understanding media research; its measurement, reach and impact in the form of TRP, viewership etc.

Social Media

CO1: Social Media includes its Meaning, Concept and Scope, Social Media for developing nations like India. Social Media Forms: Facebook, Twitter, Instagram, Snapchat etc. Brief history

CO2: Uses and Abuses of social media, Challenges for Mainstream Media is covered in this section.

CO3: Social Media & PR, Social Media Advertisement, Marketing & Information for Mainstream & traditional Media.

CO4: Social Media for Breaking news, Social Media as a source of information for Journalism, Social Media and citizens journalism.

Public Relations

CO1: Getting to learn the multiple aspects of public relations; its functions, techniques, principles.

CO2: To understand the Relationship & Duties of the PR Practitioner-Value of IPR Code & the International Codes of Conduct

CO3: Understanding the relationship which exists between media and PR, how they are dependent on each other along with the history of PR.

CO4: Learning the intricacies of employee relation, uses of exhibition PR and planning, role of photography and how to use the same in PR.

Semester VI

Global Media

CO1: Understanding the role of international media in all spheres; radio, TV and print journalism.

CO2: Get know-how of the international media scenario in terms of wire agencies like Reuters, AP; how media covers Asia and concept of media imperialism.

CO3: Learning the role media plays in crucial times, informing and misinforming people. The role it plays in promoting peace and humanity.

CO4: Understanding global technology in terms of satellite system, internet service, IPTV and UNESCO mass media declaration.

Current Affairs: Contemporary Issue in Media – II

CO1: Understanding the events and developments in the past six months in reference to parliament, political parties, and current debates on social issues.

CO2: To understand the current issues in health, issues related to human rights, Current issues in education system are covered.

CO3: Current issues of business, Current issues of entertainment and sports, Current issues of internal and external security are covered via daily news.

CO4: Students will understand how critical matters in media like violence, feminist perspective and marginalized groups are covered.

Perspective of Audio Sound

CO1: Students learn the fundamentals of sound like acoustic reverberation, selection of microphones and its uses and polarization.

CO2: Understand the principles of magnetic and digital recording systems, various types of audio cables and their uses.

CO3: Learning various terms and concepts used in audio like surround sound, mono, modulation.

CO4: Students will learn about audio editing, types of sound effects, mixing and dubbing techniques.

Film Production

CO1: Process of Film Production includes Pre-Production, Production and Post-Production
Pre-Production covers Programme Proposal, Budgeting, Casting, Location Survey, Indoor and Outdoor Shooting, Shooting Script, Pre-Production Meetings.

CO2: Production includes Understanding various concepts of Production, Single Camera and Multi Camera Shooting, Camera Crew (Director, Producer, Production Manager, Floor Manager, Art Director, Makeup Man, Dress Designer, Choreographer) and other technical staff, Understanding the use of EDL, Continuity, Log Sheets etc.

CO3: Post-Production covers Editing- Meaning, Need, Types (Online, Offline, Linear & Non-linear, Transitional Devices (Cut, Fade, Dissolve, Mix, Superimposition, Wipe & Montage), Special Effects & Narration includes Audio Special Effects, Video Special Effects, Recording Special Effects

CO4: Sound Mixing includes Basics, Dubbing, Studio Mixing and Media Appreciation includes Film Review, Film Criticism, Film Journalism, Film distribution & Marketing

Specialized Reporting

CO1: Students will learn the concept, scope of specialized reporting and its relevance. They will also get a grasp of different areas of reporting like health, development, issues on gender bias, war and sports to name a few. Learn about celebrating journalism and tabloid journalism.

CO2: Learning the concept of investigative journalism with its origin and how it shaped along with the issues faced in this field of reporting.

CO3: Understanding advocacy journalism and its criticism. Learn about Gonzo, embedded and new journalism; its history and characteristics. To learn about environment journalism; its history and scope in today's time. Get to understand different genres like nature writing, science writing and environmental interpretation.

CO4: Understanding video game journalism in relevance with ethics and new media. Students will learn on how to report on social events and malpractices, manual scavenger and Rehabilitation Act Of 2013.

Department Of Philosophy

B.A.

Program Specific Outcomes

PSO1: Basic knowledge of the origin and development of Western Philosophy.

PSO2: Early Greek philosophers who were the initiators of philosophical thoughts in the West.

PSO3: Enunciate various sources of knowledge in Indian and Western philosophy .

PSO3: To be able to identify the scientific ground in Western logic to differentiate it from other descriptive studies.

PSO4: To be able to determine certain things with certainty and others with probability.

PSO5: To introduce the purpose of Business Ethics.

Course Outcome

Semester – I

Western Philosophy

CO1: Understand the problems, Nature, Scope and branches of philosophy and relationship with religion

CO2: Understand the Nature, Scope and Types Human Rights, Discuss Social Problems like Casteism and Gender Discrimination and Also discuss Problems and Solution of World Peace

CO3 : Analysing the theories of Guru Nanak, Vivekanand and M.K.Gandhi

CO4 : Understanding the concept of Culture and Civilization and their Relation and Differences.

Semester- II

Ethics (Western and Indian)

CO1 Understand the ethical concepts like Right & wrong, Good & Bad, Virtue & vice and Relation of Ethics with Religion and Science

CO2 Understand the concepts of Plato , Kant and Utilitarianism of Mill and Bentham

CO3 Analyse the cocepts of Bhagvad Gita AND Guru Granth

CO4 Understand the theories of Buddhism , Yoga Philosophy and Jainism

Semester– III

Western Logic And Applied Ethics

CO1: Understand the Nature and utility of Logic and the concept of connotation and denotation of terms

CO2: Understand the deductive logic which includes Proposition, Immediate Inference and Mediate Inference and distinguish between Deduction and Induction

CO3: Analyse the scope and uses of Applied ethics and also the concept of Deontological and Teleological approaches of moral actions

CO4 : Understanding the Professional ethics in which students are taught about Medical ethics, Business ethics, Legal ethics, educational and euthanasia

Semester- IV

Inductive Logic And Environmental Ethics

CO1: Understand the concept of Induction and its Types of Induction and Difference between deduction and induction. Causation and Nature and Conditions of Valid Hypothesis

CO2: Understand Indian Logic, its Nature and Scope , Difference between Nyaya Syllogism and Aristotelian Syllogism and Anumana in Nyaya Darshan

CO3: Understand and awareness about Environmental Ethics, Ecology and Man-Nature Relationship (Indian Tradition)

CO4: Analyse the concepts of Population , Pollution and Nuclear Threats

Semester – V

Epistemology and Metaphysics (Western)

CO1 Understand the Nature & Scope of Philosophy and Philosophy of Idealism and Materialism

CO2. Analyse the concepts of Monism, Dualism and Pluralism

CO3. Understand the Theories of knowledge: Rationalism, Empiricism and Intuitionism

CO4 Analyse and criticize the theories of Existentialism, Logical Positivism and Pragmatism

Semester – VI

Epistemology and Metaphysics (Indian)

CO1 Understand the Vedic theism and Upanisadic conception of Atman& Brahman and concept of Indian Philosophy

CO2.understand the cocept of Carvaka, Samkhya System and Maya and Avidya of Shankaracharya

CO3 Analyse the theories of Buddhism. Nyaya – Vaisheshika

CO4 Analyse the theory of Jainism , Sikhism and Yoga Psychology

Department Of Sculpture

B.A. (Sculpture)

Semester 1

CO1 Topic: What is Sculpture? Basic terms related to Sculpture Meaning of Relief and Round Sculpture. It aims to provide the student knowledge about different type of sculptures, Murals in 2D & 3D.

CO2 Topic: Clay Modeling Quality and Preparation of Clay, Form and Shape, Clay Modeling. It aims to provide the student knowledge about the types of clay & its uses in developing a form.

CO3 Topic: Stone & Wood Carving: Types of stones, techniques and tools Process of Plaster mould and Casting. It aims to provide the student knowledge about engraving & carving on wood/stone and taking mould of different sections.

CO4 Topic: Composition Elements in Sculptural work: Mass, Movement, Scale, Plane, Texture, Contours, Uses of Material in Sculpture. It aims to provide the student knowledge about the aesthetical development of an art work.

CO5 Topic: Low Relief in Terracotta Based on natural and geometrical form, Mix. It aims to provide the student Practical knowledge of Media Paper Clay, Wire, M-Seal, and Paper Mache etc. to develop the skills & knowledge of different processes & materials.

BA Semester 2 (Sculpture)

CO1:Topic: Canons of Indian Art Shadanga & Bhangas in Indian Sculptures. It aims to provide the student knowledge of history Structure Proportion and limbs of Indian art.

CO2: Topic: Artists D.P. Chaudhary: The Triumph of Labour, Ramkinker Baij: Santal Family, Chintamani Kar: Skating the stag Prodosh Das Gupta: Volume in three masses Sankho Chaudhary, Dhanraj Bhagat: Flute Player Balbir Singh Katt: Sun 85. It aims to provide the student knowledge of great Indian master's art works & there contribution in Indian art.

CO3 :Topic: Relief in Plaster and Terracotta, Head Study (Cast in Plaster). Figure Composition in Paper Clay or M-Seal. It aims to provide the student Practical knowledge of material & methods to develop sculpture.

BA Semester 3 (Sculpture)

CO1: Topic: Indus Valley Sculptures and seals. It aims to provide the student knowledge of Major Centers (Harappa & Mohenjo-daro) Other Centers, Round Sculptures in Stone, Bronze, Terracotta, Terracotta Seals.

CO2 :Topic: Mauryan Dynesty (Sculptures and Pillars). It aims to provide the student knowledge of Major Centers, Yakshi, Yaksha Sculptures & Introduction of Ashokan Pillars as Main Pillars.

CO3:Topic: Introduction of Stupa, Vihara and Chaitya. It aims to provide the student knowledge of the Importance of Stupa, Vihara and Chitya in Buddhism Text. Major Places of Stupa, Vihara and Chaitya.

CO4:Topic: Shunga Dynesty (Bharhut Stupa), Sanchi Stupa. It aims to provide the student knowledge of Shunga Dynesty, Bharhut Stupa & Major Art work on the Railing of Bharhut Stupa & Jatakas Sculptures.

CO5:Topic: Low Relief Sculpture in Terracotta Based on Birds/Animals/ Human Figures, Head study in clay, modeling from life Size, and these works should be produced in plaster of pairs. It aims to provide the student Practical knowledge of material & methods to develop sculpture.

BA SEMESTER 4 (SCULPTURE)

CO1:Topic: Mathura and Gandhara school of Art under kushana period. It aims to provide the student knowledge of Kushana Dynesty, Gandhara School: Early and Later, Medium used at Gandhara School, Characteristics of Gandhara & Mathura School; Medium, and Characteristics of Mathura Art & Difference between Mathura and Gandhara Art.

CO2:Topic: Art of Bodhgaya Stupa. Bodhgaya. It aims to provide the student knowledge of Structure Plan of Bodhgaya Stupa. Railing Art work of Bodhgaya Stupa Subject Matter.

CO3:Topic: Art of Amaravati Stupa. It aims to provide the student knowledge of Time Period, (Art Work Phases) Work Style & Characteristics of Amravati Art.

CO 4:Topic: Gupta Period. It aims to provide the student knowledge of Main Centre of Gupta Dynasty & Characteristics of Gupta Art

CO5:Topic: High Relief Sculpture, cast in cement/Fiber glass/Plaster of Paris based on Birds/Animals/Human Figures & Composition in round Sculpture based on Human Figures, work should be produced in plaster cast & Creative Head in clay modeling work should be produced in Cement/Fiber glass/Plaster cast. It aims to provide the student knowledge to develop the skills of different processes & materials.

BA SEMESTER 5 (SCULPTURE)

CO1:Topic: Gupta Sculptures • Mathura Centre (standing Vishnu, Standing Buddha, Vishnu Anant Shayian from Dasavatar temple, Deogarh, Vishnu of Vaikuntha from Mathura) • Sarnath Centre (Life of Buddha Panel, Seated Buddha preaching the Sermon of Law and Copper Buddha from Sultan Ganj). It aims to provide the student knowledge of Gupta Art, Mathura Centre & Sarnath Centre.

CO2:Topic: Pallava's Sculpture including Rath temples. Art of Sun temple of Konark (Odisha). It aims to provide the student knowledge of Pallava & Gang Dynasty. Rock Cut Art Work. Main Sculptures of Pallavas. Architectural work styles of Pallava & Gang Dynasty.

CO 3:Topic: Sculptures of Kailashnath Temple, Ellora. Chola Bronzes sculptures including techniques, Shiv Natraj and Parvati Sculptures. It aims to provide the student knowledge of Ellora Caves & monolithically carved Kailashnath Temple& Techniques and Metal Casting. Main Sculptures of Chola Bronzes: (i) Shiv Natraj (ii) Parvati.

CO4:Topic: Sculptures of Elephanta Caves (Marriage of Shiva and parvati, Shiv Maheshamurti, including main features of the Sculptures. It aims to provide the student knowledge of Work Style and Technique Characteristics of Elephanta Cave Art. Main Sculptures: Shiv Maheshmurti, Marriage of Shiva and Parvati etc.

CO5:Topic: Low Relief Sculptures in Geometrical pattern, Cast in Plaster of paris (POP) / Cement / Metal based on birds, Flora and Fauna, Composition in round sculpture based on

human figures. Work should be produced in PoP / cement / Metal. Creative Head in Clay Modeling, work should be produced in PoP / Cement / Terracotta. It aims to provide the student knowledge to develop the skills of different processes & materials.

BA SEMESTER 6 (SCULPTURE)

CO1:Topic: Khajuraho Sculpture, It aims to provide the student knowledge of Shiv Parvati, Apsaras Playing a Flute, Apsaras applying Collyrium to her eyes, Lady with a looking glass, mother & child, Lady writing a love Letter and General Note on Apsaras or sura Sundaries Sculptures.

CO 2:Topic: Retrospective and Contemporary Indian Sculptors (Biography & their selected works) 1. Ramkinker Baij, Santhal Family, Harvester, Portait of Abanindranath Tagore, D.P Roy chowdhary , Triumph of Labour Matrtyr's Memorial Sculptor's Father (Potrait), Pradosh Dass Gupta Volume in three Masses, Jai Hind, Mother and Child, Chintamoni Kar, Skating the stage, Park Figure (1949) Seated Figure (1960). Dhanraj Bhagat, Flute Player, Three Women, Cosmic Man, Sankho Chowdhary, Women with Pitcher, Standing Figure, Mahatma Gandhi, Satish Gujral,Deity Series (1990) Prayer (2000) The Crucification (1981). It aims to provide the student knowledge of great Indian master's art works & there contribution in Indian art.

CO3:Topic: Terracotta Mural based on Birds, Flora and Fauna, Head study in clay, modeling from life head only in life size. This work should be produced in plaster of Paris/ cement, Composition in round based on Human Figures/ Animals/ Birds. These work should be produced in P.O.P/ Fiber Glass/ Metal It aims to provide the student knowledge to develop the skills of different processes & materials.

Bachelor Of Design

Semester 1

WORKSHOP-I (PRACTICAL)

CO1:Topic: Clay Modelling /Paper Clay. It provides the students to understand the elastic quality of an artwork along with low relief carving with the flexible surfaces.

CO2:Topic: Plaster of Paris. It provides the students to understand the carving techniques on solid surface to create 3D mural and low relief view point with additional materials as experiment to produce an artwork.

CO3:Topic: Tin foil. It provides the students to understand to manipulate the surface to engrave or inlay the incised surfaces to give it a 3 dimensional look.

CO 4:Topic: Oil Colour, Acrylic Colour /Fabric Colour. It provides the students to understand to stylization of the surface to create an artwork with variety of experiments.

Bachelor Of Design Multimedia

Semester 1

Workshop–I (Practical)

CO: 1 Topic: Clay Modelling /Paper Clay. It provides the students to understand the elastic quality of an artwork along with low relief carving with the flexible surfaces.

CO: 2 Topic: Plaster of Paris. It provides the students to understand the carving techniques on solid surface to create 3D mural and low relief view point with additional materials as experiment to produce an artwork.

CO: 3 Topic: Tin foil. It provides the students to understand to manipulate the surface to engrave or inlay the incised surfaces to give it a 3 dimensional look.

CO: 4 Topic: Oil Colour, Acrylic Colour /Fabric Colour. It provides the students to understand to stylization of the surface to create an artwork with variety of experiments.

Bachelor Of Fine Arts

Semester 1

Design 3d (Practical)

CO: 1 Topic: To develop the sense of structure in clay (Basic form like Spherical, Conical and Cylindrical). It provides the students to understanding of geometrical forms & shapes.

CO: 2 Topic: Terracotta mural/cement. It provides the students to understand the elastic quality of an artwork along with low relief carving with the flexible surfaces.

CO: 3 Topic: M-seal/Shilpkar work in relief sculpture. It provides the students to understand. It aims to provide the student knowledge to develop the skills of different processes & materials.

CO: 4 Topic: 3D Design in thermocoal. It provides the students to understand. It aims to provide the student to gain knowledge in developing 3D design & low relief carving process & Experiment through various types of materials.

Bachelor Of Fine Arts

Semester 2

Design 3d (Practical)

CO: 1 Topic: Cantilever construction, Flexibility and ability to stretch, Geometrical regularity, arched structure, Control of tensions, Hinge construction. It aims to provide the student the knowledge & skill to play the elements & principles of design to create a work of art.

CO: 2 Topic: Sculptural experience (round and relief) in various light conditions (Natural as well as artificial):– Carved, Modelled, Perforated (bored through), Mobile, Various methods of joining such as interlocking, plastering etc. It aims to provide the student with knowledge of structure & skills to develop the 3D form & 2D shapes in-coordinated series and basic design problems with analytical approach in plastic arts.

Department of Applied Arts

BFA Applied Art

Program Outcome

- The planning of applied art Program of training for specialization in subject of applied art, or in any other branch of studies the objectives have to be clearly defines and kept constantly in view.
- The objectives can be defined only on the basis of an understanding of the nature of the subjects of specialization

Program Specific Outcomes

PSO1;Understanding the colour qualities in its variations of warm and cool colours, harmony and contrast. Creating coloured designs with regular irregular forms with Mosaic/Mural/Flat Gradation effect.

PSO2:developing an awareness of pictorial space- division of space form and relation with space observation of primitive, folk and miniature paintings as well as graphic designs. Developing an awareness of inter-Relation of different shapes and forms relative values.

PSO3:To develop the sense of structure in clay (Basic form like Spherical, Conical and Cylindrical). Terracotta mural, cement. M-Seal/Shilpkar, work in relief sculpture. 3D Design in thermo Cole.

PSO4:to develop the sense of observation and the capacity to retain and recall images and their co-ordination.

PSO5:Study of two-dimensional space and its organizational possibilities. Elements of pictorial expression related to concepts of space and forms, pictorial images. Understanding and exercising the Principles of design and arranging the elements of design in Black & White including Unity, Harmony, Balance, Emphasis, Rhythm, Proportion, Distribution of Space etc.

PSO6:This subject helps students to understand various aspects, throughout period of history, the artistic, Stylistic and chronological development of art. In this subject they will understand the early development of Indian Art.

BFA

Semester I

History of Art (Theory)

CO1: In this unit students will learn Ancient art history like Pre historic period, Indus valley Civilization .

CO2: This unit contains Mauryan art, students will learn about Understanding social, political and economic scenario of the period. Along with this they study about the sculpture and Pillars of Mauryan Period.

CO3: This section contains terms related to Buddhist architecture-Stupa, Chaitya & Viharas and Shunga period of Indian Art history.

CO4: Students will learn in this unit about the EARLY SATAVAAHANAS- detail study of Sanchi Stupa and Amaravati Stupa is done in this section.

BFA Semester-II

Paper –V History of Art (Theory)

CO1: This section contains study of sculpture and art of Kushan Dynasty In which students can learn about the development of Buddhist iconography and art.

CO2: In this section students will learn about the Mathura nad Sarnath Sculptures and about the contribution of Gupta rulers in art.

CO3: This section contains Indian rich tradition of Mural painting from Ajanta and Bagh. Students will learn about the discovery, location, Murals Technique, Chronology.

CO4: In this section students will learn different styles, Technique and mediums of sculptures of India like Vijyanagar period and South Indian Bronzes.

BFA Semester-III

Paper – I, History of Art (Theory)

CO1: This unit contains the Indian temple Architecture. Students will learn about the Evolution & layout of Indian Temple Architecture & Classification- Southern (Dravidian), Northern

(Nagara) & Vesara (mixed) style. This unit contains an understanding of the historical development of Indian architecture in its formative stages.

This section also contains Chandella Dynasty, Students will learn about the various temples produced during the Chandella rulers.

CO2: In this section Students will learn the importance and achievements of the artifacts, architecture and art of RASHTRAKUTA • Kailash Temple (Ellora) & ELEPHANTA CAVES.

CO3: In this unit students will get a detail study of PALLAVA DYNASTY • Descent of Ganga • Shore temple and also they study and learn about the MAHABALI PURAM • Five Rathas

CO4: In this section students will learn about EARLY STRUCTURAL TEMPLES: • Aihole • Pattadakal and ORISSAN SCULPTURES, they will also study about the art & architecture of Sun temple (Kornark)

Paper – II Aesthetics Theory (Theory)

CO1: This unit contains Meaning of Art, Aim of Art, and Function of Art. students will also learn about the Categories of art. Students will understand about the Inter relationship between the visual and performing art.

CO2: In this section students will learn about difference between Art and Craft and Art and Science. Along with this they will gain knowledge about various art styles of India like • Folk Art • classical Art • Tribal Art • Modern Art

CO3: This section contains the basic terms related to art and students will learn about the Elements of art. Knowledge gained from this unit they can apply in their practical work also.

CO4: In this unit students will learn Principles of art appreciation and other important notions of art. They will also learn about Approaches towards art Conceptual and Representational.

Paper –III Advertising Profession and Practice (Theory)

CO1: It includes knowledge about visual communication and its mediums. What is Visual communication and how it's beneficial, will be discussed.

CO2: Western advertising and its history will be discussed. In this knowledge about the discovery and development in western advertising will be discussed.

CO3: A short introduction of Indian advertising: Advertising for religion, Village economy in India, Import of goods, the introduction of printing process, birth of Newspapers and advertising, Birth of advertising agencies, Growth of Advertising agencies, Period of Consolidation, Second world war and after, Rapid Industrialization-impetus to advertising. Growth of commercial art and Printing.

CO4: Principles of design: including as follow Balance, Rhythm, Emphasis, Unity, Simplicity, Proportion, White space, will be made understood to the students.

CO5: Printing process, different types of modern printing process: Letter Press, Gravure, Lithography and offset, Silk Screen will be taught.

Paper–IV Drawing and Illustration (Practical)

Artistic disciplines that are classified as **applied** arts, include industrial design, fashion design, interior design, and graphic art and design (including computer graphics), as well as most types of decorative art (eg. ... Illuminated manuscripts and later book illustration are also classified as appliedarts.

Illustration : Understanding the need of illustration as a communicating media. Using Images from nature and surroundings, composing and simplifying it further for appropriate use in appliedart.

Paper VI Outdoor Print Media (Practical)

CO1: Under this course student will enlightened with the knowledge of various outdoor print Medias.

CO2: Study of different types of outdoor media (along with sizes, formats, measurements etc.) and its application. • Poster design, Hoardings, Kiosks and other popular outdoor advt. medium.

•Conversion of outdoor media into social and relevant latest topics. (Execution of works should be done using computers, as well as manually using airbrush and hand illustrated, wherever necessary).

CO3: At the end of semester 3 assignments will be submitted by students.

Paper VII Photography (Practical)

CO1: Arrangement of Dark room. Use of Dark room. (Knowledge of Enlarger, use of chemicals, time, Temperature and light.) Knowledge of different kind of photography paper and chemicals. Film developer and paper developer and then case. Making of contact sheet □ Making an enlargement from different formats of negatives. Indoor photography. (Table Top, Portrait, fashion, and composition of different kind of objects.(Rule of thirds) Knowledge of different kind of lights, exposure meter, and handling of lights. Outdoor photography knowledge of natural light, Rule Sunny 16, landscape, architecture, nature, wild life, events, study of common day to day life.) Black and white and color photography and Mounting and framing

Paper – VII Computer Graphics (Practical)

CO1:Introduction to computer. Knowledge of different parts of computer Knowledge of Software and Hard wares. Using the detailed study of still objects, simplifying and composing it as a graphic illustration. Understanding the basic Desings of animals, birds or human figures. Simplifying it further for appropriate use in Applied Art.

BFA Semester-IV

Paper – I, History of Art Theory. (Theory)

CO1: In this section students will learn about the development of Indian Miniature paintings. Early school of miniatures Pala and Jain school Miniatures.

CO2: In this Unit Indian style of miniature painting of Rajasthani and Pahari miniature paintings from where students can learn beautiful delineation of colors, line and composition.

CO3: This section contains Mughal Miniature painting and decani Miniature painting

CO4: This section contain COMPANY SCHOOL students will learn about the development, Patrons and Artists, Style, Materials along with they study about the KALIGHAT PAINTING.

Paper – II, Aesthetics Theory (Theory)

CO1: In this unit students will learn about Artworks as modes of symbolic communication. Interrelationship of textual and visual traditions in art history.

CO2: In this section students will learn about Concept of Iconography in Indian art. They will study about Hindu and Buddhist Iconography.

CO3: This section contains ART AND MORALITY and ART AND RELIGION students will learn about • Art as a medium for social change. • Moral character of a work relation to its artistic value. • Inter-relationship of art and religion.

CO4: In this unit students will study art and nature and art as expression. They will understand the relationship between Art and Nature with special reference to western philosophers. Along with this they study about the concept of expression, expression of the mind of the artist—of his or her emotions, feelings, thoughts.

Paper – III, Advertising Profession and Practice (Theory)

CO1: General introduction to various Medias of Advertising: Understanding Print Media- students will understand different Medias like Newspaper, Magazine, outdoor Media, Direct mail, Supplementary Media. (Advantages & Disadvantages of various media mentioned above).

CO2: Students will understand about Selection of advertising Media: Steps in Media Planning, Media Vehicle choice, Significance of Reach Frequency and Continuity in media planning. Importance of Product, market and Campaign objectives in media planning.

CO3: Students will gain knowledge about Color theory and its application in advertising: Introduction to Color and Color wheels Primary, Secondary, Tertiary colors. Understanding Hue, Value, Tint & shade, Color schemes – Analogous, Complimentary, Monochrome, Achromatic, Adjacent, Warm and Cool Colors.

CO4: Students will understand Basic rules of typography: Readability, Ascenders, descender, x height, counter space, understanding point size, Leading, alignment, Type classification and selection (Modern, Old style, sans- serif, Script and Venetian).

Paper VI: Drawing and Illustration (Practical)

CO1: Drawings are visual expressions used to convey feelings and emotions evoked within the artist. On the other hand, illustrations are visual expressions that help people further understand and visualize the accompanying textual content. 3. Drawings can stand alone, and still convey a message.

An illustration is a drawing, painting or printed work of art which explains, clarifies, illuminates, visually represents, or merely decorates a written text, which may be of a literary or commercial nature.

Paper V: Press Magazine Advertisements (Practical)

CO1: Under this course knowledge about press media will be given to the students. Newspaper and magazine ad.

CO2: Will be made both digitally and manually by students. They will be made aware about sizes of different advertisements.

CO3: Layout for Press advertisement and layout for magazines main importance should be given to the creative execution of magazine and press layout. Creativity of students will be polished and their skills will be developed.

CO4: By the end of semester 5 submissions will be submitted by students for final evaluation.

Paper VI: Sales Promotion and Packaging Design (Practical)

CO1: A sales promotion is a short-term program that aims to intensify the sales of a product or service. ... To make the product more valuable to a consumer, a sales promotion often offers a reduced cost or heightened product benefit. The main goal of creating any product, after all, is to attract customers and encourage them to buy your product. Because first impressions are so important to the buying process, well-designed product packaging can go a long way in putting your product into the hands of buyers. Ultimately, the goal of a packaging design is to meet marketing objectives by distinctively

communicating a consumer product's personality or function and generating a sale. There are tens of thousands of different products lining the shelves of the average supermarket.

Paper VII: Photography (Practical)

CO1:Arrangement of Dark room. Use of Dark room. (Knowledge of Enlarger, use of chemicals, time, Temperature and light.) Knowledge of different kind of photography paper and chemicals. Film developer and paper developer and then case. Making of contact sheet Making an enlargement from different formats of negatives. Indoor photography. (Table Top, Portrait, fashion, and composition of different kind of objects.(Rule of thirds) Knowledge of different kind of lights, exposure meter, and handling of lights. Outdoor photography knowledge of natural light, Rule Sunny 16, landscape, architecture, nature, wild life, events, study of common day to day life.) Black and white and color photography and Mounting and framing

Paper VIII: Computer Graphics (Practical)

CO1:Introduction to computer. Knowledge of different parts of computer Knowledge of Software and Hard wares. Using the detailed study of still objects, simplifying and composing it as a graphic illustration. Understanding the basic Desings of animals, birds or human figures. Simplifying it further for appropriate use in Applied Art.

Third Year (Bfa Semester-V)

Paper I : History of Art Theory. (Theory)

CO1: In this section students will learn about Pre Historic art and Egyptian art.students will Understand about Pre–Historic art, -Altamira, Lascaux. • Understand social life of early man. • Stylistic approach. • Cave Paintings. • sculptures and paintings-

Students will aslo learn about Egyptian art- Old Kingdom, Middle Kingdom, New Kingdom. • Stylistic approach. • Architecture. • Sculptures.

CO2: In this Unit Understand social, political, and economical scenario, stylistic approach art and architecture of Greek Period. Students will understand the functions of the visual art, sculptures , paintings in the Roman period covered in the course.

CO3: Students will achieve general overview of the history and development of Early Christian Art and Byzantine art and its historical, social, cultural, religious and political context.

CO4: This section contain Romanesque Art and Gothic Art. Students will get knowledge of social, political, and economical scenario of these periods. Along with this they learn about the art produced during this period.

Paper II: Aesthetics Theory (Theory)

CO1: In this unit students will learn about six limbs of Indian Art • Origin and development of Sadanga • Role in Sadanga in development of art • Applications of Six limbs in Indian Aesthetics

CO2: In this section students will learn Understand about the Rasa theory. Concept of Anandvardhan's dhavanyaloka with reference to Abidha, Lakshna origin and development student will get detail about these topics.

CO3: Students will gain a detailed knowledge about the Indian art and aesthetics in this unit. Along with this they study about Hindu shilpa Shastra in this unit.

CO4: This unit will enhance artistic and aesthetic sensibilities among the learner to enable them to respond and appreciate the beauty in different art forms. Students will learn about the Indian concept of beauty and relationship of art, artist and aesthetics.

Paper III: Advertising Profession and Practice (Theory)

CO1: This course will be more advance version of advertising theory. It will cover various aspects of the field including the *types different of advertisement*: local, regional, National Advertising, International advertising, consumer advertising, industrial advertising, trade advertising, Social Advertising, Political Advertising, Advocacy Advertising, Retail Advertising, Financial Advertising, Corporate Image Advertising, Public Relations Advertising, Institutional Advertising, Product Advertising, Service Advertising, Retail Advertising.

CO2: Students will learn about General introductions to the trends and development of modern advertising. a) Soft sell approach b) Hard sell approach Post war period, The Depression year,

World war 2nd and after, The creative revolution, The positioning era, Era of accountability, 2000 –present day.

CO3: students will learn about Concept of USP and it will be discussed along with the Applications of USP in advertising.

CO4: Campaign theory will be introduced in this semester. Introduction to Advertising Campaign Planning Definition of Campaign planning, Campaign Objectives, Basic principles to Campaign planning, various appeals, importance of unity and continuity in Advertising Campaign.

CO5: Advertising budget will be discussed in Advertising Budget: Meaning of Advertising Budget, Process of Advertising Budget, Methods of Framing the Advertising Budget, Approaches to Advertising Budget.

CO6: Students will be made aware about Brand Building and Advertising Management: Defining Brand, Life Cycle of a brand, Brand Positioning and the role of advertising.

PaperIV:Drawing and Illustration (Practical)
Drawing :

CO1:Includes drawing, painting of human figure & nature. Study of natural and manmade objects and forming good composition which help to complete the story board for Audio Visual advertisement. Using various viewpoints and angles perspective drawing of product as well as composition. Using illustration and composition, sketching as an aid for visualizing designs. Learning various Medias and techniques of creating illustrations with special reference to their utilization in advertising and further reproduction through various painting processes. Different styles of illustration in various medium. Cartooning (realistic, abstract, photographic), (Illustrator should be used for computer illustration).

PaperV Outdoor Media (Practical)

CO1:Posters, Show cards, Kiosks, Tran slides. Single & multi sheet posters, hoardings, window display (3D) and other popular outdoor advt. Medium like Transit advertising etc. Execution of works should be done using camera, as well as manually using airbrush, wherever necessary tools. Studying, understanding and practicing the technical limitations and possibilities.

Paper VI Press/Magazine Advertisement

CO1: In this course Comparative study of magazine advertisements, different types of press layouts, its types and uses will be discussed•

CO2: Students will learn about designing for press and magazine advertisements, other promotional layouts like brochures, folders, booklet, and book jacket.

CO3: Students will gain knowledge about selection of typefaces, calculation of copy according to space etc. in color. Applying manually technique using airbrush, hand illustration, photographs wherever necessary, but computer using only for slogan & copy matter which we can cut & paste method adopted for final art work. Creativity and originality of ideas should be nurtured. Min. 5 assignments will be submitted at the end of semester.

BFA Semester- VI

Paper I: History of Art Theory. (Theory)

CO1: In this section students will learn about Early Renaissance, the social, political, and economical scenario, Stylistic approach of this period.

CO2: In this Unit Understand social, political, and economical scenario, stylistic approach, art and architecture of High Renaissance. Students will recognize the works of major artists and can explain the formal qualities of each and the content in which it was created.

CO3: Students will learn about the Baroque, Mannerism and Rococo Art. Students will understand the technique and style of various artist. They will critically analyze the works of these artist

CO4: This section contain Neoclassicism and Romanticism. Students will understands the cultural diversity of heritage and the effects of artistic or philosophical influences as demonstrated through the study of art.

Paper II: Aesthetics Theory (Theory)

CO1: In this unit students will learn about Western Aesthetics, Aesthetic thought during Greek classical period– cultural background of the thought; • Concept of Mimesis • Concept of catharsis

CO2: In this section students will learn and Understand about NATURE OF BEAUTY • Plato • Aristotle • Hegel • Kant • Croce. Beauty as subjective and objective

CO3: Students will gain a detailed knowledge about Influence of society on Art; society as represented in art. and vice-versa

CO4: In this unit students will learn about Oriental and Occidental Aesthetics

Paper III: Advertising Profession and Practice (Theory)

CO1: In this course, theoretical knowledge about advertising agency will be given. Its structure and functions will be taught.

CO2: Various color printing techniques are also included in this course. This will include: (I) Letterpress Printing (ii) offset Printing (iii) Rotogravure printing (IV) Screen Printing. Further Plate making techniques i.e. Offset Plate making and Gravure Plate making are also included in this course.

CO3: Next chapter will be Introduction to Audio Visual advertising (i) Radio Advertising, advantages and disadvantages (ii) Television Advertising, advantages and disadvantages (iii) Film Advertising- Kinds of Films- straight advertising films, documentary films, sponsored advertising films, advantages and disadvantages.

CO4: Moving on, students will gain knowledge about what is marketing and Market Research (I) what is a Market, types of market (ii) what is Marketing, components of Marketing (iii) Market Research, Importance, Areas, and Scope of Market Research.

Paper IV Drawing and Illustration (Practical)

Drawing:

CO1: Study of Furniture, Buildings, Automobiles, Study of objects in wood, glass, metal, fabric
Drawing of 3d objects from 4 different views

Paper V, Outdoor and New Media (Practical)

CO1: Under this course student will be asked to experiment and explore waste material. Communicating an idea or advertising message through a print, installation, product, demonstration or mix Medias etc. according to material need will be taught.

CO2: Imagination and creativity will be encouraged. Works created must support outdoor theme. Both digital and manual work will be considered, depending upon the topic.

CO3: Camera clicked images will be encouraged, so that students become more comfortable while using camera.

Paper VI, Photography (Practical)

CO1: Slideshow: Building a slide show, Image selection, Configuring the Slideshow, Using Templates and settings, Playing and Exporting Print: Selecting photos, Using Templates, Print Layout, Output Settings–Color management, Web Selecting photos, Gallery templates, Customizing settings, Uploading website via FTP

Paper VII, Computer Graphics: (Practical)

CO1: Continuing further advance study carried out in previous semester. Drawing with the Curvature tool Creating compound paths, Building custom paths with the Shape Builder and Join tools, Painting and erasing artwork, Painting with a tablet, Designing of Projects on Illustrator

BFA Semester-VII

Paper I History of Art Theory. (Theory)

CO1: In this section students will learn about Bengal school, Stylistic approach and Technique. Along with this Art and contribution of Post-independence artist will be discussed in this unit.

CO2: In this Unit understand the term Realism and its difference from Naturalism. Students will recognize the works of major artists and can explain the formal qualities of each and the content in which it was created. Students will also learn about Impressionism and important artist of this unit.

CO3: Students will learn about the Post Impressionism and artist of this period. Students can learn lots of color theory and handling of different subject matter in this section.

CO4: This section contains topics like Fauvism and Expressionism. Both isms are good source of different techniques and styles.

Paper II Aesthetics Theory (Theory)

CO1: In this unit students will learn about Creative process, Role of Imitation • Role of Intuition • Role of Imagination

CO2: In this section students will learn and Understand about Theories related to work of art form and content.

CO3: In this unit student will get knowledge about THE CONCEPT OF EXPRESSIVENESS- Art as a means of expressing emotions through the use of different theories such as: • Tolstoy's theory • Collingwood

CO4: In this unit students will learn about CONTEMPORARY AESTHETICS IN POST MODERN ERA.

Paper III Advertising Profession and Practice (Theory)

CO1: In this course, theoretical knowledge about copy writing, including its function and process are discussed. Types of copy writing are also taught under this chapter.

CO2: Students will learn about Importance of marketing and consumer behavior in advertising
a) What is marketing b) Buying behavior, factors influencing consumer behavior c) Consumer decision making process.

CO3: Next will be Market research and motivational research a) the nature and scope of Market research and motivational research. b) Market research and Production c) Marketing policies and methods d) Market research and channel of distribution e) Importance of motivational research.

CO4: Further different methods of selling will be discussed which includes: **Personal Selling** a) what is personal selling? Its advantages and disadvantage. b) Role of Personal selling in advertising. **Public Relation** a) Meaning & Objectives of Public Relation b) Public Relation Tools: Media relation, media related events, Sponsorships, Lobbying, Advocacy. c) Public Relation in Brand Building.

Paper IV Press/Magazine Advertisement (Practical)

CO1: Under this course guidance will be provided about various press Medias, including newspaper and magazine etc. along with their sizes.

CO2: Exploring and executing different styles, types, layouts and their application to Press and know-how of selection of a consumer Product/Service followed by relevant research on Study of different types of Press/Magazine layout in colors.

CO3: in this part, students will learn how to make Story Board for Advertisements/interactive media (Concept development). Now advancement in campaign planning will be taught.

CO4: students will learn Planning of Campaign and Mini campaign through press/magazine advertisements etc. Execution of works should be done using computers, as well as manually using airbrush, wherever necessary.

Paper V Outdoor and New Media (Practical)

CO1: Exploring and experimenting with waste material. Communicating an idea or advertising message through a print, installation, product, Demonstration or mix Medias etc. according to material need. Works to be created for outdoor spaces' theme Create a new media graphical

design on a subject/theme using background graphics, illustrations, waste materials, collage, light and sound effects (as per need) to enhance the promotion of the advertised product or service or idea/concept.

Paper VI Photography (Practical)

CO1:Continuing further advance study carried out in previous semester. Making a Collage, Montage,Using Lighting effects, Photo Effects

Paper-VII **Computer** **Graphics:** **(Practical)**

Illustrator:

Continuing further advance study carried out in previous semester. Preparing an artwork for magazine illustrations, comic books, making cartoons for newspaper, Storyboard and illustrations for articles

In Design:

Continuing further advance study carried out in previous semester. Creating a prototype designing for publications like books, articles, journals, periodicals, magazines, catalogues, Business cards, postcards, letterhead, and envelopes. Large format signs or banners Completing Projects.

Paper IX Summer Training (Practical)

CO1:It is made compulsory for every student must work as a Trainee or intern in an organization, corporate, NGO to learn to work as a team to achieve a combine goal. Which is recommended by the College or student's own choice. The training is to further enhance the skills learnt during the course of study and prepare for working in the environment of industry/profession. Training can be done in Graphic design studios, Advertising Agencies, Publication Houses, Printing Press, Signage Designer, Newspapers, Photo Studio, Advertising Agency, Production House or Event Management Firm etc. After completion of the training students have to submit a training certificate on that basis they get marks.

BFA Semester-VIII

Paper I History of Art Theory. (Theory)

CO1: In this section students will learn about Introduction to progressive art group and other groups at Delhi, Calcutta and Madras (Cholamandalam, Shilpi Chakra).

CO2: In this Unit Students will learn about Cubism and Futurism. They will discuss and learn the style, technique and subject matter of great artist like Picasso, Braque and Boccioni.

CO3: Students will learn about the Dadaism and surrealism. Students can critically analyze the work of Duchamp and Salvador Dali.

CO4: This section contains topics like Abstract art and Pop art. Students will learn about the subject matter, style , technique of modern western artist like Wassily Kandinsky, Piet Mondrian, Andy Warhol ,Roy Lichtenstein

Paper II Aesthetics Theory (Theory)

CO1: In this unit students will learn about theories related to response and appreciation of art. Students will learn about Empathy, Psychological Distance and Pleasure.

CO2: In this section students will learn and Understand about Aesthetic Judgement of art, Recognition, Appreciation .Students will be able to do Criticism of art or an art work

CO3: In this unit student will get knowledge about Narrative in visual art. Students will study and discuss about narrative art of India and west. They will also learn about the importance of Metaphors and symbols in art.

CO4: In this unit students will learn about Abstraction in art and the difference between abstract and Realistic art. Students will also learn about the concept and role of Consciousness and sub-Consciousness in artistic creation.

Paper III Advertising Profession and Practice (Theory)

CO1: This course will put light on the Social, economical and legal aspects of advertising a) Economic impact of Advertising, Role of advertising in society, Advertising Ethics & Truth Common criticisms labeled against advertising Effects of Advertising on Production Cost, Effects of Advertising on Distribution Costs, Effects of Advertising on Consumer Prices, Advertising and Monopoly, Wastes in Advertising b) Legal aspects of Advertising, ASCI code of self-regulation in Advertising.

CO2: Students will learn the concept Intellectual Property Rights a) Meaning and importance of Intellectual Property Rights b) Defining Intellectual Property Rights: Patents, Design, Trademark, and Copyright.

CO3: Students will learn about the importance of Creativity In advertising a) Meaning of Visualization, Idea Generation & Brainstorming, creativity in layout and production.

CO4: Students will learn about Future of advertising design in other new Medias a) Internet Advertising, Types of Internet Advertising, Advantages and Disadvantages of Internet as a medium. b) Marketing through Social Sites: Objectives of marketing campaigns on social networks c) Advertising through Cell Phone Other new Medias.

CO5: students will learn how globalization effected the concept of advertising in India and further following will be discussed a) Meaning of Globalization b) Global Brands in India c) The Global Media d) Globalization of advertising Management. Advertising as a Vocation and different Positions in advertising.

Paper IV Campaign Display (Practical)

CO1: Students will learn about the Execution regarding integrated marketing related to various subject will be practiced and series of work will be made, showcasing the creativity and skill of students regarding digital software and advertising knowledge put together.

CO2: Students will understand the concept of various Medias that can help in execution of concept. Medias **may include:**• Promotional activities (Posters, hoardings, danglers,

merchandise etc.) • Publication design for Magazine or Newspaper • Electronic media, web design - home page with links.

CO3: By the end of the semester, students will submit final campaign which will consist various Medias depending on the topic of campaign.

Paper V Photography (Practical).

CO1:Continuing further advance study carried out in previous semester. Making a story board, TV commercial of 10-30 seconds, Social documentary of maximum 5 minutes.

Paper VI Interactive and audio visual media.

CO1:FLASH or (Animate):

Producing Flash graphics, development of interactive animations, video games, web Applications, desktop applications and mobile applications.

CO2:Adobe Premier Pro:

Audiovisual communication. TV commercials, short films for promotions, documentaries (Preparing and editing of visuals). Continuing further advance study carried out in previous Semester.

CO3: Adobe after Effect:

Doing projects with compositing, editing in two dimensional animation, and visual effects. Evolution of new ideas. (Advance works as according to supplement advertising/communication design works).

Department Of Design

(B.Design –Fashion and textile/interiors)

Program Outcomes

- It provides students with entrepreneurial opportunities to witness success and achieve greater pay package in the industry.
- Being an interdisciplinary course it teaches the students to work in different environments, independently or collaboratively to produce qualitative design.
- It helps to unleash the creativity of the students through innovative approaches in design field.
- Students do research, develop and evaluate design concepts and processes by thinking out of the box.
- Students learn to apply their skills and knowledge for the conceptualization, creation and production of design projects.

Course Outcomes

Semester 1

Drawing – I (Practical)

A: STILL LIFE

CO: 1

Topic: Introduction to meaning and importance of object. Drawing with reference to observation,

Proportion, balance, light and shade, form, colour, texture and perspective. It aims to provide the student to understand the basic structure & elements which a sense of observation to see the objects as basic shapes. Shapes that contain volume and visual textures & proportions, which make student to understand the surrounding in relation to the object with the study of light & shade. All combines together to understand the Space as fore-ground and background & in which one has to focus to get a balanced outcome of 3D object on 2D surfaces. Seeing light as

colour to understand VIBGYOR along with the perspective in which object are placed, it can be one point, two point or three point perspective to achieve the required image or composition.

CO: 2

Topic: Study of different objects with pencil, crayon and Charcoal only in line drawing. It aims to provide the student the knowledge of material & methods to produce an artwork of study which focus on the exercise based on to differentiate the foreground & background or positive & negative area in the spaces and contour line defines the outline of a form, as well as interior structure, without the use of shading. A fundamental basis of drawing, contour lines are usually the first technique students adopt to draw people, houses, and trees.

CO: 3

Topic: Study of transparent objects like glasses, bottles, Drapery in pencil and crayon Showing light & shade etc. it aims to provide the student the knowledge to use the material to attain the specific tone & capture the light & colour to understand the properties object & space.

CO: 4

Topic: Study of composition of different types of object in water colour, monochrome, halftone, Tempera, collage etc. on different paper & surfaces. It aims to provide the student the knowledge of different matrix with variety of exercises to understand the properties & techniques to use material and methods to create variety of effects on the surfaces.

B: NATURE STUDY

CO: 1

Topic: Study of plants and different types of trees and its different parts and construction in line drawing, pencil shading and water colour. It aims to provide the study of plants of different shapes & forms to create & understand the volume, textures, tones and transparencies.

CO: 2

Topic: Detailed study of the following with reference to its construction, characteristics, form, colour and texture from different angles, in pencil, pen and colours, flowers, vegetables, birds, fruits, animals, butterflies, insects etc. It aims to understand the creative flow of different lines

and its meaning by using it in the desired space to attain the required result in colours as well as pen & pencil tones.

CO: 3

Topic: Study of element of nature in landscape for composition based on different season. It provide the student to observe nature & different seasons with atmospheric changes in colour and light in a composition, which contain the elements of drawings in a visual harmony.

C: OUTDOOR SKETCHING

CO: 1

Topic: Visit to museum to appreciate various sculptures in stone, bronze casting, wood, ceramics, fiber and other mix media and being able to execute it. It aims to provide the understanding of different artworks and material for rendering the different materials under one roof as well as the history and the legacy of Indian Art.

CO: 2

Topic: An educational trip to Delhi and Jaipur to various historical monuments to impart architectural education, historical landmark like Ajanta and Ellora which helps students to understand historical actions of the past. It aims to provide the students the historical references in a more practical way to understand the richness of Indian history in aesthetical approach. And study the objects & monumental outcome of Art in Its surroundings.

CO: 4

Topic: Frequent visits to other outdoor locations like: Railway Station, Bus Stop, Restaurants, Market etc. It aims to develop the vision of students to see & compose the spaces into the visuals of aesthetical sensibilities with knowledge of perspective, colour and drawing.

Colour (Practical)

CO: 1

Topic: Introduction to Colour and Colour wheels Primary, Secondary, Tertiary colours. Understanding Hue, Value, Tint & shade. Meaning and Understanding of Colour intensity by making a chart. Physical and emotional reactions of colours. It aims to provide the student with

the knowledge of the color wheel can help to find the harmonious color combinations based on the geometric relationships represented on the color wheel.

CO: 2

Topic: Balance with Colour Achieving different Grades of colour: Pale, Light, Vivid, Bright, Dull, Deep. Colour Interpretation–Expression, Mood, Seasons, Colour schemes–Analogous, Complimentary, Monochrome, Achromatic, Adjacent, Warm and Cool Colours. It aims to provide the students with the knowledge of Balance in composition to balance the different elements, of which each has a visual weight using colours. Psychological values of colours along the physical properties of colour schemes.

CO: 3

Topic: Understanding of Methods–Pencil (all types), Soft Pastels, Oil Pastels, Chalk and Conte Crayon, Charcoal, Pen and Ink, Brush and Ink, Different Type of Brushes, Water Colours, Gouache, Oil Colours, Acrylic Colours, different types of paper: It provides the students to understand variety of surfaces and material methodology to execute an artwork. It helps to build the confidence in the students to use the variety of materials on different surfaces.

Basic Design (Practical)

CO: 1

Topic: Basic Elements of Design. It aims to provide the students with knowledge of fundamental of design and it's aspects of any visual design which include shape, color, space, form, line, value, and texture. Students use the elements of design to create an image that can convey a certain mood, draw the eye in a certain direction, or evoke a number of feelings.

CO: 2

Topic: Basic shapes Man Made and Natural. It aims to provide the students with knowledge of Geometric shapes generally have a specific name associated with them. Examples include: circle, triangle, square, and trapezoid. Many man-made objects are made in the form of geometric shapes and Natural/Organic or freeform shapes are shapes that seem to follow no rules. Organic shapes generally do not have a name associated with them and are typically not man-made. Organic shapes can resemble things that we find in nature.

CO: 3

Topic: Forms in relation to design. It provides the students to understand three dimensional form, and there are two types: geometric (man-made) and natural (organic). A digital or physical form can be measured by height, width, and depth. A form can be created by combining shapes, and it can be enhanced by color or texture. Depending on their usage, they can also be ornate or utilitarian.

CO: 4

Topic: Movement, Transition, Mirror, Rotation. It provides the students to understand of movement to be applied to lines, shapes, forms, and textures, and can even move objects in space. This is particularly useful because it allows forms or shapes to take on a personality or tell a story.

CO: 5

Topic: Stylization (Traditional, Decorative, Geometric). It provides the students to understand Stylization as inclusion of artwork, plants, objects, textures and other design elements that bring a space to life. Though stylization is a crucial component of design.

CO: 6

Topic: Texture and pattern and Repetition, Splitting (Abstract).). It provides the students to understand texture as the way a surface feels, or the way it's perceived to feel and using those tactile sense to create patterns in repeat as visual harmony. Which can be further splinted to create an abstract design with aesthetical sensibilities.

Workshop–I (Practical)**CO: 1**

Topic: Clay Modelling /Paper Clay. It provides the students to understand the elastic quality of an artwork along with low relief carving with the flexible surfaces.

CO: 2

Topic: Plaster of Paris. It provides the students to understand the carving techniques on solid surface to create 3D mural and low relief view point with additional materials as experiment to produce an artwork.

CO: 3

Topic: Tin foil. It provides the students to understand to manipulate the surface to engrave or inlay the incised surfaces to give it a 3 dimensional look.

CO: 4

Topic: Oil Colour, Acrylic Colour /Fabric Colour. It provides the students to understand to stylization of the surface to create an artwork with variety of experiments.

Semester 2

Drawing And Illustration (Practical)

A: Life Study**CO: 1**

Topic: Knowledge and proportion of human figure and various parts of the body and its proportion, planes masses, postures, rhythmic unity of body parts. It aims to provide the knowledge of human body, Proportion of male/female according to anatomical study of posture, gesture in different actions in relative proportion and opposing curves in human body.

CO: 2

Topic: Study of human figure in different mediums like: Pencil, charcoal, poster, water colours, pen and inks etc.to develop illustration techniques and skills. Study of full human figure in different postures with book reference to live models– Male/Female students are required to sketch regularly and submit a hundred free hand–quick sketches (outdoor/Indoor situations and compositions) every week. . It aims to provide the enhanced skill to make illustration with

different materials on different surfaces using human anatomy proportion & gestures with regular sketches to build the quality and speed of the students.

B: Illustration

CO: 1

Topic: Improving Drawing skills and composing different scenes. . It aims to provide the students with knowledge to execute with imagination as illustration helps to develop the creative sensibility & skill to illustrate different scenes.

CO: 2

Topic: Understanding illustration and techniques with subject to communication and narration. It aims to provide the students with knowledge to illustrate with different materials & methods according to design requirement.

CO: 3

Topic: Simplification/Stylization/manifestation of drawing into/for illustration. It aims to provide the students with knowledge to develop the illustration by modifying the surfaces with materials & skills.

Colour And Design & Communication (Practical)

CO: 1

Topic: Principles of Design. It aims to provide the students with knowledge of basic components are essential in art and design and how you can visually construct pieces. Each element is a crucial part of a visual message, and the combination of these has an impact on how the design is perceived. The principles of design are a set of rules that designers can follow when creating a composition to create visually pleasing work. The purpose of these rules is to deliver a message in the most organized and functional way.

CO: 2

Topic: Designs in Modern colour schemes/ Variation in relation to visual Communication. It aims to provide the students with understanding of colour schemes used in professional layouts or theme and exercises related to variation possibilities in design.

CO: 3

Topic: One point colour scheme & effect of colours placements & colour ways of specific design. It provides the specific way to colour placements of design in relation to adaptation of environment

CO: 4

Topic: Study of an area in relation to its surroundings seeking out a problem, analysis and Formulation basic design & its Flexibility in relation to adaptation. It aims to focus on developing the solution in design problems.

CO: 5

Topic: Communication through Abstraction in/with constraints. Exercise: visualization of an Idea (Rhythm and chaos) Exercise based on Combination of Concepts/ Ideas, Medium of Collage. It aim to provide the knowledge to create idea & execution of a design product in various methods & skills with discussion of collage Exercises Group project based on Subject Colour-2 and Subject Design Co-ordination of all

Workshop-II (Practical)**CO: 1**

Topic: Photography and Digital Printing. It provide the contemporary photography knowledge along with modern techniques of printing a photograph. It's Importance in relation to Design and Communication Handling the Camera, understanding different kinds of camera and exposures Taking pictures in Different light conditions to achieve a professional outcome of the product.

CO: 2

Topic: Compositions: Figurative, Architectural, Street Photography, Object Study in various Light Conditions, Creative Photography. . It provide the student skill to take a perfect exposure in various light conditions.

CO: 3

Topic: Using wide angle lenses, Tele Photo lenses, zoom lenses, Normal lenses. It aim to provide the knowledge of accessories used in variety of exposure with the help of lenses and it's correct understanding to use in right space.

CO: 3

Topic: Product Photography in various light conditions (Studio and Outdoor) Architectural photography (outdoor/indoor) of historical monuments of India. It aims to provide the student the knowledge to use the camera to produce the photo essay and documentaries for data collection.

SEMESTER 3**(Fashion/Textile)****Design Development (Practical)****CO1:**

Topic: Understanding Design Composition and Patterns & Understanding and Developing of Traditional Designs (Centerline, Ogee, Paisley, Grape wine, Jalli) : It aims at providing knowledge about indian traditional designs and pattern formation.

CO2:

Topic: Different types of placements/repeats and Colour ways: This will provide the students the knowledge about innovations in placements/repeats and color schemes.

CO3:

Topic: Understanding the fashion figure, its analysis (3 different postures—fronts, 3 quarters, profile), Understanding style lines in fashion figure and Analysis of hands, feet and face: This will help the students to understand the basics of Fashion Illustrations, fashion figures, style lines.

CO4:

Topic: Rendering Croquis with colored pencils and Fashion Details Pockets Sleeves Cuffs Collars Necklines Skirts Pants Silhouettes: It Builds knowledge about croqui rendering. It also aims at exploration of fashion portfolio focusing on basic fashion details and silhouettes.

Workshop (Practical)

CO1-Topic: Understanding and Development of Screens- It helps students to practice design approaches, methods, and tools to convert your imagination into reality. Develop skills to prototype and iterate design concepts.

CO2-Topic: Construction of A line and gathered frocks -- It will help the students to understand design and Construction of kids garments.

CO3--Topic: Construction of different types of pockets and adults bodice block--It aims at understanding of Construction of different types of pockets and basic adult patterns.

CO4--Topic: Basic embroidery stitches and Construction of samples of Indian traditional embroideries--- It will provide a deep understanding about technical and design part of Indian traditional Embroideries.

Computer Aided Design (Practical)

CO1:

Topic: An Introduction to Corel Draw, Working with Corel Draw, And Introduction to Drawing Tools: It introduces Corel draw software to Use visual design tools and methods to communicate ideas. Through different tools of corel draw one learn to visually generate, iterate, and refine ideas.

CO2:

Topic: Changing attributes of Graphical objects i.e. Fill and Outline colour and styles, File Menu : This will enable students to play around color filling , outlines and exploration of file menu to create own colours, fill patterns and texture

CO3:

Topic: Working with Text, Creating Special Effects: This enables students to focus on working and editing of text such as Use of Artistic Text, Character Commands, and Converting text into

Curved object. It also aims at creating special effects like perspective, envelop, Blending two objects to create transformations, creating a 3D object and adding contours.

CO4:

Topic: Working with objects: It focuses on Group/Ungroup objects, Weld and Trim, changing order of objects and Combining of two objects

Market Survey (Practical)

CO1:

Topic: Students will Survey the Market and survey on and collect samples of Yarns • Weaves • Knits • Non-woven fabrics • Dyed Fabrics • Printed Fabrics • Embroidered Fabrics • Narrow Fabrics : This enables students to Investigate how design works in the world, Analyze trends in the market and collect samples of different fabrics in terms of - Yarns, Weaves, Dyed, Printed, Embroidered ones.

CO2:

Topic: Project report on the basis of industrial visit: This will help students to gain and club knowledge of their experiences in real-time Industries. It prepares them for the next steps on their professional path by working on real- world problems with real- world constraints.

Technical Theory (Theory)

CO1:

Topic: Fashion / Textile Vocabulary: It aims at introducing basic fashion and textile terms to students to create their strong base in fashion and textile vocabulary.

CO2:

Topic: Fashion details – Collars, Sleeves, Necklines, Skirts, Trousers and Pockets: It aims at providing knowledge about basic Fashion details which helps to build a garment from scratch to the final design. It will help students to learn different types and names of collars, sleeves, necklines, skirts, trousers and pockets.

CO3: Topic: Classification of Fibers - Vegetable Fibers - Cotton, Linen , Animal Fibers – Wool, Silk , Synthetic Fibers – Polyester, Nylon , Rayon: It Builds knowledge About Fibres and its types and will teach students the basics of how different fibres help in construction of different fabrics.

CO4:

Topic: Introduction and Classification of Weaves & yarns: It provides knowledge about different weaves and yarns along with the implementation weaving techniques to understand the construction of different fabrics.

Historical Study Of Fashion & Textile Designing-I (Theory)

CO1:

Topic: Study of Traditional costumes of the following States: • Eastern States: West Bengal & Orissa

• Western States: Rajasthan • Northern States: Gujarat • Southern States: Tamil Nadu: It enables students to gain knowledge about traditional costumes of different regions of india covering different states from all the four corners of our country which will help them to build strong historical background in cultures, clothing and accesories.

CO2:

Topic: Study of Following Traditional Woven Textiles : • Brocades • Baluchari • Chanderi • Kanjivaram • Ikkat • Paithani • Kota: It is the study of Indian traditional textiles. It involves study of different woven textiles and learn methods of weaving techniques keeping in mind the origin of textiles, its methods, motifs and colors to understand how people thrived in terms of design.

SEMESTER 3

Interiors

Design Development–I (Practical)

Drafting & Rendering

CO1

Topic: Types of Lines, Architectural Symbols

- Students will be able to apply formatting and lettering methodology as basic drafting techniques.

CO2

Topic: Isometric, Axonometric, Perspectives

- To develop a skill to draw three dimensional projections and perspectives using different methods.

CO3

Topic: Orthographic Projection of simple solids– Plan, Elevation and Section Drafting of furniture–Stool, Table and Chair

- Students will be able to generate two-dimensional drawing such as plan, elevations & sections.
- To develop skill to render the drawing in different techniques & medium.
- To develop the drafting skills mandatory higher techniques of drafting.

Computer Aided Design (Practical)

CO1

Topic – basic concepts and setting documents

Students learn opening, saving and closing a file. Helps to learn how to use tools, view documents, use of rulers and changing sizes.

CO2

Topic – working with graphics and adding text

Students learn to work with styles, creating and modifying text, use line text, drawing figures, adjusting segments, modifying and coloring shapes and using transformation tools.

CO3

Topic – dimensioning concepts

Students learn different types of dimensions like linear, angular, radial, aligned, continued, diameter etc.

CO4

Topic – hatching drawings

Students learn different types of hatching patterns, create associative hatch, edit command, trimming and matching hatch properties.

Market Survey (Practical)

CO1

Topic – Study of materials

Students study and survey of rates, estimates and varieties of wood finishes, laminates, paints, accessories and hardware, furnishings and flooring.

CO2

Topic – Survey of materials

Students will gain knowledge from market. They remain up-to-date about materials and prices by visiting to exclusive showrooms.

Historical Study Of Interior Design-I (Theory)

CO1

Topic – Period furniture

Students will gain knowledge of Egyptian, Greek, Roman furniture.

CO2

Topic – Period furniture

Students will gain knowledge of Romanesque, Gothic and Renaissance furniture.

CO3

Topic – Period furniture

Students will gain knowledge of Baroque, Neo-classism and Chippendale furniture.

CO4

Topic – Modern furniture

Students will gain knowledge of Art Noveu Movement, Modern Movement, Art-deco Movement and Post Modern Movement furniture.

Technical Theory (Theory)

CO1

Topic: Introduction to carpentry tools & their functions

It aims at learning various carpentry tools and their uses in furniture pieces.

CO2

Topic: Different types of finishes and polishes.

It will provide knowledge about various classification of woods, their properties, finishes and polishes used to treat them aesthetically.

CO3

Topic: Different types of boards

It will provide knowledge about various types of boards used and the laminates used in furniture pieces.

CO4

Topic: Different types of joineries, stools, tables and chairs –

It aims at providing knowledge about the joints and joineries used to build a furniture using boards, veneers, and other laminates.

WORKSHOP–I (Practical)

CO1

Topic: Furniture design on a theme or related to residence.

- Students shall be able to relate an understanding of the nature of design, its origins and its evolution as a modern profession.
- Student shall be able to interpret dimensions of human body in relation with the furniture of a residence.
- Students shall be able to apply components of furniture structure, Joinery and detailing

CO2

Topic: Model Making of a Residence using innovative materials

- Student shall be able to develop and create the form proportions and design development of simple piece of furniture by making models with mount board, sun board, thermocol etc.

Semester 4

(Fashion/Textile)

Design Development Ii (Practical)

CO1:

Topic: Understanding and Development of Contemporary designs [stripes, checks, dots, diapers, abstract] and Colourways, Floral woven designs: This focuses on the development of Contemporary Designs which covers formation of stripes, checks, dots, diapers, abstract designs. It also enables students to understand colorways and create multiple woven designs.

CO2:

Topic: Fashion Art • Office Wear • Resort Wear • Occasion Wear : It aims at the introduction of fashion concepts, its basics, primary and secondary research of the themes to understand how an inspiration works.

CO3:

Topic: Mood Board • Concept Board : It enables students to understand how mood and concept is derived from an inspiration and how mood boards and concept boards are created to further build a concept.

CO4:

Topic: Fashion Illustration: After the development of the concept and mood board from a theme, it helps students to bring their research work into reality by designing garments on fashion croquis and create fashion illustrations on their fashion themes.

Workshop (Practical)

CO1---Topic: Drafting and construction of Indian traditional garments - It aims at learning the basic patterns and innovations in Indian garments and the role of dart Manipulation in creating different styles of blouses and other Indian garments .

CO2--Topic: Drafting and Construction of Basic skirt- It will provide the knowledge of pattern making of different styles of basic skirt .

CO3----Topic: Printing and weaving of design projects 1&2-- It aims at production of products based on printing and weaving techniques.

CO4---Topic: Dyeing with different dyes will provide the students about knowledge of different dyes for different fibres and yarns.

Computer Aided Design (Practical)

CO1:

Topic: Introduction to photoshop • Working with tools • Using menu and colour palettes: It introduces Adobe photoshop software to Use visual design tools and methods to communicate ideas . It covers exploration of toolbox, different menus and color palettes available in adobe illustrator.

CO2:

Topic: • Working with mask • Concept of path (segment, anchor, curved, closed, open, subpath) • Importing and exporting images : This focuses on the working of masking tool, creation of closed and open path by understanding the structure of path and also enables students to know ways to play around images to import and export them on the working space.

CO3:

Topic: • Working with layers, channels and actions, history • Using navigators: It includes introduction to layers, its working and its subtools. It also aims at providing knowledge about different navigator tools along with its shortcuts in illustrator.

CO4:

Topic: • Applying effects/Filters • Photo Editing • Make Minimum of 10 Assignments : Through different effects available in adobe photoshop, one learns to visually generate, iterate, and refine ideas in their artworks which will also help them to understand different ways to edit their photos. By learning different tools , students have to work on 10 different interesting assignments in order to refine their skills.

Market Survey (Practical)

CO1--- Topic1: Market Survey of handloom and powerloom fabrics- It will provide a complete understanding of knowledge about handloom and powerloom fabrics and differences between these.

CO2---Topic: Machine embroidery samples- It aims at providing knowledge about different types of machine embroideries and its usage.

CO3--Topic: Laces, Braids and fasteners-- It will help students to understand various types of laces, braids and fasteners available in market and usage of these in their designs.

CO4--Topic: Visit to manufacturing units and exclusive showrooms- It aims to provide firsthand experience of complete process of fabric Construction and latest designs in fabrics.

Technical Theory (Theory)

CO1:

Topic: Study of handlooms – Pit Loom, Draw Loom , Study of power looms- Shuttle loom, Rapier Loom, Air jet Loom, Water jet Loom, Circular Loom : It aims to gain a broader experience by studying about the technical part of Fabric Construction i.e. study of handlooms, its types and study of power looms and its types.

CO2:

Topic: Introduction and Classification of Fabric Finishes, Importance of Fabric Finishes: It aims to provide knowledge about the introduction of different fabric finishes, its types and its importance.

CO3:

Topic: Introduction to Dyeing: Natural dyes, synthetic dyes & Classification Dyeing- Acid, Basic, Direct, Reactive, Vat, Disperse and pigment dyes: This focuses on the introduction to dyeing technique, its types- natural and synthetic, methods of dyeing and how different dyes react in their own ways on different fabrics.

CO4:

Topic: Printing , Types of Prints- Duplex, discharge, Flock, resist, engineered, Bloch and burnt-out ,Techniques of prints-Block, Screen, Resist, Roller, Stencil and Transfer : It aims to gain a

broader experience by studying about the technical part of Fabric printing i.e. what printing is, its different types and different methods of printing in order to achieve different outcomes on fabrics. These are important so as to know about the hidden knowledge on which fabric holds what characteristics and what method of printing will suit the outcome required.

Historical Study Of Fashion & Textile Designing- Ii (Theory)

CO1:

Topic: Origin of Clothing. • Indus Valley • Vedic period : It is the study of past events to Investigate the roles that physical and visual forms played in our lives which lead to different theories behind origin of clothing. It also aims at providing knowledge about how different designs in garments and accessories thrived in indus valley civilization and that of in Vedic period.

CO2:

Topic: Egyptian • Greek • Roman: It focuses on the study of three different time periods, their costumes for men and women, their accessories, footwear and headgears in detail.

CO3:

Topic: Traditional embroideries of following states- • Punjab, Himachal Pradesh, Uttar Pradesh, Jammu & Kashmir, Gujarat, Bengal and Karnataka: : It aims to gain a broader experience by studying about different traditional embroideries of different states which covers types of stitches, color story and motifs used in them.

CO4:

Topic: Printing • Sanganeri • Kalamkari • Azrak • Bagru : : It is the study of different fabrics created by different printing techniques which belong to different area of India which will provide knowledge about not only the printed fabrics but their origin, colors, motifs and methods of printing.

SEMESTER 4

Interiors

Design Development–II (Practical)

CO1

- Understanding the relationship between architectural and interior spaces.
- Analyze the emerging trends & works of professional designers.
- Student will be able to learn advanced building materials like glazing, wood panelling used in partitions and staircases.

CO2

Topic: Conference Room, Salon

- Student will be able to apply design process, as well as expertise across functional areas in designing displays.
- Student will be able to analyse spaces and furniture to be accommodated in office and public spaces.

Workshop II (Practical)

CO1

Topic: Furniture Design on a particular theme

- Students will be able to define the importance and need of human dimension and comfort with relation to furniture design
- Furniture will be made taking care of ergonomics
- Students will do the sale and marketing of furniture

Historical Study Of Interior Design-II(Theory)

CO1

Students will gain knowledge of Indus valley Civilization (Harappa and Mohenjodaro) and The Hindu Architecture of The Shunga dynasty – Chaityas, Viharas and Stupas.

CO2

Students will gain knowledge of Hindu Architecture of the South Indian period – Pallavas and Hoysalas and The Jain Period (Dilwara Temple).

CO3

Students will gain knowledge of Islamic Architecture of Akbar Period (Agra Fort, Fatehpur Sikri) and Shahjahan Period (Taj Mahal, Redfort, Jamama Masjid).

CO4

Students will gain knowledge of Indian Architects (design philosophy and one building) of Hafeez Contractor, Raj Rewal, BV Doshi, Charles Correa.

Market Survey (Practical)**CO1**

Students study and survey of rates, estimates and varieties of bricks, stones, glass, flooring, paneling and cladding.

CO2

Students will gain knowledge from market. They remain up-to-date about materials and prices by visiting to exclusive showrooms.

Technical Theory (Theory)**CO1**

It aims at providing knowledge of various types of panelling and cladding used in furniture.

CO2

It provides knowledge of types of walls used in construction. Also, knowledge of different types of brick bonds and their application is given to the students.

CO3

This topic includes the proper construction detail of a building in which students are given knowledge of a section through a load bearing wall. This section include foundation details, door details, window details, sill and lintel level details and terrace details.

CO4

This topic provides knowledge of different types of roofs used in building construction. Also, the detailed understanding about the roofs used in different regions of the country is provided.

Computer Aided Design (Practical)

CO1

It aims at providing practical knowledge of the AutoCAD 2D software to the students which includes working in layers, viewports, blocks, layer properties, coordinate system.

CO2

It aims at providing the proper knowledge of the software google sketchup to make 3ds of various projects in interior design.

SEMESTER 5

(Fashion/Textile)

Design Process–I (Practical)

CO1:

Topic: • Understanding of concepts • Research on respective concepts/ideas • Time Planning • Project proposals • draping and sketches • Graph Weaving : : It focuses on Working in collaborative, dedicated studio spaces, students cultivate skills and learn design concepts, Research on respective ideas, Project proposals, Graph Weaving.

CO2:

Topic: • Design Project–I– One Domestic Market (Fashion & Textile) • Design Project–II– One International Market (Fashion & Textile) : This focuses on The concepts based on Domestic Market and International Market that help develop and refine their ideas further.

CO3:

Topic: • Design explorations • Fabrics • Boards (Mood, concept, trend) • Colours : It aims to development of design concept and focuses on motif exploration and designer's research. Students learn about the fabrics to be used in the collection and the creation of different boards according to the concept.

CO4:

Topic: • Market study and analysis (of domestic and international markets respectively) • Illustrations : : It aims at the study of market both domestic and international and creation of illustrations according to the designs of the concept.

Workshop–III (Practical)

CO1---Topic:Drafting and construction of Indian traditional garments - It aims at learning the basic patterns and innovations in Indian garments and the role of dart Manipulation in creating different styles of blouses and other Indian garments .

CO2--Topic: Drafting and Construction of Basic skirt- It will provide the knowledge of pattern making of different styles of basic skirt .

CO3----Topic:Printing and Weaving of design projects 1&2- It aims at production of products based on printing and weaving techniques.

CO4---Topic:Dyeing with different dyes will provide the students about knowledge of different dyes for different fibres and yarns.

Computer Aided Design (Theory/Practical)

CO1:

Topic: 1. Introduction to Adobe Illustrator Application of Illustrator in Fashion Designing 2. Basic Concepts Opening and closing documents Saving document Setting preferences Using the Toolbars Using Palettes :

It focuses on Adobe Illustrator software to Use visual design tools and methods to communicate ideas . Through different tools of Adobe Illustrator one learn to visually generate, iterate, and refine ideas.

CO2:

Topic: Viewing & setting up Documents Viewing Documents Using Rulers Changing the Art board size :

It is the study of setting up of documents in adobe Illustrator. Through this one learns to use rulers, change art board size and do overall setting of documents.

CO3:

Topic: Working with Graphic & Colour About vector Graphics bitmap images About colour Models About Paths & Anchor Points Drawing with Pen & Pencil Tool Adjusting path segments Drawing Rectangles Ellipses Polygons etc. :

It aims at vector graphics as one learns about pen and pencil tool and how working of paths & anchor points is done. This is very useful as it provides knowledge of the working of graphics.

CO4:

Topic: Modifying shapes & Applying Special Effects Using the Transformation Tools Blending Shapes Working with Compound paths About the Ink Pen Filter :

Through different effects available in adobe illustrator, one learns to visually generate, iterate, and refine ideas in their artworks which will also help them to understand different ways to edit their photos. . Students learn to blend shapes and work with compound paths. By learning different tools, students have to work on 10 different interesting assignments in order to refine their skills.

Market Survey (Practical)

CO1-- It aims at providing knowledge of various brands of garments and accessories of kid's teenagers, men and women in terms of design elements and marketing.

CO2--- It will help students to understand the current market trends in terms of colors, silhouettes and surface ornamentation of garments and accessories.

CO3-- It aims at providing knowledge about latest designs in various categories of textiles such as home and office, hospitals, hotels furnishings

CO4-- It will provide a firsthand experience of manufacturing process of garments and latest designs of furnishings available in market.

Technical Theory (Theory)

CO1:

This module aims at the study about Selection of clothing for different age groups. Students gain knowledge about the different factors that are to be kept in mind while selection of clothing of different age groups.

CO2:

It aims at factors affecting clothing choices ,Wardrobe planning, budgeting, inventory planning.

CO3:

It focuses on detailed study about Fashion Forecasting and its importance in Fashion industry. Students gain knowledge about the different sources and categories of fashion forecasting. It also aims at the study of different fashion trends and role of fashion coordination.

CO4:

Solution dyeing, Fibre dyeing, Yarn dyeing, Piece dyeing, Garment dyeing : This focuses on the introduction to dyeing technique, its classification , stages of dyeing and how different fabrics , yarns and garments can be dyed.

Historical Study Of Fashion & Textile Designing-III (Theory)

CO1:

It focuses on the study about Leading Designers like Ritu Kumar and Ritu Beri and their Creations , on how their Careers & Collections have an impact in fashion industry.

CO2:

It focuses on the study about Leading Designers like Abu Jani and J.J. Valaya and their Creations, on how their Careers & Collections have an impact in fashion industry.

CO3:

It focuses on the study about Leading textile Designers like Satya Paul, Meera and Muzaffar Ali, Niki Mahajan Aneeth Arora & Neeru Kumar and their Creations , on how their Careers & Collections have an impact in textile industry.

CO4:

It aims at the study of past events and costumes of different eras like gothic period, renaissance period & Byzantine period. Students learn about the costumes that were used in the past so that they can take elements from there and create something new.

Semester 5

Interiors

Design Process–I (Practical)

CO1

- To introduce the basics of designing for residential spaces including and their interiors to develop skills required for the same.
- Emphasis on planning show rooms and commercial spaces

CO2

- Detailed knowledge of working drawings used in architectural offices is given to the students.

- Sanitary and electrical working details of a residential design is taught.

CO3

- Students are made to learn and design a proper landscaping space which includes knowledge of different trees, plants, bushes and difference between hardscape and softscape is taught.

Workshop III(Practical)

CO1

- Students shall be able to relate an understanding of the nature of design, its origins and its evolution as a modern profession.
- Student shall be able to interpret dimensions of human body in relation with the furniture of a residence.
- Students shall be able to apply components of furniture structure, Joinery and detailing

CO2

- Student shall be able to develop and create the form proportions and design development of simple piece of furniture by making models with mount board, sun board, thermocol etc.

Historical Study Of Interior Designing-III(Theory)

CO1

Students will gain knowledge of history and construction details of Greek architecture.

CO2

Students will gain knowledge of history and construction details of Roman architecture.

CO3

Students will gain knowledge of history and construction details of Renaissance & Gothic Architecture.

CO4

Students will gain knowledge of various architects and their works.

Computer Aided Design (Practical)**Autocad 3d****CO1**

Helps students in organization and planning. Students can create 3D drawings with drawing commands in autocad 3D. They learn types of solids, U.C.S., applying and editing material, solid editing and rendering.

Market Survey (Practical)**CO1**

Students study and survey of rates, estimates and varieties of electrical fittings, accessories, lighting, false ceiling and air conditioning by visiting to exclusive showrooms.

CO2

Students will gain knowledge from market survey. They remain up-to-date about materials and prices by visiting to exclusive showrooms.

Technical Theory(Theory)**CO1**

Students learn various types and construction of false ceiling, landscaping of Mughal, French, Japanese and knowledge of interior and exterior landscaping.

CO2

Students will gain knowledge in services of electrical and sanitary. The study of these can help students in making residential and commercial projects.

CO3

Students will gain knowledge in studying different types of doors and windows. This helps to know that which door or window is suitable while doing a project.

CO4

Students will gain knowledge in lighting in interiors and also study of air conditioning.

SEMESTER 6

(Fashion/Textile)

Design Process–II (Practical)

CO1:

This focuses on inspirational designing based on different concepts and innovative themes followed by designing a range keeping different fabrics, silhouettes, colors and accessories in mind.

CO2:

This aims at creation of personalized croquis so that students can show their own uniqueness in the croquies and it can be easily identified that which illustration belongs to a particular student. This also focuses on the different innovative techniques to create a portfolio so that every student creates their own unique portfolio.

CO3:

Topic: • Logbooks showing design exploration and documentation to be maintained:

It aims to gain a broader experience by providing the knowledge of Documentation in form of log books. Students learn to create logbooks and do design and motif exploration with other research work compiled in it.

CO3:

It aims at Carpet development & designing for silk and cotton sarees.

Workshop–IV (Practical)

CO1--- Topic1: Pattern making and construction of trousers aims at providing knowledge about basic trousers and innovation in it.

CO2---Topic: Innovative lower garments and draped garments-It will help the students to explore various styles of lower garments and draping innovations.

CO3--Topic: Weaving and printing of Furnishings and dress materials--It will help students to express themselves while creating woven and printed designs for office and home furnishings and dress materials.

CO4--Topic:Recycling and Upcycling-- It aims at understanding the minimization of fashion industry waste while creating art pieces .

Computer Aided Design (Fashion Design) (Practical)

CO1:

Topic: • About painting in Adobe Illustrator • Setting Paint Attributes • Using the Color & Swatches Palette • Painting by Dragging & Dropping • Setting the Attributes : This provides the complete knowledge of software i.e. Adobe Illustrator . Through the adobe illustrator a student can learn how to transform their design imaginations into the virtual sketch with digital draping, print development & silhouettes. Students learn how different colors and swatches can be used to create illustrations and how different paint attributes work.

CO2:

Topic: Creating Gradients & Patterns: Using Layers: • Using the Layer Palette • Creating Layers and Setting Layer Options • Moving objects within Layers • Changing the order of Layers: It includes introduction to layers, its working and its sub tools. It also aims at providing knowledge about different navigator tools along with its shortcuts in illustrator.

CO3:

Topic: Using Type Importing & Exporting Artworks: • Using the Clipboard to Import and Export Artworks • Using the drag and drop Features to Import and Export Artwork • About Graphic File Formats Printing Documents : This focuses on the working of type tool, creation of artworks and using clipboard to import and export artwork and also enables students to know ways about printing a document.

CO4:

Topic: Producing Colour Separations, Making Computerized Fashion Folio Filter: This provides knowledge about producing colour separations in adobe illustrator. With the help of adobe illustrator one learns to visually generate, iterate, and refine ideas in their artworks. Students learn to create different fashion illustrations. By learning different tools, students have to work on 10 different interesting assignments in order to refine their skills which they further add in the portfolio.

Technical Theory (Theory)

CO1- Section A aims at providing knowledge about various activities involved in working of garment industry. It helps to understand range planning product selection and distribution mix.

CO2- Section B helps students to understand role, responsibilities and qualities of a fashion merchandiser. It also aims to provide knowledge about advantages of visual merchandising for sellers and buyers and about fashion calendar.

CO3-Section 3 focuses on distribution channels of a fashion industry, roles and responsibilities of the retail fashion buyer, customer identification and sourcing.

CO4-- Section D aims to provide knowledge about pre- treatments, post treatments of printing process. It will also help to understand washing, bleaching and other treatments given to finish fabrics.

Exhibition Design & Display (Theory/Practical)

CO1:

Topic: Introduction to Exhibition, Introduction to display: This provides knowledge about exhibition and how to display the products within the store or at fairs.

CO2:

Topic: Different Modes of Exhibition and Display. Objectives of Exhibition Design and Display: This focuses on different modes of exhibition and display and students gain knowledge about the objectives of exhibition and display.

CO3:

Topic: The Benefits in Promotion of Marketing by Display and Exhibition Commercial Value of Displays.: This aims to create the understanding about the Benefits in Promotion of Marketing by Display and Exhibition of the Commercial Value of Displays. It also focuses on digital layouts of the same.

CO4:

Topic: The Importance of Exhibitions for Fashion and textile Designer The Importance of Garments fairs for Fashion and textile Designer: This focuses on the importance of exhibition and garment fairs and students gain knowledge about how it helps in the overall growth of the business.

Semester 6

Interiors

Design Process I (Practical)

CO1

- To introduce the basics of designing for retail spaces including showrooms and restaurant interiors and to develop skills required for the same.
- Emphasis on planning show rooms and commercial spaces

CO2

- Examines the connection between abstract design principles and the physical and visual environments
- Learning to deal with space utilization

CO3

- To develop visually literate students who are proficient at analytical thinking
- To develop visually literate students who are proficient at analytical thinking, conceptualization and the problem inquiry, solution cycle.
- Emphasis on planning hospitality spaces

Workshop IV (Practical)

CO1

Students will be able to define the importance and need of human dimension and comfort with relation to furniture design

CO2

Students will be able to review the ergonomic factors and functionality.

Students will be able to integrate the design ideas with respect to human scale and comfort.

Students will be able to evaluate the applications of dimensions and scale while designing the furniture.

Technical Theory (Theory)

CO1

It aims at providing knowledge of various details of estimation and costing of a construction process. Students also learn about managing the project from foundation stage to the finishing stage.

CO2

Students learn to design a building without any flaws and cure a building having termite/dampness/cracks etc. Various techniques are taught to make a building fool proof.

CO3

Students are taught about the concept and benefits of green building. The knowledge of relation between Sustainability and Green buildings and their Rating System (LEED, GRIHA) is given. Also the importance of an Energy efficient building and the process of making it is also taught.

Exhibition Design & Display (Practical)

CO1

The students will learn the need of exhibition design and different displays used in stores and other commercial spaces.

CO2

The students shall be able to study the types of displays, store displays, exhibition displays, and travelling displays

CO3

Students will be able to coordinate the application of electrical and lighting systems as part of services in interior space

CO4

Student will be able to apply design process, as well as expertise across functional areas in designing displays.

Student will be able to innovate new designs for displays.

Computer Aided Design (Practical)

CO1

Application of 3D studio in interior design 3D geometry helps students to make 3D views in 3ds max. Students can make residential and commercial projects in 3ds max software.

CO2

Helps students in 3D orientation lighting material texture modification using cameras walkthroughs. Students can make residential and commercial projects in 3ds max software.

Semester 7

(Fashion/Textile)

Design Process–III (Practical)

Option A- Fashion Designing

CO1:

This focuses on the development of range of clothing with the understanding of the complete concept keeping mood, color, fabric in mind with the final sketches showcasing their ideas.

CO2:

Topic: Mood board, color board, swatch board, fashion illustrations: It enables students to understand how to use mood board, color board, swatch board and fashion illustrations that are derived from a concept to build a clothing range.

CO3:

Topic: Garment Specifications, Costing Sheets: It focuses on the study of specifications and details that of every garment in the student's designs. It includes how to get costing of every piece of the garment.

CO4:

Topic: Log book showing entire documentation and design explorations to be maintained: The whole process of the design and boards are recorded to in the form of log book and portfolio with all the explorations

Option B- Textile Designing

CO1:

Topic: Development of designs for the followings: • Tapestries • Murals: Under textile design's design development a student learns about the techniques of designing tapestries and murals that is a very beautiful technique where different kinds of yarns are used to make elaborated designs.

CO2:

Topic: • Macramé • Crochet: It aims at the proper understanding of various knotting techniques and how they are used to create various sellable products like accessories, handbags, mats and many other.

CO3:

Topic: • Wall hangings (Embroidery, Appliqué, and Patchwork): It focuses on using traditional techniques like embroidery, applique work and patchwork in traditional as well as contemporary methods to create beautiful art pieces that are used as wall hangings, mats and runners.

Workshop–V (Practical)

CO1

It aims at learning patternmaking and draping innovations along with surface ornamentation techniques.

CO2

It will provide the students a chance to explore themselves and express in terms of threads and yarns.

CO3

It will help to understand traditional techniques and their usage in modern time.

CO4

It aims at creating innovative art pieces using the traditional techniques.

Computer Aided Design (Theory & Practical)

CO1:

Topic: • Introduction and Importance to designing print and textiles. • Workflow of Fashion and Textiles Software • Tools in Software: it focusses on importance of the software in designing of prints and textiles and how it eased the workflow of both fashions and textiles.

CO2:

Topic: • Generate Patterns in Software Color Grades, Index Colors, and Color Standards: this will enable the student to create patterns in the software that can further be used in their designs. It also introduces various color grades, index colors, and color standards.

CO3:

Topic: • Draping • Computer Aided **Manufacturing**: This focusses on the use of software to drape any kind of the garment in the digital fashion illustration. Students learn how these software are used in the industry for the manufacturing purposes.

CO4:

Topic: • Simulation • Trends in CAD/CAM: This enables the students to learn how to stay updated with the latest trends in CAD/CAM and use those techniques in their work to keep up with the fast pace of the industry.

Semester 7

Interiors

Design Process Ii (Practical)

CO1

Students will be able to identify the concepts of design based on school interiors.

Students will be able to develop 2D and 3D forms through models

CO2

Understanding of design process and space planning technique.

Knowledge of different indoor and outdoor plants

CO3

Students will be able to define merits & demerits related to hotel spaces.

Students will be able to interpret the drawings with the mock up model to justify the design solution.

Workshop (Practical)

CO1

Students are taught about different material with which they can design any furniture like – couches, tables, cabinets. The concept helps them to understand various mediums, trends, types and furnishes related to the design.

Computer Aided Design (Practical)

CO1

Students will gain knowledge of Modification/Editing of images in Photoshop CS4. Also Importing and Exporting images in Photoshop CS4 is also taught. Various Layer styles and their uses in making a rendered layout plan of a building is taught.

CO2

Students are made to learn the 2D & 3D with Revit Architecture software. Also creating Solids in Revit and their uses is taught. Students help to learn about Rendering of layouts and 3ds with lighting in Revit.

Semester 8

(Fashion/Textile)

Industrial Training (Practical)

CO1:

Topic: • Industrial training for minimum 8–10 weeks: It aims at project base module where students work with the professionals of the industry for 8-10 weeks to understand how industry works and learn the whole process from scratch to final product which is ready for selling in the market.

CO2:

Topic: • Report to be submitted: It focuses on creation of the report in a creative way that showcase the understanding of the market. This report will showcase their whole experience in the industry and the experience certificates.

It aims on how to cope up with the professional working environment in the industry so that when they start working as an employee, or if they are starting their own business they know what is professionally expected from them.

Design And Display (Practical)

CO1:

While working as an intern in the industry, student prepare products in that industry which helps them understand the whole process of making of the product. They learn to use their own concepts and inspiration for this product and shape it using the techniques that are used in that particular industry.

CO2:

While preparing their product (Costume/Accessory) in the industry, students learn to record a report alongside which helps them in better understanding of that product.

As the designers, the students prepare products that helps them understand the market and client it demanded which will help them to grab the knowledge regarding client mindsets. As they learn about various mindsets and demands, they learn to design according to that. They get a drastic change in their conceptualizing minds.

Semester 8

Interiors

Industrial Training (Practical)

CO1

Students learn to tackle problems of interior projects individually.

They learn the codes of conduct required to enhance skills and techniques of managing small and large scale residential and commercial interior projects.

Impart knowledge and skills needed such as estimating, costing, analyzing rates and processes of tendering for practicing profession of Interior Architecture.

Design And Display (Practical)

CO1

Topic: Any commercial production or Research Report

Student will be able to apply design process, as well as expertise across functional areas in designing displays.

Student will be able to innovate new designs for displays

Doing Research on a new material or concept and submitting report.

B.Voc. (Product Design Management And Entrepreneurship)

Program Outcome

- The course focuses on Design as well as its Management and Entrepreneurship
- It has Interdisciplinary Approach
- It develops skilled Professionals for the Industry.
- It shall produce Design Entrepreneurs for the future
- The course promotes Industry Academia linkages which shall make the student skilled in course work and practical.

Program Specific Outcomes

PSO1:subject includes study of Pigments (organic and inorganic), dry, wet mediums, wood work, and embroideries. Knowledge of mediums help in creating harmony among the elements and having them come together in a final product that is explicitly outstanding.

PSO2: understanding elements and principles of Design and its importance. These principles of design work together to create something that is aesthetically pleasing and optimizes the user experience.

PSO3: includes the study of developing drafting & free hand perspective drawing with pencil shading and colour. It also includes learning 2–point , 3–point perspective and outdoor studies.

PSO4: subject includes exploration of the materials such as fibre, yarns, fabrics, waste material, terracotta, wood, bamboo, cane and leather. The students will understand the nature and working

possibilities of the above material using different methods like Block Printing, Engraving, Screen Printing etc.

PSO5: subject includes the importance and need of Facade Display and Treatment. Various mediums, materials and techniques are used to beautify the display and decor. The students would learn window installations, budgeting of projects and work on windows for outside project.

PSO6: the computer-based generation of digital images—mostly from two-dimensional models (such as 2D geometric models, text, and digital images) and by techniques specific to them. The word may stand for the branch of computer science that comprises such techniques or for the models themselves.

Course Outcomes

Methods And Materials

CO1:The students are taught different mediums so that they can make different innovative products like lamp shades, clocks, bags, napkin holders.

CO2:Students learn about the basic tools of Carpentry and how to use them.

CO3:Hand stitches such as Running, Chain, Open Chain, French Knot etc. to enable the students to do basic embroideries.

Introduction To 2d Design And 3d Design

CO1:The students learn to make man-made, natural shapes and forms to know the importance of Elements and Principles of Design such as volume, structure, harmony, proportion and balance.

CO2:The students study the Colour Wheel and use the same for creating beautiful patterns in Design which help them to decide the colours of their products strategically.

Students learn about how to play with abstract and symmetrical shapes and designs

Drawing And Perspective

CO1: Students will be able to generate two-dimensional drawing such as plan, elevations & sections.

To develop skill to render the drawing in different techniques & medium.

To develop the drafting skills mandatory higher techniques of drafting.

CO2 : The students learn isometrics and perspectives which make the **makes images more interesting.Perspective triggers movement in the viewers eye, engaging them and drawing them into the work making it more appealing and attractive.**

The subject helps in creating an illusion of 3 dimensions on a flat surface.

Methods And Materials (Practical)

CO1: Understanding of Organic and Inorganic pigments: This aims on the detailed understanding of basic color pigments starting from primary colors, secondary colors and tertiary colors. Students understand the difference between organic color pigments and inorganic color pigments.

CO2:Understanding of Dry and Wet mediums (dry pastels, charcoal, and pencils of different grades, (water colors, poster colors, acrylic colors, and inks): it focusses on deep understanding of various coloring mediums that are used in drawings. Students explore various materials like dry pastels, charcoal, and pencils of different grades, (water colors, poster colors, acrylic colors, and inks) which are used to make beautiful art pieces.

CO3:Applique Design and Wood Finishing: This builds knowledge of different wooden material and applique work technique that can be used in building of their product. Students learn to survey and find different types of material that they use in the making of final products.

CO4: Traditional Hand Embroideries: It is the introduction to basic embroidery stitches that are further used to develop traditional embroideries. The various embroidery stitches help to beautify the products.

B. VOC Semester II

Methods And Materials (Practical)

CO1: The students learn the usage of different materials like fibre, yarns and fabrics. Different methods like Block Printing, Engraving, Screen Printing are also demonstrated.

CO2: Terracotta work is executed and products like murals, pen stands, birds etc are made and displayed. Students garner knowledge of other materials like leather and making bamboo utility products. The products thus made are put up for different exhibitions and sale.

Facade Display And Treatment- I (Practical)

CO1: Students learn that the facade is one of the building's most important exterior elements. It can also help achieve the goal of blending in with the surroundings or standing out from the crowd. Diversity of building ground-floor uses including in particular food outlets and cafes.

CO2: Understanding the impact of colors on human being and making its efficient use in façade design Understand the effect of various lights on colors and textures.

CO3: Basic overview of Interior Layouts, Interior design elements like buttresses, rose window, flamboyant, mosaic patterns, stained glass Student will be able to apply design process, as well as expertise across, construction detailing of different doors and windows.

CO4: Ability to define the advertising campaign for Brand/ Social/ service in context to designing Ability to solve design problem (Ideas/ concept) for series of advertisement design

Computer Graphics (2d Autocad)

CO1: Students learn opening, saving and closing a file. Helps to learn how to use tools, view documents, use of rulers and changing sizes.

CO2: Students learn to work with styles, creating and modifying textiles, use line text, drawing figures, adjusting segments, modifying and coloring shapes and using transformation tools.

CO3: Students learn different types of dimensions like linear, angular, radial, aligned, continued, diameter etc.

CO4: Students learn different types of hatching patterns, create associative hatch, edit command, trimming and matching hatch properties.

Methods And Materials (Practical)

CO1:Exploration of following Materials: • Fiber, Yarns and Fabrics: This focusses on in depth knowledge and understanding of how fabric is made from the initial stage of fiber. This helps students in the selection of fabrics to be used in the making of the products.

CO2:Waste Material (Industrial Waste / Household Waste) • Terracotta: Students explore sustainable material and methods of product making. This focuses on the modern need and requirement of sustainability of industrial waste and household waste.

CO3:Wood • Bamboo / Cane: This focusses on the introduction of materials like wood and bamboo. Students explore the possibilities with these natural materials.

CO4:Leather: this focusses on the introduction and use of leather in various products. The students will understand the nature and working possibilities of the material using different methods like Block Printing, Engraving, and Screen Printing etc.

B. VOC Semester III

Market Survey (Practical):

CO1:Students will Study and Survey of rates, estimates and varieties of Wood, Yarns, fabrics, leather .Students shall be able to visit exclusive showrooms to gain proper knowledge of the practical world.

Computer Graphics (Corel Draw) (Practical):

CO1:Topic: An Introduction to Corel Draw, Working with Corel Draw, Introduction to Drawing Tools: It introduces Corel draw software to Use visual design tools and methods to communicate ideas . Through different tools of corel draw one learn to visually generate, iterate, and refine ideas.

CO2: Topic: Changing attributes of Graphical objects i.e. Fill and Outline colour and styles, File Menu : This will enable students to play around color filling , outlines and exploration of file menu to create own colours, fill patterns and texture

CO3: Topic: Working with Text, Creating Special Effects: This enables students to focus on working and editing of text such as Use of Artistic Text, Character Commands , Converting text

into Curved object . It also aims at creating special effects like perspective , envelop, Blending two objects to create transformations , Creating a 3D object and adding contours.

CO4:Topic: Working with objects : It focuses on Group/Ungroup objects, Weld and Trim, changing order of objects and Combining of two objects

Product Chronology

CO1:Study of traditional products in terms of various material and method in regional craft: This aims on introduction of various traditional and regional products. It introduces many kinds of new material that can be used in product making.

CO2:Data collection on basis of Primary and secondary research giving methodology details, following standard text and image size: This aims at both kinds of research that is primary research and secondary research. It provides the methodology details of standard text and image size.

CO3:It will provide knowledge about regional art works of India. Students explore the organic materials that were used in old times and use them in contemporized way.

CO4:This aim at understanding the importance of traditional methods of working and implementing then in the modern methods of working.

Design Development And Workshop (Practical)

CO1:Students are taught about different material. They can use yarn, fabrics, waste material like industrial waste or household waste or they can make items of terracotta. The concept helps them to understand various mediums, trends, types and furnishes related to the design.

Facade Display And Treatment Ii (Practical)

CO1:To introduce students to the research-based project and its analysis on different topic.Understanding of color and application design sensibility

CO2:Learning physical and visual permeability of ground-floor frontages.Learning about different displays

CO3:Case study, Brand Project Display (story board, how to create and case study), Creative thinking: getting out of the box window project assignment. Ability to define the advertising campaign for Brand/ Social/ service in context to designingPreparing a physical model showing complete interiors. Preparing a material board, which has a list of all the materials and finishes used in individual's Retail design

CO4:Understanding the relationship between architectural and interior spaces.

Semester IV

Design Development and Workshop – II (Practical)

CO1:This focuses on the development of 2D and 3D products made of wood. It also enables students to understand how they can design materials using wood as the raw material.

CO2:It aims at the designing of products made with Bamboo and Cane. It helps students gain knowledge about the structures that can be created with bamboo and Cane.

CO3:It will provide the knowledge of designing products using metals. Students get to know about different metals and how it can be used to create products. By learning different techniques , students have to create different interesting products using metal.

CO4:This focuses on the designing and development of 2D and 3D products made of glass . By learning different techniques , students have to create different interesting products using glass.

Product Chronology-II (Practical)

CO1:It aims at the introduction of traditional products in contemporary lifestyle. Students gain knowledge about regional crafts and study about the methods and materials used to create it.

CO2 :This focuses on the research work and data collection of the traditional arts. It enables students to understand how primary and secondary research is done. After the research work is done students also create a product inspired from their research work.

Computer Graphics (Photoshop) (Practical)

CO1:Students helps to understand image size, resolution, introduction to graphics, bitmaps, file sizes, outputs, using menu and color palettes.

CO2:Students helps to learn the concept of path, working with photoshop tools, mask and histogram, importing and exporting images, working with layers, channels and paths, actions, history, using navigator and photoshop plugins, integrating web pages and understanding digital images.

Market Survey (Practical)

CO1:Students study and survey of rates, estimates and varieties of electrical fittings, accessories, lighting, false ceiling and air conditioning by visiting to exclusive showrooms.

CO2:Students helps to gain knowledge from market. They remain up-to-date about materials and prices by visiting to exclusive showrooms.

Semester V

Market Survey & Workshop(Practical):

CO1:Students will Study and Survey of rates, estimates and varieties of wood, dyed and printed fabric, glass etc.Students shall be able to visit exclusive showrooms to gain proper knowledge of the practical world.

Exhibition Layouts (Practical)

CO1:The students will learn the need of exhibition design and different displays used in stores and other commercial spaces.

CO2:The students shall be able to study the types of displays, store displays, exhibition displays, and travelling displays

CO3:Students will be able to coordinate the application of electrical and lighting systems as part of services in interior space

CO4:Student will be able to apply design process, as well as expertise across functional areas in designing displays. Student will be able to innovate new designs for displays.

Product Chronology (Theory):

CO1:Students helps to gain knowledge of Greek furniture, it's products and accessories. It helps students to differentiate between different kinds of materials and products.

CO2:Students helps to gain knowledge of Roman furniture, it's products and accessories. It helps students to differentiate between different kinds of materials and products.

CO3:Students helps to gain knowledge of South Indian furniture, it's products and accessories. It helps students to differentiate between different kinds of materials and products

CO4:Students helps to gain knowledge of North Indian furniture, it's products and accessories. It helps students to differentiate between different kinds of materials and products.

ComputerGraphics (Illustrator) (Practical)

CO1:It focuses on Adobe Illustrator software to Use visual design tools and methods to communicate ideas . Through different tools of Adobe Illustrator one learn to visually generate, iterate, and refine ideas. Students learn how different colors and swatches can be used to create illustrations and how different paint attributes work.

CO2:It includes introduction to layers, its working and its subtools. It also aims at providing knowledge about different navigator tools along with its shortcuts in illustrator. Students also gain knowledge about setting attributes and the development of patterns and gradients.

CO3:This focuses on the working of type tool, creation of artworks and using clipboard to import and export artwork. Students also gain knowledge about the different graphic file formats.

CO4:This provides knowledge about printing documents and producing colour separations in adobe illustrator. With the help of adobe illustrator one learns to visually generate, iterate, and refine ideas in their artworks. By learning different tools , students have to work on 10 different interesting assignments in order to refine their skills which they further add in the portfolio.

Design Development-3

CO1:Inspiration, understanding and finalization of design project • Research on the respective inspiration - Primary, Secondary, Pictorial: This aims at the introduction of design process. This includes the primary, secondary and pictorial research work.

CO2:Concept Derivation • Understanding of Boards 1. Mood Board 2. Color Board 3. Style 4. Material: This introduces the understanding of boards like Mood Board, Color Board, Style and Material board. This aims at better understanding of the design process.

CO3:Trend Forecasting • Client Research • Product (Silhouette) Development • Material Exploration • Range Finalization • Product Making: It Builds knowledge about latest trends in the market. It also fusses on client research, product development, material exploration, range finalizing and product making.

CO4:Specification Sheets 1. Style Sheet (Product Photo shoot) 2. Construction Sheet (Specifications) 3. Measurement Sheet 4. Artwork 5. Material Board (Final Product) 6. Trim Board 7. Cost Sheet: It will provide a deep understanding about Specification Sheets. It prepares them for the next steps on their professional path by working on real- world problems with real-world constraints.

Semester VI

Design Portfolio And Industrial Training (Practical)

CO1:Any commercial production and output of the work done during all the semesters with report. Presenting a report of all the work done during different semesters in the form of a portfolio.

CO2: Training with some designer for 2 months. Learn to Tackle problems of design projects individually. Learn the codes of conduct required to enhance skills and techniques of managing small and large scale residential and commercial interior projects. Impart knowledge and skills

needed such as estimating, costing, analyzing rates and processes of tendering for practicing in the profession.

Industrial Visit (Practical)

CO1: Industrial Visits to minimum 3-4 Corporate /Industry /Entrepreneurs/Stores Separate Report to be submitted for each visit

Students shall be able to build a strong industry interaction and application of expertise from industry. Gaining practical knowledge through industry exposure

Computer Graphics (3dsmax) (Practical):

CO1:Application of 3D studio in interior design 3D geometry helps students to make 3D views in 3ds max. Students can make residential and commercial projects in 3ds max software.

CO2:Helps students in 3D orientation lighting material texture modification using cameras walkthroughs. Students can make residential and commercial projects in 3ds max software.

Product Chronology (Theory)

CO1:Students helps to gain knowledge of Modern furniture, it's products and accessories. It helps students to differentiate between different kinds of materials and products.

CO2:Students helps to gain knowledge of Post Modern furniture, it's products and accessories. It helps students to differentiate between different kinds of materials and products.

CO3:Students helps to gain knowledge of Famous Product and Furniture Designers of India and abroad (Morphogenesis, Vinay Pateel, Gauri Khan, Nipa Doshi and Jonathan Levien of Doshi Levien, Sugandh Kumar and Aanchal Goel of Objectory)

CO4:Students helps to gain knowledge of comparison of Traditional and Modern Product Designs from India and abroad.

Department of Computer Science

B.C.A.

Program Outcomes

- In order to make students skillful and enhance programming skills, the program has introduced the concept of project development in each language taught during semester.
- An ability to improve not only comprehensive understanding of the theory but its practical application in real world.
- Program prepare the young IT professionals in such a way that they could meet the requirements of the Industrial standards.
- Enhance the conceptual knowledge of the students so that they could write entry level examinations for higher educations.
- Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

Program Specific Outcomes

PSO1: Students learned about programming in C, basic concepts of computers and information technology, applied & discrete mathematics, communication skills in English and basic Punjabi and practical of Cprogramming.

PSO2: Students obtained the conceptual and practical knowledge of programming in C++, principle of digital electronics, numerical methods & statistical techniques ,communication skills in English , Punjabi , drug abuse .

PSO3: Understanding of computer architecture, database management system, introduction to python programming, performed the practical on Oracle and Python .

PSO4: Knowledge regarding data structure & file processing, information systems, internet application, system software, practical on data structures using C++ and web designing.

PSO5: Knowledge of software engineering, web technologies ,operating system ,JAVA programming language ,practical implementation of JAVA programming language and website designing using PHP ,Javascript ,HTML.

PSO6: Conceptual knowledge of Computer Graphics, Computer Networks ,Lab implementation of applications of computer graphics in C++/C , project work.

Course Outcome

Semester I

Introduction To Programming - C

CO1:Basics of C Language, various operators along with their Precedence and Associativity are taught. Various Data input and Output functions are discussed.

CO2:Students learn about various Control Statements and various Storage classes of C language.

CO3:Students are introduced with the concept of Functions and their advantages, use of Arrays in Programs and the concept of Strings and various String Handling Functions.

CO4: Students are acquainted with the concept of Structures and Unions. The concept of Pointers is also discussed in detail.

Introduction To Computers And Information Technology

CO1: Students are introduced about the basic of computers and its applications , moreover some basic concepts of hardware and software.

CO2: Students learnt about the various input devices and output devices in detail.

CO3: Knowledge of primary storage, secondarystorage, magnetic storage devices and optical storage devices , creating ,editing saving a file in MS word.

CO4: Students came to know about the presentation creation, opening, saving and editing a presentation using presentation software.

Applied And Discrete Mathematics

CO1 : Introduced about the concept of set , relations and carious operations performed on the sets like union ,intersection ,set difference , graph of relations and their properties.

CO2 : Describe about logical and prepositional calculus as well as basic logical operations and students learn about truth tables ,predicates and quantifiers .

CO3: learn about the Boolean algebra , the importance of principle of duality and about formation of karnaugh maps which are used in minimization of Boolean expression.

CO4: Understand about matrix and various operations that are performed on matrices like addition, multiplication, inverse of matrix and its transpose.

MS Office 2010 & Basic C programming

CO1: Students practically work on MS- Word, MS-Powerpoint, and MS- Excel. Students prepare a Practical file to showcase the work done.

CO2: Students implement various programs of C language and prepare a practical file on them.

Semester - II

Programming in C++

CO1:Various Programming Paradigms are discussed along with their advantages and disadvantages. Features of Object oriented programmning are taught.

CO2: Students are introduced with the concept of Object and Classes, Concept of Constructors and Destructors is discussed.

CO3: Students are acquainted with the concept of Function Overloading and operator Overloading.

CO4: Concept of Inheritance, Virtual Functions and Polymorphism is discussed.

Numerical Methods and Statistical Techniques

CO1: Discussion on Numerical Methods and Numerical Analysis. Errors and their measures, Various methods for solving non-linear equations, methods for solving system of linear equations are discussed and various problems are solved using these methods.

CO2: Various Methods of Numerical Integration are done, Significance of Interpolation and methods of Interpolation are discussed and practically done.

CO3: Various Measures of Central Tendency, Measures of Dispersion, Standard Deviation and Correlation are discussed and problems are solved.

CO4: Curve Fitting- Linear and Non-Linear trend, Least Square Method is done.

Principle of Digital Electronics

CO1: Introduced with number conversion system as well as BCD Code, grey code, Excess 3 code

CO2: Understand about the gates and minimization of Boolean algebra using K map

CO3: Discussion on the combinational circuits which includes adder, subtractor and sequential circuit that includes flip flops, registers and counters.

CO4: Students are introduced about the semiconductor memories that include static and dynamic devices.

Advanced C++ Programming Practical

CO1: Implementation of various Numerical Methods. Students prepare a practical file of all the methods along with the output.

CO2: Implementation of various Statistical Techniques. Students prepare a practical file of all the statistical techniques along with the output.

CO3: Implementation of various concepts of C++. Students prepare a practical file of all the concepts done.

Semester- III

Python Programming

CO1: Students are taught about various features of Python, its Data types, various operators supported by Python. Concept of Lists and Dictionaries in Python.

CO2: Students are taught about various Control Structures of Python, Functions in Python and the concept of Module is introduced.

CO3: Students work on the concept of Files in Python, concept of Classes and objects, Constructors, Destructors, Inheritance and Operator Overloading in Python.

CO4: Concept of database and connectivity with Database using Python, implementing various queries using python.

Computer Architecture

CO1: Conceptualize the basics of computer architecture through the structure of basic computer, registers, bus system and instruction cycle. Working of the architecture is explained through various micro operations and computer instructions.

CO2: Describe the organization of registers and stack along with hardwired and microprogrammed control unit and programme control.

CO3: Learn about memory hierarchy, concepts and working of main memory, associative memory and virtual memory highlighting the mapping methods of cache memory.

CO4: Discuss modes of transfer, input-output organization. Basics of parallel processing are discussed with examples of pipelining and Flynn's classification.

Database Management System

C01: Students get basic information regarding Data, Field, Record, File, Database, Database management system. Structure of database system, Advantage and disadvantage, levels of database system, Relational model, hierarchical model, network model, comparison of these models, E–R diagram, different keys used in a relational system, SQL.

C02: Students will learn about DBA, his responsibilities, Relational form like 1NF, 2NF, 3NF, BCNF, 4th NF, 5th NF, DBTG, concurrency control and its management, protection, security, recovery of database.

C03: Students get practical exposure to SQL–DDL, DML, DCL, Join methods & sub query, Union Intersection, Minus, Built in Functions, Views, Security amongst users, Sequences, Indexing Cursors– Implicit & Explicit, Functions & Packages Database Triggers.

C04: Introduction to Big Data and Analytics, Introduction to NoSQL.

Programming Lab-I

CO1:Implementation of various Python Programs . Students prepare a practical file based on the programs done.

Programming Lab – II

CO1: Implementation of various SQL queries using Oracle .

Semester- IV

Data Structures and File Processing

CO1:Students are acquainted with various data structures and operations on them. Concept of Complexity and Time Space Trade off is explained to Students. Detailed Study of Arrays, Linked list , Stacks and Queues.

CO2: Searching Techniques are discussed with Students. Detailed study of Trees and Graphs.

CO3: Various Sorting Techniques along with their Complexity are discussed.

CO4: Various File Organization Techniques along with their advantages and disadvantages are done. Concept of Hashing is discussed in detail.

Information System

CO1 :Various fundamental aspects of informatics are discussed with the students.

CO2 :Students came to know about the information systems and development life cycle of information system.

CO3 :Understand about the various types of information systems .

CO4 :Various case studies related to information system are discussed with the students.

Internet Application

CO1: Understand about internet and its working , evolution of internet ,internet services provider.

CO2:Various types of protocols like HTTP,FTP, TCP/IP and Telnet are discussed in class.

CO3:About search engine ,components of search engine and its working .

CO4: Intranet,extranet and their working is explained to students .

System Software

CO1: Learn about system software and its components such as translator ,loaders, interpreters, compilers ,assemblers.

CO2: Students are introduced with the concept of assembly process, design of one pass and two pass assemblers.

CO3: Study of phases of compilation process and storage management optimization.

CO4: Introduction about loader function , relocation , program linking and bootstrap loader.

Lab-I (Data Structures Practical)

CO1: Implementation of various operations on different data structures.

CO2: Implementation of various Searching and Sorting Techniques.

Lab-II (Web Designing Practical)

Web designing using HTML/DHTML

Semester-V**Software Engineering**

CO1: Discussion about software, Software Engineering and Software Metrics

CO2: Students are taught about the Software Requirements Specification and planning a software Project.

CO3: various level of testing ,test cases and test criteria and types of testing are taught to students.

CO4: Understanding of various types of maintenance such as preventive, adaptive and corrective.

Web Technology

CO1: Study of websites, static vs dynamic websites ,server side ,client side scripting , HTML 5 and CSS 3

CO2: Understanding of PHP , working with the files and uploading a file

CO3: Knowledge of hosting ,artificial intelligence ,machine learning basics used in websites.

CO4: Basics of internet of things ,augmented reality ,virtual reality and single page application using angular.

Operating System

CO1: Introduction to Operating System. Study of Early Systems, Simple Batch system, Multi programmed Batch. Time Sharing Systems, Personal Computer System, Parallel Systems, Distributed Systems, Real-time Systems. Processes: Process concepts, Process Scheduling, Threads.

CO2: Study of CPU–Scheduling: Basic concepts, Scheduling Criteria, Scheduling Algorithms, Algorithm Evaluation. Process Synchronization: Critical – SECTION–problem, semaphores, classical problem of synchronization

CO3: Students will learn about Memory Management concepts such as Background, Logical and Physical address space, swapping, continuous allocation, paging, segmentation. Concepts of Virtual Memory: Background, demand paging, performance of demand paging, page replacement, page replacement algorithms, allocation of frames, thrashing.

CO4: Concepts of Secondary Storage Structures: Disk structures, Disk scheduling, Disk Reliability. Deadlocks: System Model, Deadlock characterization, methods for handling deadlocks, Deadlocks Prevention, Deadlock avoidance, Deadlock detection, Recovery from deadlock, combined approach to deadlock handling.

Java Programming Language

CO1 Describe the concept of object oriented paradigm, platform independence, control structures and data types.

CO2 Create Java application programs using sound OOP practices and understand the purpose and usage principles of inheritance, polymorphism, encapsulation and method overloading.

CO3 Ability to create packages, interfaces and multithreading.

CO4 Demonstrate to implement error handling techniques using exception handling, string and I/O handling

Lab Based on Java Programming Language

CO1 Basics of Java programming, programs to implement the concepts of control statements, classes and functions, inheritance, polymorphism, interfaces, multi-threading concepts.

CO2 To apply OOP concepts such as string handling, exception handling in Java programming.

Lab Based on website designing using HTML, Javascript, PHP

CO1: Practical implementation of HTML , javascript and PHP to make website.

Semester VI

Computer Graphics

CO1: Study of computer graphics and their application , CRT monitor ,LED and LCD monitor.

CO2: knowledge of elementary drawing and two dimensional transformation .

CO3: Understanding of composite transformation ,windowing and clipping .

CO4: Study of three dimensional concepts and 3D transformation.

Computer Networks

CO1: Describe the functions of each layer in OSI and TCP/IP model & ISDN model ,router, hub and switches

CO2: Apply the knowledge of cryptographic checksums and evaluate the performance of Different message digest algorithms for verifying the integrity of varying message sizes, IP addressing schemes and classify the Account policies and how to create a user account ,what is group membership etc.

CO3: Identify use and analyze the network operating system, architecture, local area network protocol, data link layer design issues.

CO4: Understand network security and privacy and network services .

Programming Laboratory

CO1: Implementation of application of computer graphics using C/C++

Project

CO1: A software module is developed by students based on the work done in the entire course .

BSC-IMT

Program Outcomes:

- Ability to identify, critically analyse and formulate complex computing problems using fundamentals of computer science and application domains.
- Ability to understand management and computing principles with computing knowledge to manage projects in multidisciplinary environments.
- Understand and apply mathematical foundation, computing and domain knowledge for the conceptualization of computing models from defined problems.
- They can start their own business in web development and software development.
- To train students in professional skills related to Software Industry.
- To develop the ability to analyse a problem and devise an algorithm to solve it.

Program Specific Outcomes:

PSO1:- Students will learn about programming paradigms and will seek knowledge about web designing and databases.

PSO2:- To seek knowledge about scripting languages and will become familiar with operating system and data structures.

PSO3:- To be able to provide best possible guidance on open source technologies and coding knowledge and proper project work.

PSO4:- To train students in various programming and computing work including software engineering and testing.

PSO5:- The students will be able to learn about machines and get trained in artificial intelligence with storing global data that is big data and analytics.

PSO6:- Finally students will seek appropriate opportunity in industrial training and will be well trained in doing project work related to it.

Course Outcomes

Semester-1:

Object Oriented Concept & C++ :

- CO1. Students will learn the programming paradigms with traditional, structured programming methodology, control statements, and C++ fundamentals.
- CO2. Students will be able to implement the programs using functions and will learn how to work and make proper arrays, strings, structures and union.
- CO3. To be able to get proper knowledge related to objects and classes including the use of concept of constructors and destructors, function overloading, operator overloading.
- CO4. Students will be able to develop the ideas after getting the proper knowledge of inheritance, access specifiers, virtual functions and polymorphism.

Web Designing:

CO1. Students implement the code to design static website using HTML tags like Links & Navigation, Embedding audio and Video ,Animated Graphics, HTML form elements.

CO2. Students learn how to change the appearance of website using various attributes of CSS like Controlling pagelayout, Understanding grouping and nesting Styling text, Modifying background andforegroundelements.

CO3. Students learn to design responsive website using media query and CSS FlexBox in CSS

CO4. Data handling and transportation using XML and its various features XSLT stylesheets, XML Processors that can be used as backend for website.

Data Base Management System:

CO1: Introduction to Data, Field, Record, File, Database, Database management system. Structure of database system, Advantage and disadvantage, levels of database system, Relational model, hierarchical model, network model, comparison of these models, E–R diagram, different keys used in a relational system, SQL.

CO2: Students will learn about DBA, his responsibilities, Relational form like 1NF, 2NF, 3NF, BCNF, 4th NF, 5th NF, DBTG, concurrency control and its management, protection, security, recovery of database.

CO3: Study of SQL–DDL, DML, DCL, Join methods & sub query, Union Intersection, Minus, Built in Functions, Views, Security amongst users, Sequences, Indexing ,Cursors– Implicit & Explicit, Functions & Packages Database Triggers.

CO4: Study of Join methods & sub query, Union Intersection, Minus, Built in Functions, Views, Security amongst users, Sequences, Indexing .Cursors– Implicit & Explicit, Functions & Packages Database Triggers.

C++ (Practical):

CO: Implementation of programs using the concepts that is functions, arrays , strings, structures and union, objects and classes, constructors and destructors, polymorphism, inheritance.

SQL (Lab):

The students should be able to:

CO1: Describe the concept of oracle and SQL for writing complex SQL queries to retrieve information for business decision making from databases with many tables.

CO2: Implement SQL DDL to create, modify and drop objects within a relational database. Retrieve and store information in a relational database using SQL in a multi-user, web based environment.

CO3: Write SQL queries for data definition/manipulation/alteration

CO4: Develop PL/SQL queries using the concept of cursors, functions, procedures, packages and triggers.

Semester-2:

Scripting Languages:

CO1: Students learn about website protocols in detail as well as why caching is required to speed up website. Students also get awareness about the status code.

CO2: Students learn how to change the appearance of website using various attributes of CSS like Controlling page layout, Understanding grouping and nesting Styling text, Modifying background and foreground elements

Students learn to design responsive website using media query and CSS FlexBox in CSS and also provide dynamicity using client side scripting languages like javascript

CO3: Data handling and transportation using XML and its various features XSLT stylesheets, XML Processors that can be used as backend for website.

CO4: Students learn about architecture of website as well as scripting languages used for development of website.

Data Structure:

CO1: Students are acquainted with various data structures and operations on them. Concept of Complexity and Time Space Trade off is explained to Students. Detailed Study of Arrays, Linked list , Stacks and Queues.

CO2: Searching Techniques are discussed with Students. Detailed study of Trees and Graphs.

CO3: Various Sorting Techniques along with their Complexity are discussed.

CO4: Various File Organization Techniques along with their advantages and disadvantages are done. Concept of Hashing is discussed in detail.

Fundamentals Of PHP:

CO1: Students learn about the basic concepts of programming language that build the foundation of any programming language like software requirements, Variables, Data Types, Conditional Statements, and Many more.

CO2: Students will get clarity about the Library of inbuilt functions like string and math functions and they are able to create functions to be used by others.

CO3: Students learn about Array and object terminologies, concept understanding, implementation, and file handling, uploading file to servers in PHP using various inbuilt functions.

CO4: Students are able to handle the data entered by user through database connectivity in PHP using g MySQLi and PDO, PHP with AJAX, PHP with JSON.

Operating System :

C01: Introduction to Operating System. Study of Early Systems, Simple Batch system, Multi programmed Batch. Time Sharing Systems, Personal Computer System, Parallel Systems, Distributed Systems, Real-time Systems. Processes: Process concepts, Process Scheduling, Threads.

C02: Study of CPU–Scheduling: Basic concepts, Scheduling Criteria, Scheduling Algorithms, Algorithm Evaluation. Process Synchronization: Critical – SECTION–problem, semaphores, classical problem of synchronization

C03: Students will learn about Memory Management concepts such as Background, Logical and Physical address space, swapping, continuous allocation, paging, segmentation. Concepts of Virtual Memory: Background, demand paging, performance of demand paging, page replacement, page replacement algorithms, allocation of frames, thrashing.

C04: Concepts of Secondary Storage Structures: Disk structures, Disk scheduling, Disk Reliability. Deadlocks: System Model, Deadlock characterization, methods for handling deadlocks, Deadlocks Prevention, Deadlock avoidance, Deadlock detection, Recovery from deadlock, combined approach to deadlock handling.

PHP and Scripting Languages-Practical :

CO: Students understand how to take input from user and implement small programs to understand the programming structures statements of PHP language. Students implement the various frontend and backend technologies like php database connectivity using Apache server and MYSQL server.

LAB-Data Structure Using C++ :

CO: Implementation of various operations on different data structures.Implementation of various Searching and Sorting Techniques.

Semester-III

Java Programming:

CO1: Describe the concept of object oriented paradigm, platform independence, control structures and data types.

CO2: Create Java application programs using sound OOP practices and understand the purpose and usage principles of inheritance, polymorphism, encapsulation and method overloading.

CO3: Ability to create packages, interfaces and multithreading.

CO4: Demonstrate to implement error handling techniques using exception handling, string and I/O handling.

Open Source Technologies:

CO1: Students will be able to learn about open source software, licenses, open standards, community building, Linux operating system, management, manipulation, commands, and maintenance.

CO2: Students will get knowledge about Linux system administration, boot up, procedures, management, simplification of task, installing applications.

CO3: To be able to work with Linux web server, system simplification, settings, testing, performance tuning of servers.

CO4: Students will get to know about Content Management System, media wiki, joomla, installation, customization and use of joomla.

Advanced PHP:

CO1. Students get understanding of MVC Architecture, command line interface to download all the file required to run laravel using composer.

CO2. Students learn about the basics of Controller, Model, Views and Blade templates and also how to set routing for particular views on typing a particular URL.

CO3. Students learn restful controller with API, understanding migrations , database Seeding and various commands like rollback, refresh the database.

CO4. Students implement Contact us form , Registration and login forms as well as other components of Laravel like pagination, sessions, CRUD in Laravel framework.

Lab based on JAVA Programming Language

CO: Basics of Java programming, programs to implement the concepts of control statements, classes and functions, inheritance, polymorphism, interfaces, multi-threading concepts.

To apply OOP concepts such as string handling, exception handling in Java programming.

Semester IV

Cloud and Mobile Computing:

CO1: Introduction to Cloud Computing, Definition, Advantages, Disadvantages, Driving factors towards cloud, Comparing cloud computing with other computing system

CO2: Students will learn about Concept of Virtualization, Its Characteristics ,Hypervisors, Multitenancy, Types of tenancy, Economies of scale, Management, tooling, and automation in cloud computing, Security in Cloud Computing

CO3: Study of Cloud service model architectures, Infrastructure as a service (IaaS) architecture, Infrastructure as a service (IaaS) details, Platform as a service (PaaS) architecture, Platform as a service (PaaS) details, Common cloud management platform. Cloud Deployment Scenarios: Cloud deployment models, Public clouds, Hybrid clouds, Community, Virtual private clouds,

CO4: Study of Anatomy of a mobile device, Survey of mobile devices, applications of mobile computing. Study of Wireless Communication Systems: Cellular Networks, Wireless Networks

Standards 2G/2.5G/3G/4G, Geolocation and Global Positioning Systems . Upcoming technologies Pervasive Computing, Location aware services.

Advanced Programming in Android (Theory):

CO1: Students will be able to describe Android platform, Architecture and features.

CO2: Install and configure Android application development tools such as Android Studio.

CO3: Apply Java programming concepts to Android application development.

CO4: Design and implement Database Application and Content providers. Use multimedia, camera and Location based services in Android App. Write simple GUI applications, use built-in widgets and components, work with the database to store data locally, and much more.

Python Programming :

C01: Introduction to Python, Technical Strengths, Execution Model. Concept of Literals, Variables and Identifiers, Operators, Expressions, Strings, Statements and Data Types, Literals, Variables and Identifiers, Operators, Expressions, Strings, Statements and Data Types.

C02: Students will learn about Conditional blocks using if, else and elif, While statement, Definite loops using For, Loop Patterns, Functions, Packages and Modules: Fundamental Concepts, Program Routines, Flow of Execution, Parameters & Arguments, Recursive Functions, Recursive Problem Solving, Iteration vs. Recursion, Understanding Packages, Modules, Top-Down Design, Python Modules Importing own module as well as external modules and packages.

C03: Study of Files: Opening Files, Using Text Files, Reading files, Writing files, Understanding read functions, read(), readline() and readlines(), Understanding write functions, write() and writelines(), Manipulating file pointer using seek, String Processing, Exception Handling .Objects and Their Use: Introduction to Object Oriented Programming, Concept of class, object and instances, Constructor, class attributes and destructors, Real time use of class in live projects, Inheritance, overlapping and overloading operators, Adding and retrieving dynamic attributes of classes, Programming using OOps support.

CO4: Study of Database Concepts, SQL basic summary, SQL Database connection using python, creating and searching tables, Programming using database connections, Basic Data modelling, Programming with multiple tables

Python-Practical :

C0: Implementation and running the python programs and the students will be able to develop the codes related to it, the concepts and ideas will be generated

Software Engineering and Testing :

CO1: Discussion about software, Software Engineering and Software Metrics

CO2: Students are taught about the Software Requirements Specification and planning a software

Project.

CO3: Various level of testing ,test cases and test criteria and types of testing are taught to students.

CO4: Understanding of various types of maintenance such as preventive, adaptive and corrective.

Practical – Based on Android Application Development :

CO1: Experiment on Integrated Development Environment that is android studio for Android Application Development.

CO2: Design and Implement User Interfaces and Layouts of Android App. Creating activity and passing string from one activity to another on android studio

CO3: Implementation of fragments and ways of adding fragments in an activity

Android App.

CO4: Design and implement Sqlite Database Application and Content Providers. Implementation of various widgets and concept of text to speech methods.

Semester-V

Artificial Intelligence :

CO1: Students learn about Basic Concepts of Artificial Intelligence, Applications of Artificial Intelligence and concepts related to knowledge representation.

CO2: Students learn about Defining Problem as State Space Search, Concept of Grammar and Languages, Parsing Techniques.

CO3: Students are acquainted with the concept of Expert Systems, Case study of MYCIN, Bayesian Networks, and Concept of Fuzzy Logic.

CO4: Students learn about the concept of Pattern Recognition and Clustering.

Machine Learning :

CO1: Students will be able to learn linear classification, perceptron convergence, generalization, regularization, variance, regression, active learning, non linear predictions.

CO2: To be able to get knowledge about kernels, support vector machines, kernel optimization, models, boosting, margin and generalization.

CO3: Students will get proper guidance of mixture,models,algorithms,regularizations, clustering, clustering programming in python.

CO4: Students will implement the programs and get help in developing their ideas related to networks, inference, filtering, current problems in machine learning.

Big Data Analytics :

CO1: This section gives the details about basics of big data, marketing and fraud, risk, applications, cloud, crowd sourcing analytics, firewall analytics.

CO2: It highlights knowledge of NoSql, types, data models, aggregates, relationships, mongoDB, mapreduce, partitioning and combining, calculations.

CO3: This section gives the details about hadoop, data format, analyzing data, hdfs concepts, data flow and integrity, compression, serialization, YARN, job scheduling, input and output formats.

CO4: To implement hadoop related tools that is cassandra, hive, file formats, data manipulation, queries, spark.

LAB- Game Development :

CO: To implement the concepts of unity and develop games using the concepts that is game objects, models, materials, textures, terrain, environments, light and camera.

LAB- Big Data Analytics :

CO: To design and implementation of Sentimental analysis on twitter data using apache flume and hive and get knowledge about hadoop, mapreduce, hdfs, mongoDB.

Semester-6 :

Industrial Training :

CO: The evaluation of software module and designing, implementation that is based on the work done in the entire course.

BVOC-(E Commerce & Digital Marketing)

Program Outcomes

- Learners will be able to recognize features and roles of businessmen, entrepreneur, managers, consultant, which will help learners to possess knowledge and other soft skills and to react aptly when confronted with critical decision making.
- To provide adequate knowledge and understanding about E-Com practices to the students

- Impart the students with higher level knowledge and understanding of contemporary trends in e-commerce and business finance.
- To enhance the knowledge of ethical and legal issues related to E-commerce technologies such as manipulation of graphic and sound information, privacy and control of electronic media.
- To familiarize students with organizational and managerial foundations of systems, the technical foundation for understanding information systems.
- Students will be able to design their own websites by using web development.

Program Specific Outcomes:

PSO1:- Students will be able to know about how management is done and to get to know how processing of information is done and web designing.

PSO2:- To be able to seek proper knowledge about marketing strategies and management with web designing facilities.

PSO3:- To get trained with entrepreneurship, finance and accountancy knowledge and content management system with proper website making.

PSO4:- Students will be getting proper guidance on retailing and proper management in sales and advertising including web designing and management.

PSO5:- To get proper knowledge on social media marketing and guidance on laws and practices with coding.

PSO6:- To be able to build and manage customer relationship with search engine optimization and develop android application.

Course Outcomes

Semester-1:

Fundamentals of E-Commerce :

CO1: The section gives definition, need and framework of e-commerce. It gives details of e-commerce models and value chains.

CO2: It highlights applications of internet in business along with WWW, EDE and E shopping. Webpages using HTML or also created.

CO3: This section gives details about online payment mechanism, IT infrastructure, how to increase visitors to website and tools to promote website.

CO4: Laws relating to online transactions are discussed along with e-commerce applications in areas like wholesale retail manufacturing etc.

Information Processing (LAB) :

CO1: Students are introduced about the basic of computers and its applications, moreover some basic concepts of hardware and software.

CO2: Students learnt about the various input devices and output devices in detail.

CO3: Knowledge of primary storage ,secondary storage ,magnetic storage devices and optical storage devices , creating ,editing saving a file in MS word.

CO4: Students came to know about the presentation creation , opening, saving and editing a presentation using presentation software.

Web Designing Using HTML & DHTML :

CO: Students will learn about html tags, will develop skills using tools, work with tables, style sheets, will design forms and frames, and layers in dhtml, menus, effects and animations. Students will validate html codes using web supporting formats.

Semester-II

Internet Applications :

CO1: Understand about internet and its working , evolution of internet , internet services provider.

CO2: Various types of protocols like HTTP,FTP, TCP/IP and Telnet are discussed in class.

CO3: About search engine , components of search engine and its working .

CO4: Intranet,extranet and their working is explained to students .

Database Management System & SQL :

C01: Students get basic information regarding Data, Field, Record, File, Database, Database management system. Structure of database system, Advantage and disadvantage, levels of database system, DBA, his responsibilities, Relational model, hierarchical model, network model, comparison of these models.

C02: Students will learn about E–R diagram, entity types, sets, attributes, keys, relationships, object modelling, inheritance,generalization, specialization.

C03: Students will learn about relational data model, concepts and constraints, database design using EER to relational language.

C04: Relational form like INF, 2NF, 3NF, concurrency control and its management, protection, security, recovery of database.

WEB DESIGNING USING XML & CSS(Practical) :

In this student will learn skills of web designing which includes Designing web pages using CSS, Creating Animations, Creating Menus. Students also learn basic concepts of XML and Designed web page using XML

Semester-III

PHP Programming & MYSQL

CO1: students learn about the basic concepts of programming language that build the foundation of any programming language like software requirements, Variables, Data Types, operators, Conditional Statements, core logics and techniques, functions, query strings and hyperlinks.

CO2: Students will get knowledge about file handling and directories, uploading and downloading files, php mysql connectivity, integrating web forms and database, extensions.

CO3: Students will learn advanced techniques in php, oop concepts, abstraction, encapsulation, inheritance, polymorphism, constructors and destructors, overloading, overriding, exception handling, cms, working with cms, web application development using wordpress.

CO4: Students will get to know about relational database and popular databases, sql statements, DML & DDL queries, joins and union, aggregate functions and grouping, constraints and normalization.

Content Management System Using WordPress :

CO1: Students will learn about database, installation and downloading wordpress, dashboard, themes, setup wordpress account, logging, Customizing account, personal and general settings.

CO2: Students will get knowledge about how the blog looks using widgets, editors, hyperlinks, categories and tags, reading and writing settings, limit to posts, comments, trackbacks and pingbacks.

CO3: Students will get to know about how to make pages, Delete, page order, media, photo and video, upload content, working with links, adding and managing links, appearance customization, plugins.

CO4: Students will learn about fast secure contact form, wordpress backup to dropbox, wp-polls and survey, sitemaps, social length.

Web Designing Using Photoshop :

CO: Students will design web ads, banners, animated gifs, web buttons, web templates, using various tools, work with images and layers, painting and drawing tool, work with channel and action, work with filters, texts and extensions.

Website Development :

CO: Students will create a dynamic website with proper use of database in wordpress and have proper knowledge about content management system.

Semester-IV

Linux Server Management :

CO1: Students will be able to know about Apache web server, install, start and stop, testing, logs, performance.

CO2: Students will learn about Network information system, install, network file system, install, lab exercise, SAMBA, install.

CO3: Students will get to know about linux mail server, domain name system, using graphical user interface, sendmail configuration, linux cache server, install, start & stop, login, proxy, content filtering.

CO4: Students will get guidance about linux firewall and security, network security, monitoring network, netfilter and iptables, configuring IP accounting.

Content Management System Using OPEN CART- LAB :

CO: Students will get know about basics of open cart and make live new project on server with theme installation, module installation and modifications, permalinks, Customize contact form, payment integration, forum and newsletters plugin, working with database, backup site, templates, adding SEO, open cart url & menu structure, add products, categories.

Web Designing Using CORAL DRAW – LAB :

CO: Students will design business cards, pamphlets, banners, newspapers, books, by having proper knowledge of coral draw tools and menus, explore X4 interface, customize the workspace, raster and vector graphics, knowledge of how to create graphical objects, tables, templates, adding special effects, clip arts, working in presentation, adjustments, sizing, merging, advance effects, interactive effects.

E-Commerce Website Development :

CO: Students will be designing and implementing the website related to the development of web portal handling E-commerce operations.

Semester-V

Concept Of Social Media Marketing :

CO1: Students will get knowledge about key concepts to digital marketing, traditional marketing, opportunity and features of digital marketing, implications, strategies in digital marketing.

CO2: Students will be given proper guidance related to google webmaster tool, site working, settings, manage, monitor and maintain, remove content from google, search traffic & appearance, index & crawl, html improvements.

CO3: Students will be able to get knowledge about google analytics, working, account structure, understanding goals and conversions, filters and segments, customized reports, monitoring traffic sources and behaviour.

CO4: Students will get to know about social media, types, choose right social media, integrating social media into website and blogs, Facebook marketing, twitter marketing , google plus, email marketing, social media and communication strategy, Facebook connect, pages and apps, measuring and monitoring, sponsored stories, latest trends, advantages and challenges.

Java Programming :

CO1: Describe the concept of object oriented paradigm, platform independence, control structures and data types.

CO2: Create Java application programs using sound OOP practices and understand the purpose and usage principles of inheritance, polymorphism, encapsulation and method overloading.

CO3: Ability to create packages, interfaces and multithreading.

CO4: Demonstrate to implement error handling techniques using exception handling, string and I/O handling

Digital Marketing Development :

CO: Students will be planning and implementing a digital marketing campaign.

Semester-VI

Advanced Programming in Android (Theory) :

CO1: Students will be able to describe Android platform, Architecture and features.

CO2: Install and configure Android application development tools such as Android Studio.

CO3: Apply Java programming concepts to Android application development.

CO4: Design and implement Database Application and Content providers. Use multimedia, camera and Location based services in Android App. Write simple GUI applications, use built-in widgets and components, work with the database to store data locally, and much more.

Practical – Based on Android Application Development :

CO1: Experiment on Integrated Development Environment that is android studio for Android Application Development.

CO2: Design and Implement User Interfaces and Layouts of Android App.

CO3: Creating activity and passing string from one activity to another on android studio

CO4: Implementation of fragments and ways of adding fragments in an activity

Android App. Design and implement Sqlite Database Application and Content Providers. Implementation of various widgets and concept of text to speech methods.

Search Engine Optimization:

CO1: Students will learn the basic concepts related to search engine optimization, creating SEO plan, search strategies, building site, understanding and using campaign targeting, tagging, understanding role of links and linking.

CO2: Students will get proper knowledge about optimizing search strategies, adding site to directories, robots, spiders, crawlers, adding social media optimization, plugging in, automated optimization.

CO3: Students will be able to get knowledge about maintaining SEO, analysis, research tool, search operator, punctuation and symbols, page and content optimization, Website navigation.

CO4: Students will get proper knowledge about search engine marketing, adwords and adsense, account structure, research and planning, creating campaign, setting bids and budgets, google search and display network, targeting, reporting and analysis, display planner, ad preview and diagnosis.

Project Training :

CO: Students will be designing software module and implementing the module by having the knowledge of all the basic concepts learned by them in the entire course and will be used.

BVOC- Data Science

Program Outcomes:

- Students will be able to demonstrate skill in data management and get proper understanding of data and its management.
- To develop relevant programming abilities .
- To execute statistical analyses with professional statistical software.
- Students will demonstrate a sophisticated awareness of ethical implications relevant to the use of data, and particularly ‘big data’.
- Learners will learn about a detailed technical understanding of the key advanced tools and methods used.
- To develop the ability to build and assess data based models and get proper knowledge about it.

Program Specific Outcomes:

PSO1:- Students will do proper practical work on Microsoft office and database related work with statistical work.

PSO2:- To be able to get knowledge on data science and full programming paradigms practically.

PSO3:- Students will get trained in business and statistical inference with data mining and optimization including programming and coding.

PSO4:- To be able to seek proper guidance on big data analytics including various programming paradigms and proper coding which include various projects related to it.

Course Outcomes:

Semester-1

Data Base Management System :

C01: Introduction to Data, Field, Record, File, Database, Database management system. Structure of database system, Advantage and disadvantage, levels of database system, Relational model, hierarchical model, network model, comparison of these models, E–R diagram, different keys used in a relational system, SQL.

C02: Students will learn about DBA, his responsibilities, Relational form like 1NF, 2NF, 3NF, BCNF, 4th NF, 5th NF, DBTG, concurrency control and its management, protection, security, recovery of database.

C03: Study of SQL–DDL, DML, DCL, Join methods & sub query, Union Intersection, Minus, Built in Functions, Views, Security amongst users, Sequences, Indexing ,Cursors– Implicit & Explicit, Functions & Packages Database Triggers.

C04: Study of Join methods & sub query, Union Intersection, Minus, Built in Functions, Views, Security amongst users, Sequences, Indexing .Cursors– Implicit & Explicit, Functions & Packages Database Triggers.

Data Entry using MS-Word and MS-Excel-(Practical):

C0: Designing and making excel sheets and word files with proper use of fonts and creating files, designing with proper layout and modifying it using all types of styles in various tabs.

MS- Access- (Practical) :

C0: Implementation of rules and working with databases, working with tables, working with forms including wizard, working with reports with proper types and tables including labels and wizard.

Semester-2 :

Introduction To Data Science :

CO1: Students will learn about data science concepts, statistical inference, statistical modelling, probability distribution, fitting a model, exploratory data analysis and data science process, tools and philosophy of EDA, case studies.

CO2: Students will get knowledge about machine learning algorithm, usage in applications, filtering spam, data wrangling, feature generation and feature selection, motivating application, user retention.

CO3: Students will be able to learn how to build a user facing data product, build own recommendation system, mining social network graphs, clustering of graphs, neighborhood properties in graph.

CO4: Students will get proper knowledge about data visualization, principles, ideas and tools, creating own visualization of complex dataset, data science and ethical issues, privacy, security, ethics, next generation data scientists.

Introduction to R :

C01: Concept of R environment, commands and case sensitivity, Data permanency and removing objects are taught with simple manipulations, objects and their modes and attributes.

C02: Study of ordered and unordered factors, arrays with indexing, matrix, functions and determinants, lists and data frames, reading data from files, loading and editing.

C03: Students will learn about probability distributions, grouping, control statements, writing own functions with object orientation.

C04: Study of statistical models including some non-standard models, graphical procedures and parameters, packages with standard packages, OS facilities with commands and directories.

Practical Based on Programming in R

C0: Implementation of commands related to R and experimenting the data with some manipulations, functions and indexing, activity related to models including packages, commands and directories.

Semester-3 :

Data Mining :

C01: Concept of Data Warehouse, Architecture of a data warehouse; Differences between Online Transaction Processing (OLTP) and Online Analytical Processing (OLAP).

C02: Students will learn about fundamentals of data mining, Data Mining Functionalities, Classification of Data Mining systems. Patterns and Technologies that are Used,

C03: Study of Data Mining Techniques, Outliers .Various Outlier Detection Methods: Supervised, Semi- Supervised, and Unsupervised Methods, Statistical Methods, Proximity-Based Methods, and Clustering-Based Methods. Statistical Approaches, Parametric Methods, Nonparametric Methods, Proximity-Based Approaches: Distance-Based Outlier Detection and a

Nested Loop Method, A Grid-Based Method, Density-Based Outlier Detection, Clustering-Based Approaches, Classification-Based Approaches, Mining Contextual and Collective Outliers, Outlier Detection in High-Dimensional Data.

C04: Study of Classification – Decision Tree Induction, Bayesian Classification – Prediction Back Propagation .Case studies in Data Mining applications. Other Methodologies of Data Mining, Statistical Data Mining, Views on Data Mining Foundations, Visual and Audio Data Mining

SAS- LAB :

C0: In this student will learn implementation of data analysis tool SAS.

It will cover setting SAS, SAS Programming, Preparing Data for analysis, Working with external data, Descriptive and Predictive analysis.

Python :

C01: Introduction to Python, Technical Strengths, Execution Model. Concept of Literals, Variables and Identifiers, Operators, Expressions, Strings, Statements and Data Types, Literals, Variables and Identifiers, Operators, Expressions, Strings, Statements and Data Types.

C02: Students will learn about Conditional blocks using if, else and elif, While statement, Definite loops using For, Loop Patterns, Functions, Packages and Modules: Fundamental Concepts, Program Routines, Flow of Execution, Parameters & Arguments, Recursive Functions, Recursive Problem Solving, Iteration vs. Recursion, Understanding Packages, Modules, Top-Down Design, Python Modules Importing own module as well as external modules and packages.

C03: Study of Files: Opening Files, Using Text Files, Reading files, Writing files, Understanding read functions, read(), readline() and readlines(), Understanding write functions, write() and writelines(), Manipulating file pointer using seek, String Processing, Exception Handling .Objects and Their Use: Introduction to Object Oriented Programming, Concept of class, object and instances, Constructor, class attributes and destructors, Real time use of class in

live projects, Inheritance, overlapping and overloading operators, Adding and retrieving dynamic attributes of classes, Programming using OOPS support.

CO4: Study of Database Concepts, SQL basic summary, SQL Database connection using python, creating and searching tables, Programming using database connections, Basic Data modelling, Programming with multiple tables.

Semester-4 :

Big Data:

CO1: This section gives the details about basics of big data, marketing and fraud, risk, applications, cloud, crowd sourcing analytics, firewall analytics.

CO2: It highlights knowledge of NoSql, types, data models, aggregates, relationships, mongoDB, mapreduce, partitioning and combining, calculations.

CO3: This section gives the details about hadoop, data format, analyzing data, hdfs concepts, data flow and integrity, compression, serialization, YARN, job scheduling, input and output formats.

CO4: To implement hadoop related tools that is cassandra, hive, file formats, data manipulation, queries, spark.

Big Data Analytics Using R:

CO: Implementation of commands related to R and experimenting the data with some manipulations, functions and indexing, activity related to models including packages, commands and directories.

Programming Lab Based On Numerical Analysis :

CO: Students will do practical work on Numerical Methods and Numerical Analysis. Errors and their measures, Various methods for solving non- linear equations, methods for solving system of linear equations are discussed and various problem are solved using these methods, Various Methods of Numerical Integration are done ,Significance of Interpolation and methods of

Interpolation are discussed and practically done, Various Measures of Central Tendency, Measures of Dispersion, Standard Deviation and Correlation are discussed and problems are solved, Curve Fitting- Linear and Non-Linear trend , Least Square Method is done.

MSc (IT)

Program Outcomes

- Apply computer science theory and software development concepts to construct computing-based solutions.
- Get ability to apply knowledge of Computer Science to the real-world issues.
- An understanding of professional, ethical, legal, security, and social issues and responsibilities for the computing profession.
- Apply the knowledge of mathematics, science, and computing to the solution of complex scientific problems.
- An ability to use appropriate techniques, skills, and tools necessary for computing practice.
- Get prepared for placement by developing personality & soft skills.

Program Outcome Specification

PSO1: Students learn about the network protocol , advanced web technologies , Linux Administration ,system simulation , microprocessor and its application and practical implementation of web technologies .

PSO2: Students get the knowledge of advanced java , artificial neural network ,network security and worked on the project .

Course Outcomes

Semester III

Network Protocols

CO1: understanding of TCP/IP model and protocol stack

CO2: thorough knowledge of various Transport and network layer protocols

CO3: study of Routing/routing protocols/router

CO4: Study of various communication devices/topologies

Advanced Web Technologies

CO1: Student able to understand fundamentals of Web Development using HTML, CSS, JAVA SCRIPT (Client side scripting), Server Site Development using PHP and ASP.NET. They also get knowledge about how to display information, Accepting user input, Submitting form data, Displaying images, Using the panel control, Using the hyperlink control.

CO2: Students design web application using master pages, Modifying master page content, Loading master page dynamically. Validation Controls like the required field validator control, range validator control, compare validator control, regular expression validator control, custom validator control, validation summary controls. Rich Controls like Accepting file uploads, Displaying a calendar, Displaying advertisement, Displaying different page views, Displaying a wizard also part of it.

CO3: Creating database connections, Executing database commands, Using ASP.NET parameters with the SQL data source controls, Programmatically executing SQL data source commands, Caching database data with the SQL data Source controls. List Controls: Dropdown list control, Radio button list controls, list box controls, bulleted list controls, custom list controls. Grid view control fundamentals, using field with the grid view control, Working with grid view control events extending the grid view control.

CO4: Building Data Access Components with ADO.NET: Connected the data access, Disconnected data access, Executing a synchronous database commands, Building data base objects with the .NET framework. Maintaining Application State: Using browser cookies, using session state, using profiles. Caching Application Pages and Data: page output caching, partial page caching, data source caching, data caching, SQL cache dependences.

Linux Administration

CO1: Understanding of Linux and steps to install Linux ,Updating of Gnome,KDE,Command Line Installing .

CO2: Knowlegde of administering linux,setting up LAN.

CO3: Understanding of setting up print server,setting up file server.

CO4:Study of setting up web server , setting up DHCP & NIS and troubleshooting .

System Simulation

CO1: Study of introduction to system, stochastic activities , principle used in modelling and simulation of systems .

CO2: Understanding of simulation of queuing systems and simulation in inventory control and forecasting

CO3: Knowledge of design and evaluation of simulation experiments and simulation languages.

CO4: Study of case studies, application to operating system, databases .

Microprocessor and its administration

CO1: Study of introduction to Microprocessor and general architecture of microprocessor

CO2:Description of architecture of 8086/8088 microprocessor and configuration of 8086/8088 microprocessor.

CO3:Knowledge of memory interface of 8086/8088 microprocessor ,USART and UART.

CO4:Study of interrupt interface of 8086/8088 microprocessor ,types of interrupt and interrupt vector table.

Programming Laboratory III

CO1: Practical implementation based on advanced web technologies using ASP.NET and Linux.

Semester IV

Advanced Java Technology

CO1 Describe the concept of object oriented paradigm, platform independence, control structures and data types.

CO2 Create Java application programs using sound OOP practices and understand the purpose and usage principles of inheritance, polymorphism, encapsulation and method overloading.

CO3 Ability to create packages, interfaces and multithreading.

CO4 Demonstrate to implement error handling techniques using exception handling, string and I/O handling

Network Security

CO1 : Understanding of Network Security perimeter and defense in depth.

CO2 : thorough knowledge of various host based and network based security mechanisms

CO3: analysis of various network based/ host based intrusion detection and prevention systems

CO4 : knowledge of various types of firewalls and its deployment

Artificial Neural Network

CO1: Students are able to get information regarding Evolution of ANN, Architecture of ANN, Knowledge representation, Basic learning rules, supervised by unsupervised learning, Method of steepest Descent, LMS Algorithm.

CO2: Students attain knowledge about Preceptron Model, Simple learning algorithm, pocket algorithm without and with Ratches, Linear Machines, Kessler's construction, Linear Machines Learning algorithm, Representing Boolean functions.

CO3: Students acquire knowledge about Anderson's BSB Model, Hopfield's Model, K-Means Clustering, Topology-Preserving Maps, ART1 and ART2.

CO4: Students study about Back-Propagation, Applications of Back-propagation like NETtalk, Handwritten Character Recognition, Pattern Recognition.

Programming Laboratory IV

CO1 Basics of Java programming, programs to implement the concepts of control statements, classes and functions, inheritance, polymorphism, interfaces, multi-threading concepts.

CO2 To apply OOP concepts such as string handling, exception handling in Java programming.

Project Work

CO1: Students developed the software module based on the work done in the entire course.

PGDCA

Program Outcomes

- To train graduate students in basic computer technology concepts and information technology applications.
- Students are able to use their knowledge to develop different web and windows based applications.
- Prepare presentation and perform computation on excel sheet
- Develop general purpose application based on C/C++ and HTML based languages.
- To enhance their career opportunities in the software development and maintenance sector in the state.
- Perform various office activities on computer system such as installation of software, handling of printer and scanner, internet connection along with troubleshooting of system.

Program Specific Outcome

PSO 1: Students got the knowledge of working on MS Office , MS Powerpoint , MS Excel ,MS access ,photoshop , corel draw , database management software oracle 10 g .

PSO 2: Students get to know about network concepts and managements ,programming in C , Introduction to scripting languages , web designing and uses of internet .

Course Outcome

Semester I

PC Computing – I (MS Office) 2003

CO 1: Students learn about various types of Primary Storage and Secondary Storage Devices. They also learn about various features of MS Word.

CO 2: Students learn about making a Presentation in Ms PowerPoint using its various features.

CO 3:They also learn about working with MS Excel, various Formulas of Excel, Creating a Graph in Excel.

CO 4: Understanding of MS-Access , creating the table ,entering the records in the table and modifying it.

PC Computing –II (Professional) DTP

CO1: Introduction to graphics , vector graphics and bitmaps ,understanding image size and resolution.

CO2:understanding of photoshop tools ,masks and histogram ,acquiring and importing images.

CO3: Study of Corel Draw 9 which includes knowledge of corel tools .

CO4: knowledge of transformation , trimming ,wielding ,intersection of objects and snapping.

Fundamentals of computers & Operating system

CO1: Study of introduction of computers , applications of computers and components of computers .

CO2: Understanding of operating system ,steps of booting and internal and external commands.

CO3:Study of unix ,its features ,structure of unix and Unix file system .

CO4:Knowledge of piping ,shell programming ,batch processing and various types of shells .

Database Management System through oracle 10g & System Analysis and Design

CO1: Introduction to Data, Field, Record, File, Database, Database management system. Structure of database system, Advantage and disadvantage, levels of database system, Relational model, hierarchical model, network model, comparison of these models, E–R diagram, different keys used in a relational system, SQL.

CO2:Study of Software development life cycle and SQL–DDL, DML, DCL

CO3:, Understanding of Join methods & sub query, Union Intersection, Minus, Built in Functions, Views, Security amongst users, Sequences, Indexing .

CO4: Study of Cursors– Implicit & Explicit, Functions & Packages Database Triggers.

Semester II

Network Concepts and Management

CO1: Describe the functions of each layer in OSI and TCP/IP model & ISDN model ,router,hub and switches

CO2:Apply the knowledge of cryptographic checksums and evaluate the performance of Different message digest algorithms for verifying the integrity of varying message sizes, IP addressing schemes and classify the Account policies and how to create a user account ,what is group membership etc.

CO3:Identify use and analyze the network operating system, architecture, shell ,kernel etc.

CO4: Understand the process of NT server, Unix and Linux.

Programming in C

CO1:Basics of C Language, various operators along with their Precedence and Assosciativity are taught. Various Data input and Output functions are discussed.

CO2:Students learn about various Control Statements and various Storage classes of C language.

CO3:Students are introduced with the concept of Functions and their advantages, use of Arrays in Programs and the concept of Strings and various String Handling Functions.

CO4: Students are acquainted with the concept of Structures and Unions. The concept of Pointers is also discussed in detail.

Introduction in scripting languages , web designing & uses of internet

CO1: Study of HTML, tags , frames , uses of hyperlinks , frames , tables , forms and limitations of HTML.

CO2: Knowledge of creating a website using wizard and creating a webpage using a template .

CO3: Understanding of internet , types of internet connectivity ,world wide web ,file transfer protocol .

CO4: Knowledge of cyber crime , types of cyber crime , cookies , virus and Trojan horse .

E-commerce

CO1 It defines and differentiate various types of E-commerce. It includes various steps involved in opening online business, EDI vs Traditional Systems, components of EDI system and its implementation issues.

CO2 Explain basic challenges to E-Commerce. Describe various laws for E-Commerce legal and technical issues for internet commerce.

CO3 To demonstrate usefulness of E-Commerce in various business areas Banks, Reservations, E-Governance, Supply-chain, management, manufacturing, retailing and online publishing.

CO4 Discuss EDI service providers in India, EDI projects in the government regulatory agencies and laws for E-Commerce in India.

M.VOC. (E-Commerce)

Program Specific Outcome

PSO1 Understand System Analysis and Algorithm Design, ICT Essentials, Business Intelligence and Data Visualization using Tableau, E-Commerce Technologies, Soft Skills and Personality Development and develop a minor project based on e-commerce technologies.

PSO2 Understanding of Big data and Cloud computing, supply chain and e-logistics Management, E-Commerce technologies, Human computer interaction, design and user experience, web Analytics and complete the summer training /internship.

PSO3 Understanding of Social media and mobile marketing, E-Customer relationship Management, Development of E-Business Plan, laws, policies and ethics related to e-crime and e-security and develop a project based on e-commerce technologies.

Course Outcomes

Semester- I

Paper I- System Analysis and Algorithm Design

Section- A

The students will learn about requirements specification, feasibility analysis, cost benefit analysis, system proposal preparation for managements, tools for prototype creation, hardware and software study, system design, system implementation, system evaluation, role and attributes of system analyst and tools used in system analysis.

Section- B

The students will goes through the various tools of system analysis, case study for use of Data flow Diagrams, software tools to create DFDs, procedure specification in structured English, Decision Tables for complex logical specifications.

Section- C

The students will learn about E-R diagrams, coding techniques, error detection methods, validation techniques, designing of screen, output reports and graphical user interfaces.

Section- D

The students will learn about various computer problem solving aspects, designing algorithms, analysis of algorithms, efficiency of algorithms, flow chart designing of various problems.

Paper II- ICT Essentials

Section – A

The students will go through e-commerce essentials, various website development models, How to target your customers, website's blueprint design, domain name, digital certificates, various payment options, server specification for a small website and robust website.

Section- B

The students will learn about backup, uninterruptable power supply, RAID, common website security measures, internet fraud, operating system, web server, database publishing and log analysis software.

Section- C

The students will go through various HTML editors, E-Commerce software, online auction, weblogs, all-in-one website services, Quality assurance plan, server error log, service level agreements, continual quality assurance, website maintenance and management measures.

Section- D

The students will go through various web hosting services models, types of hosting accounts, hosting needs, designing of search engines, directories, sponsored listings, implementation of marketing plan, onsite marketing techniques, create a customer service strategy.

Paper- III: Business Analytics and Data Visualization using Tableau (Practical)

The students will go through the processes, methodologies and practices used to transform the large amounts of business and public data into useful information to support business decision-making. Students will learn how to extract and manipulate data from these systems.

Paper- IV: E-Commerce Technologies- I (Practical)

The students will go through the technologies and infrastructure required to support digital innovation. The students will learn about the key web concepts and skills for designing, creating

and maintaining websites, such as HTML5, CSS, JavaScript, AJAX theory, PHP, SQL and NoSQL databases.

Paper- V: Soft skills and Personality Development (Practical)

Section- A

The students will learn about the Process, Importance and Measurement of Soft Skill Development, Setting Goals, Beliefs, Values, Attitude, Developing Positive Thinking and Attitude, Driving out Negativity, Meaning and Theories of Motivation, Enhancing Motivation Levels.

Section-B

The students will learn about various communication models, process and barriers, team communication, listening skills, writing skills, corporate communication styles, Strategies and Essential tips for effective public speaking, various group discussion techniques, teamwork and Concept of Leadership and honing Leadership skills.

Section- C

The students will go through various interview skills, presentation skills, etiquette and manners, time management and personality development skills.

Section- D

The students will go through various decision-making and problem-solving skills, conflict management, stress management, leadership and assertiveness skills, and strategies to enhance emotional intelligence

Paper VI : Minor Project(Website based on E-Commerce Technologies)

The students will learn to create a website using e-commerce technologies.

Semester- II

Paper- I: Big Data and Cloud Computing

Section- A

The students will learn about data science, history of data science, technique, impacts and importance of data science, programming languages used for data science, future of data science as a career choice, analytics and metrics of big data and data science

Section- B

The students will go through most common cyber security threats, methods to reduce Cyber-attacks, Impacts of cyber-attacks on business and Future of cyber security.

Section- C

The students will learn about Characteristics of Cloud Computing, service oriented architecture, service-level agreement, Cloud Service and Deployment Models, Cloud Architecture, Challenges With Cloud Computing, Cloud Storage Service, Cloud Load- Balancing Services, Cloud Back Up And Disaster-Recovery Services, Management and Administration Of Cloud Services.

Section – D

The students will learn about different infrastructure service providers, benefits of cloud infrastructure services, Comparison between Infrastructure Service Providers, different Platform Service Providers, Platform Service Providers, Different Software Service Providers and Comparison Between various Software Service Providers.

Paper- II: Supply Chain and e-logistics Management

Section- A

The students will learn about definition and objectives of supply chain management, SCM framework, importance of e-logistic, forward logistics – Reverse logistics – Logistics renovation toward e-logistics, New trends and technology in logistics.

Section- B

The students will learn through e-logistics methods of documentation, electronic data interchange, Enterprise resource planning systems, the internet, intranets and extranets, the World Wide Web, Web-enabled relational databases, data warehouses and data marts, Decision support systems.

Section- C

The students will learn about advanced shipping notices, Satellite global positioning systems (GPS) and geographic information systems (GIS), Bar-coding and scanning, Electronic signature technology, Radio frequency identification (RFID).

Section- D

The students will go through electronic procurement, Transport and delivery management, Packing and order management, Inventory and warehousing, Application architecture of Customer relationship management (CRM), E-business logistics and its benefits

Paper III: E-Commerce Technologies- II (Practical)

The students will go through front-end framework: React. The student will learn to create hybrid applications, using React. On the server side, student will learn to implement NoSQL databases using MongoDB.

Paper IV: Human Computer Interaction, Design and User Experience (Practical)

The students will learn about UX/UI Design, Design PARADIGMS, The Delicate Balance among Emotion, Visual Appeal and Usability User PERSONAS, Set up work spaces Amass a group, Physical Mockups as Embodied Sketches, Human Memory Limitations, Sensory Memory, Presence of Cognitive Affordance Intellectual affordance recognizability, Psychological affordance intelligibility, Dealing with the process with movement progress models.

Paper V: Web Analytics (Practical)

The student will understand web analytics concepts, Understanding Google Analytics , Types of Reports, Measuring metrics, Tracking traffic source, Creating multichannel funnels, Real-time analysis, Generating customized dashboards, Creating Custom Alerts, Option for the table view, Recency and Frequency Reports.

Paper VI: Summer Training/ Internship

The students will work with an organization for hands on experience. The duration of the Summer Training/Internship is six to eight weeks. The training undertaken preferably lead to expertise in the field of the following job roles: E-Commerce Developer, E-Commerce Business Analyst, Digital Operations Manager, IT Manager etc. The student will prepare a report and submit one copy to the organization and one copy each to the institute and the university.

Semester – III

Paper- I: Social Media and Mobile Marketing

Section- A

The students will learn about Social Media Marketing basics, Social Media Components, Applications and Benefits, Social Media Applications.

Section- B

The students will goes through Social Media Approaches, Social Media Marketing Framework, Microblogging/Blogging Platforms, Content-SharingPlatforms and Extended Social Media Platform Categories .

Section- C

The students will learn about Mobile Marketing Basics, The Mobile Ecosystem, Mapping the Mobile Consumer, Mobile Value Chain and Key Stakeholders, Mobile Marketer–Consumer Interaction Model.

Section- D

The students will learn about MOBILE Marketing Framework, Mobile marketing key execution elements like Establishing Presence, Extending Presence, and Partner Execution.

Paper II: E-Customer Relationship Management

Section- A

The students will learn about The World of Customer Service, Contributing to the Service Culture.

Section – B

The students will learn about Verbal Communication Skills, Nonverbal Communication Skills, and Listening to the Customer.

Section – C

The students will go through Customer Service and Behavior, Service Breakdowns and Recovery, Customer Service in a Diverse World, Customer Service via Technology.

Section – D

The students will learn about Encouraging Customer Loyalty.

Paper III: Digital Entrepreneurship: Developing an E-Business Plan (Practical)

The students will learn about New Opportunities and Challenges in Digital Entrepreneurship, Creating a Digital Business Design, Design Presentations, Cost Benefit Analysis, Customer Acquisition in a Digital World, Digital Business Experiments, Launching a New Digital Business Venture.

Paper IV: E-Crime and E-Security: Law, Policy and Ethics (Practical Based on Case Study)

The students will understand about Cyber Crime, Causes of Cyber Crime, Impact and Effects of Cyber Crimes, various laws of cyber crime, Common Cyber Crimes and Applicable Legal Provisions.

Paper V: E-Commerce Technologies-III (Practical)

The students will Understand The Shopify Ecommerce Platform, Set Up A Beautiful Shopify Website, Set Up Products Including Integration With Amazon, Etsy, and other selling sites, Collect Money Via Shopify, Integrate Social Media Into Your New Shopify Website, Use Shopify Reports & 3rd Party Analytics Tools To Maximize Profit.

Paper- VI: Project Based on E-Commerce Technologies (Website and Viva-voce)

The students will develop a website based on the work done in the entire semester. The website can be developed in groups, consisting of at most two students in a group. The soft copy of the module shall be submitted to the College/Institute

Department Of Punjabi

B Com

Course name: Basic Punjabi

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about the rich heritage, culture of Punjab especially their mother tongue "Punjabi" being residents of Punjab. This course provides a platform to the students from where they can enhance their capacity to communicate and interact effectively with across languages and culture.

Semester-I

Course outcomes

CO1: This study program will enhance the knowledge of Punjabi language. They will come to know about the origin of Punjab and Punjabi language. The use of Punjabi script Gurumukhi is mandatory. Students learn about reasonable writing formation, shape and proportion.

CO2: Through Grammar skills, students would be able to learn technical aspects of Punjabi language and its structure especially in communication and writing skills. Correct punctuation and accurate spacing techniques help them to learn accurate writing pattern.

CO3: Students will learn about different work mode and their work tools especially in societies of Punjab. They can use this information in their business and work area while communicating with audiences.

CO4: Students will learn about different relationships in Punjabi region and they will also learn the vocabulary of daily life like counting, name of months, name of seasons, name of days. This information surely helps them in communicating with local people.

B Com –Semester I

Compulsory Punjabi

Program Specific Outcomes

PSO1: Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state.

PSO2: Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc

PSO3: The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “DO RANG” will be followed. The book has been divided into two parts i.e. stories and poetry from which only stories will be taught in the first semester. The stories basically deals with Social, Religious, Economic and Cultural aspects .For example – The story “BHUA” talks of Punjabi culture and the way of hospitality for our loved ones. Another story “Bagha Da Rakha” talks of lead character's economic condition.

CO2: During the course the book named “SANSAR DIYAN PARSIDH HASTIYAN” (First nine Biographies) will be followed. In this section student will be introduce to renowned social reformers, painters, Guru's (GURU NANAK DEV JI, GURU ARJAN DEV JI,)Suffi's(BABA FARID, BABA BHULE SHAH) and freedom fighters. Which basically enhance and teach them about society, human life, teachings, love towards country, emotions and importance of God.

CO3: Writing skills as paragraph writings and unseen passages are taught to students In order to improve their usage of Punjabi language. Group discussion is also encouraged on general topic in classroom which helps them to enhance their point of view. These kinds of practices definitely help them in practical life.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about regional language, Punjabi as official language, technical language, different dialects

across the state and its usage and importance. The part of the course also talks of Punjabi language and its development.

Semester 2

Course name: Basic Punjabi

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about their rich heritage, culture especially their mother tongue "Punjabi" being a residence of Punjabi. This course provides a platform to the students where they can enhance their capacity to communicate and interact effectively across languages and culture.

Course outcomes

CO1:Students will be able to enhance their writing skills by learning the different parameters of Grammar like Noun, Pronoun, Verb, Adverb, Adjective etc. Through practice they can make their writing and speaking skills more effective.

CO2:Students will be able to learn the formation of sentences, types and their use in daily life. Surely it will help them in to make their reading, speaking, listening and writing skills more powerful.

CO3:Students will be able to express their own ideas, information, imagination and their own perspective through paragraph writing. Precis writing provides training in careful reading and it's also useful to develop one's capacity to discriminate between essential or non-essential information.

CO4:Students will be able to enhance their writing ability through practice of letter writing. These kinds of practices differently help them in practical life. With the use of phrases, idioms and proverbs they will be able to make their speaking and writing skills more effective.

B com-Semester 3

Basic Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc. The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, for practical aspects students will be able to learn Punjabi through comprehension as well as translation from English to Punjabi. This portion will help those students who are new to Punjabi language.

CO2: During the course the students will learn about the poetry form and eminent Punjabi poet bhai vir singh, firozdeen shafat, mohan singh and shiv kumar batalvi. Through this poetry they will be able to come to know different types of Punjabi poetry.

CO3: During the course the students will be able to learn Punjabi social culture through stories named bhua, sanjhi kandh, dudh da chappar, oh sochdi etc.

CO4: The fourth part of the course deals with the prose portion of Punjabi literature especially Punjabi essay named ghar da pyaar, khushamdi naal, aou galan kriye and manouk kudrat di nek aoulaad nahi etc. By reading these essays they will be able to learn about different writing skills of different writers.

Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “Adhunik Punjabi vartak” Gurbachan singh Talib The Eassy basically deals with Social, Religious, Economic and Cultural aspects .For example – The eassy “Punjab da sabhiyachaar ” talks of Punjabi culture.In Mere Dadi ji the writer presents the life and thoughts of his grandmother.In "Guru Arjun Dev ji di shadat" the writer talks about the historical event that relates to the sacrifices of Guru ji. In "Shanti Niketan" the writer presents the glimpses of Shanti Niketan.

CO2: During the course the book named “Chonve Punjabi Ikangi ” Which basically enhances and teaches students about society, human life, teachings that focuses on love towards country, emotions and Social issues. In "Suhaag" the writer I.C.Nanda takes up the social issue of child marriage."Armaan" It describes parent's wishes for their child to achieve success in his life but how a child spoils his and his parent's life by being addicted to drugs.

"Sadhraan" ikangi is based on HIV aids. It is all about how HIV aids destroys a family life.

CO3: Student will be able to enhance their writing ability through practice of "**Precis**" writing. These kinds of practices definitely help them in practical life. "Shudh shabad jodd " will be taught to students which can be improve their speaking and writing skills.

CO4: The fourth part of the course deals with Grammatical part of the language where students learn about word structure/Formation and parts of Grammar e.g.Bhaavansh, Shabad, Vaakansh, Upvaak, and Vaak.

4th Semester

Basic Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “atam anam” will be followed. From this book students will read bhai vir singh and dhani Ram chatril and prof pooran singh .

CO2: During the course the book named atam anam will be followed. This book actually presents modern approach toward the different aspects of life. In this section students will come to know about poet named firozdeen shafraf, prof mohan singh , nand lal noorpuri etc.

CO3: Student will be able to enhance their knowledge about different poet and their approach towards poet named amrita pritam, Dr harbhajan singh and shiv kumar batalwi and surjit patar

CO4: students will be able to enhance their writing ability through practice of essay writing and spelling bee also .

Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “Meri Jeevan Gatha ” will be followed. The book is the autobiography of Dr. Dewaan singh.

The life story of person written by Dewaan Singh. The purpose may to be highlight an event or person in a way to help the public learn a lesson, feel inspired, or to realize that they are not alone in their circumstance. AutoBiographies are also a way to share history.

CO2: During the course the book named “Fasley” . It illustrates the differences and distances in the society based on caste, creed, class etc.

CO3: Writing skills as essay writings and News Paper Advertisement will help students to improve their usage of Punjabi language. Group discussion is also encouraged on general topic in classroom which helps them to enhance their point of view. These kinds of practices definitely help them in practical life.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about regional language, Punjabi as official language, technical language, different dialects across the state and its usage and importance. The part of the course also talks of Punjabi language and its development.

B Com

5th Semester

Subject: Compulsory Punjabi

Program Specific Outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc. The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named "Choni Punjabi kahani" will be followed. The stories basically deal with Social, Religious, Economic and Cultural aspects. Most of the stories showcase the contemporary problems of our society. For this we can see New Year, Ekavaya, Rahu Ketu etc.

CO2: During the course the novel named "Eho hamara jeewana" will be followed. Famous novelist of Punjabi literature Dalip Kaur Tiwana presents a feminist point of view through this novel. She talks about our feudal system where women fail to find their own existence.

CO3: Writing skills as paragraph writings and translation taught to students. In order to improve their usage of Punjabi language. Group discussion is also encouraged on general topics in the classroom which helps them to enhance their point of view. These kinds of practices definitely help them in practical life.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about regional language, Punjabi as official language, technical language, different dialects across the state and its usage and importance. The part of the course also talks of Punjabi language and its development.

Course name: Basic punjabi

BBA 1st semester

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about the rich heritage, culture of Punjab especially their mother tongue "Punjabi" being residents of Punjab. This course provides a platform to the students from where they can enhance their capacity to communicate and interact effectively with across languages and culture.

Course outcomes

CO1: This study program will enhance the knowledge of Punjabi language. They will come to know about the origin of Punjab and Punjabi language. The use of Punjabi script Gurmukhi is mandatory. Students learn about reasonable writing formation, shape and proportion.

CO2: Through Grammar skills, students would be able to learn technical aspects of Punjabi language and its structure especially in communication and writing skills. Correct punctuation and accurate spacing techniques help them to learn accurate writing pattern.

CO3: Students will learn about different work mode and their work tools especially in societies of Punjab. They can use this information in their business and work area while communicating with audiences.

CO4: Students will learn about different relationships in Punjabi region and they will also learn the vocabulary of daily life like counting, name of months, name of seasons, name of days. This information surely helps them in communicating with local people.

BBA 1ST SEMESTER

SUBJECT: COMPULSORY PUNJABI

Program specific outcomes

PSO1: Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state.

PSO2: Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc

PSO3: The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named "DO RANG" will be followed. The book has been divided into two parts i.e. stories and poetry from which only stories will be taught in the first semester. The stories basically deals with Social, Religious, Economic and Cultural aspects .For example – The story "BHUA" talks of Punjabi culture and the way of hospitality for our loved ones. Another story "Bagha Da Rakha" talks of lead character's economic condition.

CO2: During the course the book named "SANSAAR DIYAN PARSIDH HASTIYAN" (First nine Biographies) will be followed. In this section student will be introduce to renowned social reformers, painters, Guru's (GURU NANAK DEV JI, GURU ARJAN DEV JI,)Suffi's(BABA FARID, BABA BHULE SHAH) and freedom fighters. Which basically enhance and teach them about society, human life, teachings, love towards country, emotions and importance of God.

CO3: Writing skills as paragraph writings and unseen passages are taught to students In order to improve their usage of Punjabi language. Group discussion is also encouraged on general topic in classroom which helps them to enhance their point of view. These kinds of practices definitely help them in practical life.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about regional language, Punjabi as official language, technical language, different dialects across the state and its usage and importance. The part of the course also talks of Punjabi language and its development.

BBA

2ND SEMESTER

Course name: Basic punjabi

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about their rich heritage, culture especially their mother tongue "Punjabi" being a residence of Punjabi. This course provides a platform to the students where they can enhance their capacity to communicate and interact effectively across languages and culture.

Course outcomes

CO1: Students will be able to enhance their writing skills by learning the different parameters of Grammar like Noun, Pronoun, Verb, Adverb, Adjective etc. Through practice they can make their writing and speaking skills more effective.

CO2: Students will be able to learn the formation of sentences, types and their use in daily life. Surely it will help them in to make their reading, speaking, listening and writing skills more powerful.

CO3: Students will be able to express their own ideas, information, imagination and their own perspective through paragraph writing. Precis writing provides training in careful reading and it's also useful to develop one's capacity to discriminate between essential or non-essential information.

CO4:Students will be able to enhance their writing ability through practice of letter writing .These kinds of practices differently help them in practical life .With the use of phrases, idioms and proverbs they will be able to make their speaking and writing skills more effective.

Compulsory Punjabi

Program specific outcomes

PSO1: Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state.

PSO2: Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc

PSO3: The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “DO RANG” will be followed. The book has been divided into two parts i.e. stories and poetry from which only poetry will be taught in the second semester. The poetry section of the book introduces the students to renowned authors of Punjab as – Bhai veer singh, dhani ram chatrick, shiv kumar batalvi, surjit patar, amrita preetam and many more. Bhai Veer Singh whose work talks of nature. Another poet is Feeroz Deen Sharaf whose poetry talks of value of sacrifice and importance of being Punjabi .Shiv Kumar Batalvi whose poetry talks of love and the pain of separation etc.

CO2: During the course the book named “SANSAR DIYAN PARSIDH HASTIYAN” (First nine Biographies) will be followed. In this section student will be introduce to renowned social reformers(MOTHER TERESA), painters(AMRITA SHEERGILL), Guru's, Suffi's and freedom fighters(BHAGAT SINGH,MAHATMA GHANDHI). Which basically enhance and teach them about society, human life, teachings, love towards country, emotions and importance of God.

CO3: Student will be able to enhance their writing ability through practice of letter writing. These kinds of practices definitely help them in practical life. Idioms and proverbs will be taught to students which can be improve their speaking and writing skills.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about word structure/Formation and parts of speech e.g.Noun, Pronoun, verb, Adjective, Adverb, Preposition, Conjunction and Interjection.

BBA 3rd SEMESTER

Basic Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc. The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, for practical aspects students will able to learn Punjabi through comprehension as well as translation from English to Punjabi. This portion will help those students who are new to Punjabi language.

CO2: During the course the students will learn about the poetry form and eminent Punjabi poet bhai vir singh, firozdeen shafat,mohan singh and shiv kumar batalwi . Through this poetry they will be able to come to know different types of Punjabi poetry.

CO3: during the course the students will able to learn Punjabi social culture through stories named bhua, sanjhi kandh, dudh da chappar,oh sochdi etc.

CO4: The fourth part of the course deals with the prose portion of Punjabi literature especially Punjabi essay named ghar da pyaar, khushamdi naal, aou galan kriye and manouk kudrat di nek aoulaad nahi etc. By reading these essays they will be able to learn about different writing skills of different writers.

SUBJECT: COMPULSORY PUNJABI

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “Adhunik Punjabi vartak” Gurbachan singh Talib The Eassy basically deals with Social, Religious, Economic and Cultural aspects .For example – The eassy “Punjab da sabhiyachaar ” talks of Punjabi culture. In Mere Dadi ji the writer presents the life and thoughts of his grandmother. In "Guru Arjun Dev ji di shadat" the writer talks about the historical event that relates to the sacrifices of Guru ji. In "Shanti Niketan" the writer presents the glimpses of Shanti Niketan.

CO2: During the course the book named “Chonve Punjabi Ikangi ” Which basically enhances and teaches students about society, human life, teachings that focuses on love towards country, emotions and Social issues. In "Suhaag" the writer I.C.Nanda takes up the social issue of child

marriage."Armaan" It describes parent's wishes for their child to achieve success in his life but how a child spoils his and his parent's life by being addicted to drugs.

"Sadhraan" ikangi is based on HIV aids. It is all about how HIV aids destroys a family life.

CO3: Student will be able to enhance their writing ability through practice of "**Precis**" writing. These kinds of practices definitely help them in practical life. "Shudh shabad jodd " will be taught to students which can be improve their speaking and writing skills.

CO4: The fourth part of the course deals with Grammatical part of the language where students learn about word structure/Formation and parts of Grammar e.g.Bhaavansh, Shabad, Vaakansh, Upvaak, and Vaak.

BBA 4th SEMESTER

Basic Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named "atam anam" will be followed. From this book students will read bhai vir singh and dhani Ram chatril and prof pooran singh .

CO2: During the course the book named *atam anam* will be followed. This book actually presents a modern approach toward the different aspects of life. In this section students will come to know about poet named Firozdeen Shafraf, Prof. Mohan Singh, Nand Lal Noorpuri etc.

CO3: Student will be able to enhance their knowledge about different poet and their approach towards poet named Amrita Pritam, Dr. Harbhajan Singh and Shiv Kumar Batalvi and Surjit Patar.

CO4: Students will be able to enhance their writing ability through practice of essay writing and spelling bee also.

SUBJECT: COMPULSORY PUNJABI

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc. The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named "*Meri Jeevan Gatha*" will be followed. The book is the autobiography of Dr. Dewaan Singh.

The life story of a person written by Dewaan Singh. The purpose may be to highlight an event or person in a way to help the public learn a lesson, feel inspired, or to realize that they are not alone in their circumstance. AutoBiographies are also a way to share history.

CO2: During the course the book named "*Fasley*" . It illustrates the differences and distances in the society based on caste, creed, class etc.

CO3: Writing skills as essay writings and News Paper Advertisement will help students to improve their usage of Punjabi language. Group discussion is also encouraged on general topic in classroom which helps them to enhance their point of view. These kinds of practices definitely help them in practical life.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about regional language, Punjabi as official language, technical language, different dialects across the state and its usage and importance. The part of the course also talks of Punjabi language and its development.

BBA 5th semester

SUBJECT: COMPULSORY PUNJABI

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc. The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named "Choni Punjabi kahani" will be followed. The stories basically deal with Social, Religious, Economic and Cultural aspects. Most of the stories showcase the contemporary problems of our society. For this we can see New Year, Eklavya, Rahu Ketu etc.

CO2: During the course the novel named "Eho hamara jeevana" will be followed. Famous novelist of Punjabi literature Dalip Kaur Tiwana presents a feminist point of view through this novel. She talks about our feudal system where women fail to find their own existence.

CO3: Writing skills as paragraph writings and translation taught to students In order to improve their usage of Punjabi language. Group discussion is also encouraged on general topic in classroom which helps them to enhance their point of view. These kinds of practices definitely help them in practical life.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about regional language, Punjabi as official language, technical language, different dialects across the state and its usage and importance. The part of the course also talks of Punjabi language and its development.

BBA

6th semester

COMPULSORY PUNJABI

Program specific outcomes

PSO1: Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state.

PSO2: Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc

PSO3: The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named "Dhartian de geet" will be followed. This book actually a showcase of Baljinder Singh Hamadard's point of view towards Asia and the people of tribes living in Andaman and Nicobar. Baljinder Singh represents culture and socio-economic lifestyle of Tribes and people of Japan, Malaysia etc.

CO2: During the course the book named “kav gourav” will be followed. This book is actually a variation of mediaeval and modern poetry. Through this book where students come to know about mediaeval approach towards the different things, they will also get the knowledge about modernization, self existence etc.

CO3: Student will be able to enhance their writing ability through practice of essay writing. These kind of practices help them in their practical life also. Different form of literature will be taught.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about structure of vakhansh and its types.

Course name: Basic punjabi

BA , Bsc Eco

1st semester

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about the rich heritage, culture of Punjab especially their mother tongue "Punjabi" being residents of Punjab. This course provides a platform to the students from where they can enhance their capacity to communicate and interact effectively with across languages and culture.

Course outcomes

CO1: This study program will enhance the knowledge of Punjabi language. They will come to know about the origin of Punjab and Punjabi language. The use of Punjabi script Gurmukhi is mandatory. Students learn about reasonable writing formation, shape and proportion.

CO2: Through Grammar skills, students would be able to learn technical aspects of Punjabi language and its structure especially in communication and writing skills. Correct punctuation and accurate spacing techniques help them to learn accurate writing pattern.

CO3: Students will learn about different work mode and their work tools especially in societies of Punjab. They can use this information in their business and work area while communicating with audiences.

CO4:Students will learn about different relationships in Punjabi region and they will also learn the vocabulary of daily life like counting, name of months , name of seasons, name of days This information surely helps them in communicating with local people .

BA,Bsc eco

1ST SEMESTER

SUBJECT: COMPULSORY PUNJABI

Program specific outcomes

PSO1: Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state.

PSO2: Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc

PSO3: The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “DO RANG” will be followed. The book has been divided into two parts i.e. stories and poetry from which only stories will be taught in the first semester. The stories basically deals with Social, Religious, Economic and Cultural aspects .For example – The story “BHUA” talks of Punjabi culture and the way of hospitality for our loved ones. Another story “Bagha Da Rakha” talks of lead character's economic condition.

CO2: During the course the book named “SANSAAR DIYAN PARSIDH HASTIYAN” (First nine Biographies) will be followed. In this section student will be introduce to renowned social reformers, painters, Guru's (GURU NANAK DEV JI, GURU ARJAN DEV JI,)Suffi's(BABA FARID, BABA BHULE SHAH) and freedom fighters. Which basically enhance and teach them about society, human life, teachings, love towards country, emotions and importance of God.

CO3: Writing skills as paragraph writings and unseen passages are taught to students In order to improve their usage of Punjabi language. Group discussion is also encouraged on general topic in classroom which helps them to enhance their point of view. These kinds of practices definitely help them in practical life.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about regional language, Punjabi as official language, technical language, different dialects across the state and its usage and importance. The part of the course also talks of Punjabi language and its development.

Course name: Basic punjabi

Sem 2

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about their rich heritage, culture especially their mother tongue "Punjabi" being a residence of Punjabi. This course provides a platform to the students where they can enhance their capacity to communicate and interact effectively across languages and culture.

Course outcomes

CO1: Students will be able to enhance their writing skills by learning the different parameters of Grammar like Noun, Pronoun, Verb, Adverb, Adjective etc. Through practice they can make their writing and speaking skills more effective.

CO2: Students will be able to learn the formation of sentences, types and their use in daily life. Surely it will help them in to make their reading, speaking, listening and writing skills more powerful.

CO3: Students will be able to express their own ideas, information, imagination and their own perspective through paragraph writing. Precis writing provides training in careful reading and it's also useful to develop one's capacity to discriminate between essential or non-essential information.

CO4:Students will be able to enhance their writing ability through practice of letter writing .These kinds of practices differently help them in practical life .With the use of phrases, idioms and proverbs they will be able to make their speaking and writing skills more effective.

BA , B.Sc (Eco)

2ND SEMESTER

SUBJECT: COMPULSORY PUNJABI

Program specific outcomes

PSO1: Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state.

PSO2: Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc

PSO3: The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “DO RANG” will be followed. The book has been divided into two parts i.e. stories and poetry from which only poetry will be taught in the second semester. The poetry section of the book introduces the students to renowned authors of Punjab as – Bhai veer singh, dhani ram chatrick, shiv kumar batalvi, surjit patar, amrita preetam and many more. Bhai Veer Singh whose work talks of nature. Another poet is Feeroz Deen Sharaf whose poetry talks of value of sacrifice and importance of being Punjabi .Shiv Kumar Batalvi whose poetry talks of love and the pain of separation etc.

CO2: During the course the book named “SANSAR DIYAN PARSIDH HASTIYAN” (First nine Biographies) will be followed. In this section student will be introduce to renowned social reformers(MOTHER TERESA), painters(AMRITA SHEERGILL), Guru's, Suffi's and freedom

fighters(BHAGAT SINGH,MAHATMA GHANDHI). Which basically enhance and teach them about society, human life, teachings, love towards country, emotions and importance of God.

CO3: Student will be able to enhance their writing ability through practice of letter writing. These kinds of practices definitely help them in practical life. Idioms and proverbs will be taught to students which can be improve their speaking and writing skills.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about word structure/Formation and parts of speech e.g.Noun, Pronoun, verb, Adjective, Adverb, Preposition, Conjunction and Interjection.

BA, Bsc eco

3rd sem

Basic Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc. The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, for practical aspects students will able to learn Punjabi through comprehension as well as translation from English to Punjabi. This portion will help those students who are new to Punjabi language.

CO2: During the course the students will learn about the poetry form and eminent Punjabi poet bhai vir singh, firozdeen shafat, mohan singh and shiv kumar batalwi . Through this poetry they will be able to come to know different types of Punjabi poetry.

CO3: during the course the students will be able to learn Punjabi social culture through stories named bhua, sanjhi kandh, dudh da chappar, oh sochdi etc.

CO4: The fourth part of the course deals with the prose portion of Punjabi literature especially Punjabi essay named ghar da pyaar, khushamdi naal, aou galan kriye and manouk kudrat di nek aoulaad nahi etc. By reading these essays they will be able to learn about different writing skills of different writers.

BA/BSC.ECO
3rd SEMESTER
COMPULSORY PUNJABI

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named "Adhunik Punjabi vartak" Gurbachan singh Talib The Eassy basically deals with Social, Religious, Economic and Cultural aspects .For example – The eassy "Punjab da sabhiyachaar " talks of Punjabi culture. In Mere Dadi ji the writer presents the life and thoughts of his grandmother. In "Guru Arjun Dev ji di shadat" the writer talks about

the historical event that relates to the sacrifices of Guru ji. In "Shanti Niketan" the writer presents the glimpses of Shanti Niketan.

CO2: During the course the book named “Chonve Punjabi Ikangi ” Which basically enhances and teaches students about society, human life, teachings that focuses on love towards country, emotions and Social issues. In "Suhaag" the writer I.C.Nanda takes up the social issue of child marriage."Armaan" It describes parent's wishes for their child to achieve success in his life but how a child spoils his and his parent's life by being addicted to drugs.

"Sadhraan" ikangi is based on HIV aids. It is all about how HIV aids destroys a family life.

CO3: Student will be able to enhance their writing ability through practice of "**Precis**" writing. These kinds of practices definitely help them in practical life. "Shudh shabad jodd " will be taught to students which can be improve their speaking and writing skills.

CO4: The fourth part of the course deals with Grammatical part of the language where students learn about word structure/Formation and parts of Grammar e.g.Bhaavansh, Shabad, Vaakansh, Upvaak, and Vaak.

BA, Bsc eco

Basic Punjabi

Sem 4

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “atam anam” will be followed. From this book students will read bhai vir singh and dhani Ram chatril and prof pooran singh .

CO2: During the course the book named atam anam will be followed. This book actually presents a modern approach toward the different aspects of life. In this section students will come to know about poet named firozdeen shafraf, prof mohan singh , nand lal noorpuri etc.

CO3: Student will be able to enhance their knowledge about different poet and their approach towards poet named amrita pritam, Dr harbhajan singh and shiv kumar batalwi and surjit patar

CO4: students will be able to enhance their writing ability through practice of essay writing and spelling bee also .

BA/BSC ECO

4th SEMESTER

Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “Meri Jeevan Gatha ” will be followed. The book is the autobiography of Dr. Dewaan singh. The life story of person written by Dewaan Singh. The

purpose may to be highlight an event or person in a way to help the public learn a lesson, feel inspired, or to realize that they are not alone in their circumstance. AutoBiographies are also a way to share history.

CO2: During the course the book named “Fasley” . It illustrates the differences and distances in the society based on caste, creed, class etc.

CO3: Writing skills as easy writings and News Paper Advertisement will help students to improve their usage of Punjabi language. Group discussion is also encouraged on general topic in classroom which helps them to enhance their point of view. These kinds of practices definitely help them in practical life.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about regional language, Punjabi as official language, technical language, different dialects across the state and its usage and importance. The part of the course also talks of Punjabi language and its development.

BA , Bsc eco

5th semester

Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named ” chonwi Punjabi kahani” will be followed. The stories basically deals with Social, Religious, Economic and Cultural aspects . most of the stories showcase the contemporary problems of our society. For this we can see new year, Eklavya, rahu ketu etc.

CO2: During the course the novel named “eho hamara jeewana” will be followed. Famous novelist of punjabi literature Dalip Kaur tiwana present faminist point of through this novel. she talks about our federal system where women fail to find her own existence.

CO3: Writing skills as paragraph writings and translation taught to students In order to improve their usage of Punjabi language. Group discussion is also encouraged on general topic in classroom which helps them to enhance their point of view. These kinds of practices definitely help them in practical life.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about regional language, Punjabi as official language, technical language, different dialects across the state and its usage and importance. The part of the course also talks of Punjabi language and its development.

BA Bsc eco

6th semester

Compulsory Punjabi

Program specific outcomes

PSO1: Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state.

PSO2: Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc

PSO3: The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “Dhartian de geet” will be followed. This book actually a showcase of of Baljinder Singh hamadard’s point of view towards Asia and the people of tribes living in andaman and nekobaar. Baljinder singh represents culture and socio economic lifestyle of Tribes and people of japan,malesia etc.

CO2: During the course the book named “kav gourav” will be followed. this book actually a variation of mediaeval and modren poetry. Through this book where students come to know about mediaeval approach towards the different things ,they will also get the knowledge about modernization, self existence ect.

CO3: Student will be able to enhance their writing ability through practice of essay writing. these kind of practices help them in their practical life also . Different form of literature will be taught.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about structure of vakansh and it’s types.

B design

Course name: Basic punjabi

1st semester

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about the rich heritage, culture of Punjab especially their mother tongue "Punjabi" being residents of Punjab. This course provides a platform to the students from where they can enhance their capacity to communicate and interact effectively with across languages and culture.

Course outcomes

CO1:This study program will enhance the knowledge of Punjabi language. They will come to know about the origin of Punjab and Punjabi language. The use of Punjabi script Gurumukhi is mandatory. Students learn about reasonable writing formation, shape and proportion.

CO2:Through Grammar skills, students would be able to learn technical aspects of Punjabi language and it's structure especially in communication and writing skills .Correct punctuation and accurate spacing techniques help them to learn accurate writing pattern.

CO3:Students will learn about different work mode and their work tools especially in societies of Punjab. They can use this information in their business and work area while communicating with audiences.

CO4:Students will learn about different relationships in Punjabi region and they will also learn the vocabulary of daily life like counting, name of months , name of seasons, name of days This information surely helps them in communicating with local people .

B design

1ST SEMESTER

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “Sarvotam punjabi sahit” will be followed. The book has been divided into four parts i.e. stories ,poetry, rekha Chitra, nibandh from which only stories and poetry will be taught in the first semester. The stories basically deals with Social, Religious, Economic and Cultural aspects . . The poetry section of the book introduces the students to renowned authors of Punjab as – Bhai veer singh, dhani ram chatrick, shiv kumar batalvi, surjit patar, amrita preetam and many more. Bhai Veer Singh whose work talks of nature. Another poet is Shiv Kumar Batalvi whose poetry talks of love and the pain of separation etc.

CO2: During the course the book named “Etihask yaddan” (First six essay)) will be followed. This book basically based on historical events like “ 1917 tu pehla ruse” ,“Guru ka Bhagh te Multan”,Saka shri Nankana Sahib” and also describe significant personalities from history .

CO3: Writing skills as paragraph writings and unseen passages are taught to students In order to improve their usage of Punjabi language. Group discussion is also encouraged on general topic in classroom which helps them to enhance their point of view. These kinds of practices definitely help them in practical life.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about regional language, Punjabi as official language, technical language, different dialects across the state and its usage and importance. The part of the course also talks of Punjabi language and its development.

B design

Course name: Basic punjabi

Sem 2

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about their rich heritage, culture especially their mother tongue "Punjabi" being a residence of Punjabi.This course

provides a platform to the students where they can enhance their capacity to communicate and interact effectively across languages and culture.

Course outcomes

CO1:Students will be able to enhance their writing skills by learning the different parameters of Grammar like Noun, Pronoun, Verb, Adverb, Adjective etc. Through practice they can make their writing and speaking skills more effective.

CO2:Students will be able to learn the formation of sentences, types and their use in daily life. Surely it will help them in to make their reading, speaking, listening and writing skills more powerful.

CO3:Students will be able to express their own ideas, information, imagination and their own perspective through paragraph writing. Precis writing provides training in careful reading and it's also useful to develop one's capacity to discriminate between essential or non-essential information.

CO4:Students will be able to enhance their writing ability through practice of letter writing. These kinds of practices differently help them in practical life. With the use of phrases, idioms and proverbs they will be able to make their speaking and writing skills more effective.

B design

2ND Semester

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc. The students who

will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “Sarvotam punjabi sahit” will be followed. The book has been divided into four parts i.e. stories, poetry, nibhandh and Rekha Chitar from which only nibandh and rekhay chitar will be taught in the second semester. In this section student will be introduced to renowned Punjabi poets, novelist and historical personalities like bhai mardana ji. Which basically enhance and teach them about society, human life, teachings, love towards country, emotions and importance of God.

CO2: During the course the book named “Etihasik yaddan” (Last six essays) will be followed. This book is basically based on historical events like “11 November, 1918”, “Afghanistan de lok” and also describes significant personalities from history.

CO3: Student will be able to enhance their writing ability through practice of letter writing. These kinds of practices definitely help them in practical life. Idioms and proverbs will be taught to students which can improve their speaking and writing skills.

CO4: The fourth part of the course deals with the grammatical part of the language where students learn about word structure/Formation and parts of speech e.g. Noun, Pronoun, verb, Adjective, Adverb, Preposition, Conjunction and Interjection.

Course name: Basic punjabi

B design Multimedia

1st semester

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about the rich heritage, culture of Punjab especially their mother tongue "Punjabi" being residents of Punjab. This course provides a platform to the students from where they can enhance their capacity to communicate and interact effectively with across languages and culture.

Course outcomes

CO1:This study program will enhance the knowledge of Punjabi language. They will come to know about the origin of Punjab and Punjabi language. The use of Punjabi script Gurumukhi is mandatory. Students learn about reasonable writing formation, shape and proportion.

CO2:Through Grammar skills, students would be able to learn technical aspects of Punjabi language and it's structure especially in communication and writing skills .Correct punctuation and accurate spacing techniques help them to learn accurate writing pattern.

CO3:Students will learn about different work mode and their work tools especially in societies of Punjab. They can use this information in their business and work area while communicating with audiences.

CO4:Students will learn about different relationships in Punjabi region and they will also learn the vocabulary of daily life like counting, name of months , name of seasons, name of days This information surely helps them in communicating with local people .

B design Multimedia

1ST SEMESTER

SUBJECT: COMPULSORY PUNJABI

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “Sarvotam punjabi sahit” will be followed. The book has been divided into four parts i.e. stories, poetry, rekha Chitra, nibandh from which only stories and poetry will be taught in the first semester. The stories basically deal with Social, Religious, Economic and Cultural aspects . . The poetry section of the book introduces the students to renowned authors of Punjab as – Bhai veer singh, dhani ram chatrick, shiv kumar batalvi, surjit patar, amrita preetam and many more. Bhai Veer Singh whose work talks of nature. Another poet is Shiv Kumar Batalvi whose poetry talks of love and the pain of separation etc.

CO2: During the course the book named “Etihadik yaddan” (First six essays) will be followed. This book is basically based on historical events like “ 1917 tu pehla ruse” ,“Guru ka Bhagh te Multan”,Saka shri Nankana Sahib” and also describes significant personalities from history .

CO3: Writing skills as paragraph writings and unseen passages are taught to students In order to improve their usage of Punjabi language. Group discussion is also encouraged on general topics in classroom which helps them to enhance their point of view. These kinds of practices definitely help them in practical life.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about regional language, Punjabi as official language, technical language, different dialects across the state and its usage and importance. The part of the course also talks of Punjabi language and its development.

Course name: Basic punjabi

B design Multimedia

Sem 2

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about their rich heritage, culture especially their mother tongue "Punjabi" being a residence of Punjabi. This course

provides a platform to the students where they can enhance their capacity to communicate and interact effectively across languages and culture.

Course outcomes

CO1:Students will be able to enhance their writing skills by learning the different parameters of Grammar like Noun, Pronoun, Verb, Adverb, Adjective etc. Through practice they can make their writing and speaking skills more effective.

CO2:Students will be able to learn the formation of sentences, types and their use in daily life. Surely it will help them in to make their reading, speaking, listening and writing skills more powerful.

CO3:Students will be able to express their own ideas, information, imagination and their own perspective through paragraph writing. Precis writing provides training in careful reading and it is also useful to develop one's capacity to discriminate between essential or non-essential information.

CO4:Students will be able to enhance their writing ability through practice of letter writing. These kinds of practices differently help them in practical life. With the use of phrases, idioms and proverbs they will be able to make their speaking and writing skills more effective.

B design Multimedia

2nd Semester

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc. The students who

will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “Sarvotam punjabi sahit” will be followed. The book has been divided into four parts i.e. stories, poetry, nibhandh and Rekha Chitar from which only nibandh and rekhay chitar will be taught in the second semester. . In this section student will be introduced to renowned Punjabi poets, novelist and historical personalities like bhai mardana ji .Which basically enhance and teach them about society, human life, teachings, love towards country, emotions and importance of God.

CO2: During the course the book named “Etihasik yaddan” (Last six essays) will be followed. . This book basically based on historical events like “ 11 November,1918” ,“Afghanistan de lok” and also describe significant personalities from history .

CO3: Student will be able to enhance their writing ability through practice of letter writing. These kinds of practices definitely help them in practical life. Idioms and proverbs will be taught to students which can be improve their speaking and writing skills.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about word structure/Formation and parts of speech e.g.Noun, Pronoun, verb, Adjective, Adverb, Preposition, Conjunction and Interjection.

Course name: Basic punjabi

B voc Beauty & wellness

1st semester

Program Specific Outcomes

Main objective of this course is to enhance the knowledge of students about the rich heritage, culture of Punjab especially their mother tongue "Punjabi" being residents of Punjab. This course provides a platform to the students from where they can enhance their capacity to communicate and interact effectively with across languages and culture.

Course outcomes

CO1:This study program will enhance the knowledge of Punjabi language. They will come to know about the origin of Punjab and Punjabi language. The use of Punjabi script Gurumukhi is mandatory. Students learn about reasonable writing formation, shape and proportion.

CO2:Through Grammar skills, students would be able to learn technical aspects of Punjabi language and its structure especially in communication and writing skills. Correct punctuation and accurate spacing techniques help them to learn accurate writing pattern.

CO3:Students will learn about different work mode and their work tools especially in societies of Punjab. They can use this information in their business and work area while communicating with audiences.

CO4:Students will learn about different relationships in Punjabi region and they will also learn the vocabulary of daily life like counting, name of months, name of seasons, name of days. This information surely helps them in communicating with local people.

B voc Beauty & wellness

1ST SEMESTER

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc. The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “Sarvotam punjabi sahit” will be followed. The book has been divided into four parts i.e. stories ,poetry, rekha Chitra, nibandh from which only stories and poetry will be taught in the first semester. The stories basically deals with Social, Religious, Economic and Cultural aspects . . The poetry section of the book introduces the students to renowned authors of Punjab as – Bhai veer singh, dhani ram chatrick, shiv kumar batalvi, surjit patar, amrita preetam and many more. Bhai Veer Singh whose work talks of nature. Another poet is Shiv Kumar Batalvi whose poetry talks of love and the pain of separation etc.

CO2: During the course the book named “Etihadik yaddan” (First six essay)) will be followed. This book basically based on historical events like “ 1917 tu pehla ruse” ,“Guru ka Bhagh te Multan”,Saka shri Nankana Sahib” and also describe significant personalities from history .

CO3: Writing skills as paragraph writings and unseen passages are taught to students In order to improve their usage of Punjabi language. Group discussion is also encouraged on general topic in classroom which helps them to enhance their point of view. These kinds of practices definitely help them in practical life.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about regional language, Punjabi as official language, technical language, different dialects across the state and its usage and importance. The part of the course also talks of Punjabi language and its development.

Course name: Basic punjabi

B voc Beauty & wellness

Sem 2

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about their rich heritage, culture especially their mother tongue "Punjabi" being a residence of Punjabi.This course

provides a platform to the students where they can enhance their capacity to communicate and interact effectively across languages and culture.

Course outcomes

CO1:Students will be able to enhance their writing skills by learning the different parameters of Grammar like Noun, Pronoun, Verb, Adverb, Adjective etc. Through practice they can make their writing and speaking skills more effective.

CO2:Students will be able to learn the formation of sentences, types and their use in daily life. Surely it will help them in to make their reading, speaking, listening and writing skills more powerful.

CO3:Students will be able to express their own ideas, information, imagination and their own perspective through paragraph writing. Precis writing provides training in careful reading and it's also useful to develop one's capacity to discriminate between essential or non-essential information.

CO4:Students will be able to enhance their writing ability through practice of letter writing. These kinds of practices differently help them in practical life. With the use of phrases, idioms and proverbs they will be able to make their speaking and writing skills more effective.

B voc Beauty & wellness

2ndSemester

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc. The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “Sarvotam punjabi sahit” will be followed. The book has been divided into four parts i.e. stories , poetry, nibhandh and Rekha Chitar from which only nibandh and rekhay chitar will be taught in the second semester. . In this section student will be introduce to renowned Punjabi poets, novelist and historical personalities like bhai mardana ji .Which basically enhance and teach them about society, human life, teachings, love towards country, emotions and importance of God.

CO2: During the course the book named “Etihasik yaddan” (Last six essays) will be followed. . This book basically based on historical events like “ 11 November,1918” ,“Afghanistan de lok” and also describe significant personalities from history .

CO3: Student will be able to enhance their writing ability through practice of letter writing. These kinds of practices definitely help them in practical life. Idioms and proverbs will be taught to students which can be improve their speaking and writing skills.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about word structure/Formation and parts of speech e.g.Noun, Pronoun, verb, Adjective, Adverb, Preposition, Conjunction and Interjection.

Course name: Basic punjabi

B Voc Contemporary Forms of dance

1st semester

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about the rich heritage, culture of Punjab especially their mother tongue "Punjabi" being residents of Punjab.This course provides a platform to the students from where they can enhance their capacity to communicate and interact effectively with across languages and culture.

Course outcomes

CO1:This study program will enhance the knowledge of Punjabi language. They will come to know about the origin of Punjab and Punjabi language. The use of Punjabi script Gurumukhi is mandatory. Students learn about reasonable writing formation, shape and proportion.

CO2:Through Grammar skills, students would be able to learn technical aspects of Punjabi language and it's structure especially in communication and writing skills .Correct punctuation and accurate spacing techniques help them to learn accurate writing pattern.

CO3:Students will learn about different work mode and their work tools especially in societies of Punjab. They can use this information in their business and work area while communicating with audiences.

CO4:Students will learn about different relationships in Punjabi region and they will also learn the vocabulary of daily life like counting, name of months , name of seasons, name of days This information surely helps them in communicating with local people .

B Voc Contemporary Forms of dance

1ST Semester

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “Sarvotam punjabi sahit” will be followed. The book has been divided into four parts i.e. stories ,poetry, rekha Chitra, nibandh from which only stories and poetry will be taught in the first semester. The stories basically deals with Social, Religious, Economic and Cultural aspects . . The poetry section of the book introduces the students to renowned authors of Punjab as – Bhai veer singh, dhani ram chatrick, shiv kumar batalvi, surjit patar, amrita preetam and many more. Bhai Veer Singh whose work talks of nature. Another poet is Shiv Kumar Batalvi whose poetry talks of love and the pain of separation etc.

CO2: During the course the book named “Etihask yaddan” (First six essay)) will be followed. This book basically based on historical events like “ 1917 tu pehla ruse” ,“Guru ka Bhagh te Multan”,Saka shri Nankana Sahib” and also describe significant personalities from history .

CO3: Writing skills as paragraph writings and unseen passages are taught to students In order to improve their usage of Punjabi language. Group discussion is also encouraged on general topic in classroom which helps them to enhance their point of view. These kinds of practices definitely help them in practical life.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about regional language, Punjabi as official language, technical language, different dialects across the state and its usage and importance. The part of the course also talks of Punjabi language and its development.

Course name: Basic punjabi

B Voc Contemporary Forms of dance

Sem 2

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about their rich heritage, culture especially their mother tongue "Punjabi" being a residence of Punjabi.This course

provides a platform to the students where they can enhance their capacity to communicate and interact effectively across languages and culture.

Course outcomes

CO1:Students will be able to enhance their writing skills by learning the different parameters of Grammar like Noun, Pronoun, Verb, Adverb, Adjective etc. Through practice they can make their writing and speaking skills more effective.

CO2:Students will be able to learn the formation of sentences, types and their use in daily life. Surely it will help them in to make their reading, speaking, listening and writing skills more powerful.

CO3:Students will be able to express their own ideas, information, imagination and their own perspective through paragraph writing. Precis writing provides training in careful reading and it's also useful to develop one's capacity to discriminate between essential or non-essential information.

CO4:Students will be able to enhance their writing ability through practice of letter writing. These kinds of practices differently help them in practical life. With the use of phrases, idioms and proverbs they will be able to make their speaking and writing skills more effective.

B Voc Contemporary Forms of dance

2ndSemester

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc. The students who

will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “Sarvotam punjabi sahit” will be followed. The book has been divided into four parts i.e. stories, poetry, nibhandh and Rekha Chitar from which only nibandh and rekhay chitar will be taught in the second semester. . In this section student will be introduced to renowned Punjabi poets, novelist and historical personalities like bhai mardana ji .Which basically enhance and teach them about society, human life, teachings, love towards country, emotions and importance of God.

CO2: During the course the book named “Etihasik yaddan” (Last six essays) will be followed. . This book basically based on historical events like “ 11 November,1918” ,“Afghanistan de lok” and also describe significant personalities from history .

CO3: Student will be able to enhance their writing ability through practice of letter writing. These kinds of practices definitely help them in practical life. Idioms and proverbs will be taught to students which can be improve their speaking and writing skills.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about word structure/Formation and parts of speech e.g.Noun, Pronoun, verb, Adjective, Adverb, Preposition, Conjunction and Interjection.

Course name: Basic punjabi

B voc DATA Sci

1st semester

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about the rich heritage, culture of Punjab especially their mother tongue "Punjabi" being residents of Punjab.This course

provides a platform to the students from where they can enhance their capacity to communicate and interact effectively with across languages and culture.

Course outcomes

CO1:This study program will enhance the knowledge of Punjabi language. They will come to know about the origin of Punjab and Punjabi language. The use of Punjabi script Gurumukhi is mandatory. Students learn about reasonable writing formation, shape and proportion.

CO2:Through Grammar skills, students would be able to learn technical aspects of Punjabi language and it's structure especially in communication and writing skills .Correct punctuation and accurate spacing techniques help them to learn accurate writing pattern.

CO3:Students will learn about different work mode and their work tools especially in societies of Punjab. They can use this information in their business and work area while communicating with audiences.

CO4:Students will learn about different relationships in Punjabi region and they will also learn the vocabulary of daily life like counting, name of months , name of seasons, name of days This information surely helps them in communicating with local people .

B voc DATA Sci

1ST Semester

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “Sarvotam punjabi sahit” will be followed. The book has been divided into four parts i.e. stories, poetry, rekha Chitra, nibandh from which only stories and poetry will be taught in the first semester. The stories basically deal with Social, Religious, Economic and Cultural aspects. . The poetry section of the book introduces the students to renowned authors of Punjab as – Bhai veer singh, dhani ram chatrck, shiv kumar batalvi, surjit patar, amrita preetam and many more. Bhai Veer Singh whose work talks of nature. Another poet is Shiv Kumar Batalvi whose poetry talks of love and the pain of separation etc.

CO2: During the course the book named “Etihadik yaddan” (First six essays) will be followed. This book is basically based on historical events like “1917 tu pehla ruse”, “Guru ka Bhagh te Multan”, “Saka shri Nankana Sahib” and also describes significant personalities from history.

CO3: Writing skills as paragraph writings and unseen passages are taught to students in order to improve their usage of Punjabi language. Group discussion is also encouraged on general topics in classroom which helps them to enhance their point of view. These kinds of practices definitely help them in practical life.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about regional language, Punjabi as official language, technical language, different dialects across the state and its usage and importance. The part of the course also talks of Punjabi language and its development.

Course name: Basic punjabi

B voc DATA Sci

Sem 2

Program specific outcomes

. Main objective of this course is to enhance the knowledge of students about their rich heritage, culture especially their mother tongue "Punjabi" being a residence of Punjabi. This course provides a platform to the students where they can enhance their capacity to communicate and interact effectively across languages and culture.

Course outcomes

CO1:Students will be able to enhance their writing skills by learning the different parameters of Grammar like Noun, Pronoun, Verb, Adverb, Adjective etc. Through practice they can make their writing and speaking skills more effective.

CO2:Students will be able to learn the formation of sentences, types and their use in daily life. Surely it will help them in to make their reading, speaking, listening and writing skills more powerful.

CO3:Students will be able to express their own ideas, information, imagination and their own perspective through paragraph writing. Precis writing provides training in careful reading and it's also useful to develop one's capacity to discriminate between essential or non-essential information.

CO4:Students will be able to enhance their writing ability through practice of letter writing. These kinds of practices differently help them in practical life. With the use of phrases, idioms and proverbs they will be able to make their speaking and writing skills more effective.

BVoc Data science

2ndSemester

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc. The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named "Sarvotam punjabi sahit" will be followed. The book has been divided into four parts i.e. stories, poetry, nibhandh and Rekha Chitar from which only

nibandh and rekhay chitar will be taught in the second semester. . In this section student will be introduce to renowned Punjabi poets, novelist and historical personalities like bhai mardana ji .Which basically enhance and teach them about society, human life, teachings, love towards country, emotions and importance of God.

CO2: During the course the book named “Etihasik yaddan” (Last six essays) will be followed. . This book basically based on historical events like “ 11 November,1918” ,“Afghanistan de lok” and also describe significant personalities from history .

CO3: Student will be able to enhance their writing ability through practice of letter writing. These kinds of practices definitely help them in practical life. Idioms and proverbs will be taught to students which can be improve their speaking and writing skills.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about word structure/Formation and parts of speech e.g.Noun, Pronoun, verb, Adjective, Adverb, Preposition, Conjunction and Interjection.

Course name: Basic punjabi

B voc E-commerce& Digital Marketing

1st semester

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about the rich heritage, culture of Punjab especially their mother tongue "Punjabi" being residents of Punjab.This course provides a platform to the students from where they can enhance their capacity to communicate and interact effectively with across languages and culture.

Course outcomes

CO1:This study program will enhance the knowledge of Punjabi language. They will come to know about the origin of Punjab and Punjabi language. The use of Punjabi script Gurumukhi is mandatory. Students learn about reasonable writing formation, shape and proportion.

CO2:Through Grammar skills, students would be able to learn technical aspects of Punjabi language and its structure especially in communication and writing skills .Correct punctuation and accurate spacing techniques help them to learn accurate writing pattern.

CO3:Students will learn about different work mode and their work tools especially in societies of Punjab. They can use this information in their business and work area while communicating with audiences.

CO4:Students will learn about different relationships in Punjabi region and they will also learn the vocabulary of daily life like counting, name of months , name of seasons, name of days This information surely helps them in communicating with local people .

BVoc E commerce& Digital Marketing

1STSemester

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “Sarvotam punjabi sahit” will be followed. The book has been divided into four parts i.e. stories ,poetry, rekha Chitra, nibandh from which only stories and poetry will be taught in the first semester. The stories basically deals with Social, Religious, Economic and Cultural aspects . . The poetry section of the book introduces the students to renowned authors of Punjab as – Bhai veer singh, dhani ram chatrick, shiv kumar batalvi, surjit patar, amrita preetam and many more. Bhai Veer Singh whose work talks of

nature. Another poet is Shiv Kumar Batalvi whose poetry talks of love and the pain of separation etc.

CO2: During the course the book named “Etihāsik yaddan” (First six essay)) will be followed. This book basically based on historical events like “ 1917 tu pehla ruse” ,“Guru ka Bhagh te Multan”,Saka shri Nankana Sahib” and also describe significant personalities from history .

CO3: Writing skills as paragraph writings and unseen passages are taught to students In order to improve their usage of Punjabi language. Group discussion is also encouraged on general topic in classroom which helps them to enhance their point of view. These kinds of practices definitely help them in practical life.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about regional language, Punjabi as official language, technical language, different dialects across the state and its usage and importance. The part of the course also talks of Punjabi language and its development.

Course name: Basic punjabi

BVoc E commerce& Digital Marketing

Sem 2

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about their rich heritage, culture especially their mother tongue "Punjabi" being a residence of Punjabi. This course provides a platform to the students where they can enhance their capacity to communicate and interact effectively across languages and culture.

Course outcomes

CO1:Students will able to enhance their writing skills by learning the different parameters of Grammar like Noun, Pronoun, Verb, Adverb, Adjective etc. Through practice they can make their writing and speaking skills more affective.

CO2:Students will be able to learn the formation of sentences, types and their use in daily life. Surely it will help them in to make their reading, speaking, listening and writing skills more powerful.

CO3:Students will be able to express their own ideas, information, imagination and their own perspective through paragraph writing. Precis writing provides training in careful reading and it is also useful to develop one's capacity to discriminate between essential or non-essential information.

CO4:Students will be able to enhance their writing ability through practice of letter writing .These kinds of practices differently help them in practical life .With the use of phrases, idioms and proverbs they will be able to make their speaking and writing skills more effective.

BVoc E commerce& Digital Marketing

2ndSemester

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc. The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named "Sarvotam punjabi sahit" will be followed. The book has been divided into four parts i.e. stories, poetry, nibhandh and Rekha Chitar from which only nibandh and rekhay chitar will be taught in the second semester. . In this section student will be introduced to renowned Punjabi poets, novelist and historical personalities like bhai mardana ji .Which basically enhance and teach them about society, human life, teachings, love towards country, emotions and importance of God.

CO2: During the course the book named “Etihāsik yaddan” (Last six essays) will be followed. . This book basically based on historical events like “ 11 November,1918” ,“Afghanistan de lok” and also describe significant personalities from history .

CO3: Student will be able to enhance their writing ability through practice of letter writing. These kinds of practices definitely help them in practical life. Idioms and proverbs will be taught to students which can be improve their speaking and writing skills.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about word structure/Formation and parts of speech e.g.Noun, Pronoun, verb, Adjective, Adverb, Preposition, Conjunction and Interjection.

Course name: Basic punjabi

B voc Health care & management

1st semester

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about the rich heritage, culture of Punjab especially their mother tongue "Punjabi" being residents of Punjab.This course provides a platform to the students from where they can enhance their capacity to communicate and interact effectively with across languages and culture.

Course outcomes

CO1:This study program will enhance the knowledge of Punjabi language. They will come to know about the origin of Punjab and Punjabi language. The use of Punjabi script Gurmukhi is mandatory. Students learn about reasonable writing formation, shape and proportion.

CO2:Through Grammar skills, students would be able to learn technical aspects of Punjabi language and it's structure especially in communication and writing skills .Correct punctuation and accurate spacing techniques help them to learn accurate writing pattern.

CO3:Students will learn about different work mode and their work tools especially in societies of Punjab. They can use this information in their business and work area while communicating with audiences.

CO4:Students will learn about different relationships in Punjabi region and they will also learn the vocabulary of daily life like counting, name of months , name of seasons, name of days This information surely helps them in communicating with local people .

B voc Health care & management

1st Semester

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “Sarvotam punjabi sahit” will be followed. The book has been divided into four parts i.e. stories ,poetry, rekha Chitra, nibandh from which only stories and poetry will be taught in the first semester. The stories basically deals with Social, Religious, Economic and Cultural aspects . . The poetry section of the book introduces the students to renowned authors of Punjab as – Bhai veer singh, dhani ram chatrick, shiv kumar batalvi, surjit patar, amrita preetam and many more. Bhai Veer Singh whose work talks of nature. Another poet is Shiv Kumar Batalvi whose poetry talks of love and the pain of separation etc.

CO2: During the course the book named “Etihask yaddan” (First six essay)) will be followed. This book basically based on historical events like “ 1917 tu pehla ruse” ,“Guru ka Bhagh te Multan”,Saka shri Nankana Sahib” and also describe significant personalities from history .

CO3: Writing skills as paragraph writings and unseen passages are taught to students In order to improve their usage of Punjabi language. Group discussion is also encouraged on general topic

in classroom which helps them to enhance their point of view. These kinds of practices definitely help them in practical life.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about regional language, Punjabi as official language, technical language, different dialects across the state and its usage and importance. The part of the course also talks of Punjabi language and its development.

Course name: Basic punjabi

B voc Health care & management

2nd semester

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about their rich heritage, culture especially their mother tongue "Punjabi" being a residence of Punjabi. This course provides a platform to the students where they can enhance their capacity to communicate and interact effectively across languages and culture.

Course outcomes

CO1: Students will be able to enhance their writing skills by learning the different parameters of Grammar like Noun, Pronoun, Verb, Adverb, Adjective etc. Through practice they can make their writing and speaking skills more effective.

CO2: Students will be able to learn the formation of sentences, types and their use in daily life. Surely it will help them in to make their reading, speaking, listening and writing skills more powerful.

CO3: Students will be able to express their own ideas, information, imagination and their own perspective through paragraph writing. Precis writing provides training in careful reading and it is also useful to develop one's capacity to discriminate between essential or non-essential information.

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B voc Health care & management

2nd Semester

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc. The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “Sarvotam punjabi sahit” will be followed. The book has been divided into four parts i.e. stories, poetry, nibhandh and Rekha Chitar from which only nibandh and rekhay chitar will be taught in the second semester. . In this section student will be introduced to renowned Punjabi poets, novelist and historical personalities like bhai mardana ji . Which basically enhance and teach them about society, human life, teachings, love towards country, emotions and importance of God.

CO2: During the course the book named “Etihasik yaddan” (Last six essays) will be followed. . This book is basically based on historical events like “ 11 November, 1918” , “Afghanistan de lok” and also describes significant personalities from history .

CO3: Student will be able to enhance their writing ability through practice of letter writing. These kinds of practices definitely help them in practical life. Idioms and proverbs will be taught to students which can improve their speaking and writing skills.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about word structure/Formation and parts of speech e.g. Noun, Pronoun, verb, Adjective, Adverb, Preposition, Conjunction and Interjection.

Course name: Basic punjabi

B voc Product design Management and entrepreneurship

1st semester

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about the rich heritage, culture of Punjab especially their mother tongue "Punjabi" being residents of Punjab. This course provides a platform to the students from where they can enhance their capacity to communicate and interact effectively with across languages and culture.

Course outcomes

CO1: This study program will enhance the knowledge of Punjabi language. They will come to know about the origin of Punjab and Punjabi language. The use of Punjabi script Gurumukhi is mandatory. Students learn about reasonable writing formation, shape and proportion.

CO2: Through Grammar skills, students would be able to learn technical aspects of Punjabi language and its structure especially in communication and writing skills. Correct punctuation and accurate spacing techniques help them to learn accurate writing pattern.

CO3: Students will learn about different work mode and their work tools especially in societies of Punjab. They can use this information in their business and work area while communicating with audiences.

CO4: Students will learn about different relationships in Punjabi region and they will also learn the vocabulary of daily life like counting, name of months, name of seasons, name of days. This information surely helps them in communicating with local people.

B voc Product design Management and entrepreneurship

1st Semester

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

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CO1: During the course, the book named “Sarvotam punjabi sahit” will be followed. The book has been divided into four parts i.e. stories ,poetry, rekha Chitra, nibandh from which only stories and poetry will be taught in the first semester. The stories basically deals with Social, Religious, Economic and Cultural aspects . . The poetry section of the book introduces the students to renowned authors of Punjab as – Bhai veer singh, dhani ram chatrick, shiv kumar batalvi, surjit patar, amrita preetam and many more. Bhai Veer Singh whose work talks of nature. Another poet is Shiv Kumar Batalvi whose poetry talks of love and the pain of separation etc.

CO2: During the course the book named “Etihasik yaddan” (First six essay)) will be followed. This book basically based on historical events like “ 1917 tu pehla ruse” ,“Guru ka Bhagh te Multan”,Saka shri Nankana Sahib” and also describe significant personalities from history .

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CO4: The fourth part of the course deals with grammatical part of the language where students learn about regional language, Punjabi as official language, technical language, different dialects

across the state and its usage and importance. The part of the course also talks of Punjabi language and its development.

Course name: Basic punjabi

B voc Product design Management and entrepreneurship

2nd semester

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about their rich heritage, culture especially their mother tongue "Punjabi" being a residence of Punjabi. This course provides a platform to the students where they can enhance their capacity to communicate and interact effectively across languages and culture.

Course outcomes

CO1:Students will be able to enhance their writing skills by learning the different parameters of Grammar like Noun, Pronoun, Verb, Adverb, Adjective etc. Through practice they can make their writing and speaking skills more effective.

CO2:Students will be able to learn the formation of sentences, types and their use in daily life. Surely it will help them in to make their reading, speaking, listening and writing skills more powerful.

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B voc Product design Management and entrepreneurship

2ndSemester

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc. The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

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CO4: The fourth part of the course deals with grammatical part of the language where students learn about word structure/Formation and parts of speech e.g.Noun, Pronoun, verb, Adjective, Adverb, Preposition, Conjunction and Interjection.

Course name: Basic punjabi

B voc Sound Technology

1st semester

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about the rich heritage, culture of Punjab especially their mother tongue "Punjabi" being residents of Punjab.This course provides a platform to the students from where they can enhance their capacity to communicate and interact effectively with across languages and culture.

Course outcomes

CO1:This study program will enhance the knowledge of Punjabi language. They will come to know about the origin of Punjab and Punjabi language. The use of Punjabi script Gurumukhi is mandatory. Students learn about reasonable writing formation, shape and proportion.

CO2:Through Grammar skills, students would be able to learn technical aspects of Punjabi language and it's structure especially in communication and writing skills .Correct punctuation and accurate spacing techniques help them to learn accurate writing pattern.

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CO4:Students will learn about different relationships in Punjabi region and they will also learn the vocabulary of daily life like counting, name of months , name of seasons, name of days This information surely helps them in communicating with local people .

B voc Sound Technology

1STSemester

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

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CO2: During the course the book named “Etihadik yaddan” (First six essay)) will be followed. This book basically based on historical events like “ 1917 tu pehla ruse” ,“Guru ka Bhagh te Multan”,Saka shri Nankana Sahib” and also describe significant personalities from history .

CO3: Writing skills as paragraph writings and unseen passages are taught to students In order to improve their usage of Punjabi language. Group discussion is also encouraged on general topic in classroom which helps them to enhance their point of view. These kinds of practices definitely help them in practical life.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about regional language, Punjabi as official language, technical language, different dialects across the state and its usage and importance. The part of the course also talks of Punjabi language and its development.

Course name: Basic punjabi

B voc Sound Technology

2nd semester

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about their rich heritage, culture especially their mother tongue "Punjabi" being a residence of Punjabi. This course provides a platform to the students where they can enhance their capacity to communicate and interact effectively across languages and culture.

Course outcomes

CO1: Students will be able to enhance their writing skills by learning the different parameters of Grammar like Noun, Pronoun, Verb, Adverb, Adjective etc. Through practice they can make their writing and speaking skills more effective.

CO2: Students will be able to learn the formation of sentences, types and their use in daily life. Surely it will help them in to make their reading, speaking, listening and writing skills more powerful.

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CO4: Students will be able to enhance their writing ability through practice of letter writing. These kinds of practices differently help them in practical life. With the use of phrases, idioms and proverbs they will be able to make their speaking and writing skills more effective.

B voc Sound Technology

2nd Semester

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc. The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

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CO2: During the course the book named “Etihasik yaddan” (Last six essays) will be followed. . This book is basically based on historical events like “ 11 November, 1918” , “Afghanistan de lok” and also describes significant personalities from history .

CO3: Student will be able to enhance their writing ability through practice of letter writing. These kinds of practices definitely help them in practical life. Idioms and proverbs will be taught to students which can improve their speaking and writing skills.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about word structure/Formation and parts of speech e.g. Noun, Pronoun, verb, Adjective, Adverb, Preposition, Conjunction and Interjection.

Course name: Basic punjabi

B voc Theatre & stage craft

1st semester

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about the rich heritage, culture of Punjab especially their mother tongue "Punjabi" being residents of Punjab. This course provides a platform to the students from where they can enhance their capacity to communicate and interact effectively with across languages and culture.

Course outcomes

CO1: This study program will enhance the knowledge of Punjabi language. They will come to know about the origin of Punjab and Punjabi language. The use of Punjabi script Gurumukhi is mandatory. Students learn about reasonable writing formation, shape and proportion.

CO2: Through Grammar skills, students would be able to learn technical aspects of Punjabi language and its structure especially in communication and writing skills. Correct punctuation and accurate spacing techniques help them to learn accurate writing pattern.

CO3: Students will learn about different work mode and their work tools especially in societies of Punjab. They can use this information in their business and work area while communicating with audiences.

CO4: Students will learn about different relationships in Punjabi region and they will also learn the vocabulary of daily life like counting, name of months, name of seasons, name of days. This information surely helps them in communicating with local people.

B voc Theatre & stage craft

1ST Semester

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects

of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “Sarvotam punjabi sahit” will be followed. The book has been divided into four parts i.e. stories ,poetry, rekha Chitra, nibandh from which only stories and poetry will be taught in the first semester. The stories basically deals with Social, Religious, Economic and Cultural aspects . . The poetry section of the book introduces the students to renowned authors of Punjab as – Bhai veer singh, dhani ram chatrick, shiv kumar batalvi, surjit patar, amrita preetam and many more. Bhai Veer Singh whose work talks of nature. Another poet is Shiv Kumar Batalvi whose poetry talks of love and the pain of separation etc.

CO2: During the course the book named “Etihasik yaddan” (First six essay)) will be followed. This book basically based on historical events like “ 1917 tu pehla ruse” ,“Guru ka Bhagh te Multan”,Saka shri Nankana Sahib” and also describe significant personalities from history .

CO3: Writing skills as paragraph writings and unseen passages are taught to students In order to improve their usage of Punjabi language. Group discussion is also encouraged on general topic in classroom which helps them to enhance their point of view. These kinds of practices definitely help them in practical life.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about regional language, Punjabi as official language, technical language, different dialects across the state and its usage and importance. The part of the course also talks of Punjabi language and its development.

Course name: Basic punjabi

B voc Theatre & stage craft

2nd semester

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about their rich heritage, culture especially their mother tongue "Punjabi" being a residence of Punjabi. This course provides a platform to the students where they can enhance their capacity to communicate and interact effectively across languages and culture.

Course outcomes

CO1:Students will be able to enhance their writing skills by learning the different parameters of Grammar like Noun, Pronoun, Verb, Adverb, Adjective etc. Through practice they can make their writing and speaking skills more effective.

CO2:Students will be able to learn the formation of sentences, types and their use in daily life. Surely it will help them in to make their reading, speaking, listening and writing skills more powerful.

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B voc Theatre & stage craft

2nd Semester

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc. The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “Sarvotam punjabi sahit” will be followed. The book has been divided into four parts i.e. stories, poetry, nibhandh and Rekha Chitar from which only nibandh and rekhay chitar will be taught in the second semester. . In this section student will be introduced to renowned Punjabi poets, novelist and historical personalities like bhai mardana ji . Which basically enhance and teach them about society, human life, teachings, love towards country, emotions and importance of God.

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CO4: The fourth part of the course deals with grammatical part of the language where students learn about word structure/Formation and parts of speech e.g. Noun, Pronoun, verb, Adjective, Adverb, Preposition, Conjunction and Interjection.

Course name: Basic punjabi

BCA

1st semester

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about the rich heritage, culture of Punjab especially their mother tongue "Punjabi" being residents of Punjab. This course provides a platform to the students from where they can enhance their capacity to communicate and interact effectively with across languages and culture.

Course outcomes

CO1: This study program will enhance the knowledge of Punjabi language. They will come to know about the origin of Punjab and Punjabi language. The use of Punjabi script Gurumukhi is mandatory. Students learn about reasonable writing formation, shape and proportion.

CO2: Through Grammar skills, students would be able to learn technical aspects of Punjabi language and its structure especially in communication and writing skills. Correct punctuation and accurate spacing techniques help them to learn accurate writing pattern.

CO3: Students will learn about different work mode and their work tools especially in societies of Punjab. They can use this information in their business and work area while communicating with audiences.

CO4: Students will learn about different relationships in Punjabi region and they will also learn the vocabulary of daily life like counting, name of months, name of seasons, name of days. This information surely helps them in communicating with local people.

BCA

1ST Semester

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects

of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “Sarvotam punjabi sahit” will be followed. The book has been divided into four parts i.e. stories ,poetry, rekha Chitra, nibandh from which only stories and poetry will be taught in the first semester. The stories basically deals with Social, Religious, Economic and Cultural aspects . . The poetry section of the book introduces the students to renowned authors of Punjab as – Bhai veer singh, dhani ram chatrick, shiv kumar batalvi, surjit patar, amrita preetam and many more. Bhai Veer Singh whose work talks of nature. Another poet is Shiv Kumar Batalvi whose poetry talks of love and the pain of separation etc.

CO2: During the course the book named “Etihasik yaddan” (First six essay)) will be followed. This book basically based on historical events like “ 1917 tu pehla ruse” ,“Guru ka Bhagh te Multan”,Saka shri Nankana Sahib” and also describe significant personalities from history .

CO3: Writing skills as paragraph writings and unseen passages are taught to students In order to improve their usage of Punjabi language. Group discussion is also encouraged on general topic in classroom which helps them to enhance their point of view. These kinds of practices definitely help them in practical life.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about regional language, Punjabi as official language, technical language, different dialects across the state and its usage and importance. The part of the course also talks of Punjabi language and its development.

Course name: Basic punjabi

BCA

2nd semester

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about their rich heritage, culture especially their mother tongue "Punjabi" being a residence of Punjabi. This course provides a platform to the students where they can enhance their capacity to communicate and interact effectively across languages and culture.

Course outcomes

CO1:Students will be able to enhance their writing skills by learning the different parameters of Grammar like Noun, Pronoun, Verb, Adverb, Adjective etc. Through practice they can make their writing and speaking skills more effective.

CO2:Students will be able to learn the formation of sentences, types and their use in daily life. Surely it will help them in to make their reading, speaking, listening and writing skills more powerful.

CO3:Students will be able to express their own ideas, information, imagination and their own perspective through paragraph writing. Precis writing provides training in careful reading and it is also useful to develop one's capacity to discriminate between essential or non-essential information.

CO4:Students will be able to enhance their writing ability through practice of letter writing. These kinds of practices differently help them in practical life. With the use of phrases, idioms and proverbs they will be able to make their speaking and writing skills more effective.

BCA

2ndSemester

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc. The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course Outcomes

CO1: During the course, the book named “Sarvotam punjabi sahit” will be followed. The book has been divided into four parts i.e. stories , poetry, nibhandh and Rekha Chitar from which only nibandh and rekhay chitar will be taught in the second semester. . In this section student will be introduce to renowned Punjabi poets, novelist and historical personalities like bhai mardana ji .Which basically enhance and teach them about society, human life, teachings, love towards country, emotions and importance of God.

CO2: During the course the book named “Etihask yaddan” (Last six essays) will be followed. . This book basically based on historical events like “ 11 November,1918” ,“Afghanistan de lok” and also describe significant personalities from history .

CO3: Student will be able to enhance their writing ability through practice of letter writing. These kinds of practices definitely help them in practical life. Idioms and proverbs will be taught to students which can be improve their speaking and writing skills.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about word structure/Formation and parts of speech e.g.Noun, Pronoun, verb, Adjective, Adverb, Preposition, Conjunction and Interjection.

Course name: Basic punjabi

BFA

1st semester

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about the rich heritage, culture of Punjab especially their mother tongue "Punjabi" being residents of Punjab.This course provides a platform to the students from where they can enhance their capacity to communicate and interact effectively with across languages and culture.

Course outcomes

CO1: This study program will enhance the knowledge of Punjabi language. They will come to know about the origin of Punjab and Punjabi language. The use of Punjabi script Gurumukhi is mandatory. Students learn about reasonable writing formation, shape and proportion.

CO2: Through Grammar skills, students would be able to learn technical aspects of Punjabi language and its structure especially in communication and writing skills. Correct punctuation and accurate spacing techniques help them to learn accurate writing pattern.

CO3: Students will learn about different work mode and their work tools especially in societies of Punjab. They can use this information in their business and work area while communicating with audiences.

CO4: Students will learn about different relationships in Punjabi region and they will also learn the vocabulary of daily life like counting, name of months, name of seasons, name of days. This information surely helps them in communicating with local people.

BFA

1ST Semester

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc. The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named "Sarvotam punjabi sahit" will be followed. The book has been divided into four parts i.e. stories, poetry, rekha Chitra, nibandh from which only stories and poetry will be taught in the first semester. The stories basically deal with Social,

Religious, Economic and Cultural aspects . . The poetry section of the book introduces the students to renowned authors of Punjab as – Bhai veer singh, dhani ram chatrick, shiv kumar batalvi, surjit patar, amrita preetam and many more. Bhai Veer Singh whose work talks of nature. Another poet is Shiv Kumar Batalvi whose poetry talks of love and the pain of separation etc.

CO2: During the course the book named “Etihasik yaddan” (First six essay)) will be followed. This book basically based on historical events like “ 1917 tu pehla ruse” ,“Guru ka Bhagh te Multan”,Saka shri Nankana Sahib” and also describe significant personalities from history .

CO3: Writing skills as paragraph writings and unseen passages are taught to students In order to improve their usage of Punjabi language. Group discussion is also encouraged on general topic in classroom which helps them to enhance their point of view. These kinds of practices definitely help them in practical life.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about regional language, Punjabi as official language, technical language, different dialects across the state and its usage and importance. The part of the course also talks of Punjabi language and its development.

Course name: Basic punjabi

BFA

2nd semester

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about their rich heritage, culture especially their mother tongue "Punjabi" being a residence of Punjabi. This course provides a platform to the students where they can enhance their capacity to communicate and interact effectively across languages and culture.

Course outcomes

CO1:Students will be able to enhance their writing skills by learning the different parameters of Grammar like Noun, Pronoun, Verb, Adverb, Adjective etc. Through practice they can make their writing and speaking skills more effective.

CO2:Students will be able to learn the formation of sentences, types and their use in daily life. Surely it will help them in to make their reading, speaking, listening and writing skills more powerful.

CO3:Students will be able to express their own ideas, information, imagination and their own perspective through paragraph writing. Precis writing provides training in careful reading and it is also useful to develop one's capacity to discriminate between essential or non-essential information.

CO4:Students will be able to enhance their writing ability through practice of letter writing. These kinds of practices differently help them in practical life. With the use of phrases, idioms and proverbs they will be able to make their speaking and writing skills more effective.

BFA

2nd Semester

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc. The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named “Sarvotam punjabi sahit” will be followed. The book has been divided into four parts i.e. stories , poetry, nibhandh and Rekha Chitar from which only nibandh and rekhay chitar will be taught in the second semester. . In this section student will be introduce to renowned Punjabi poets, novelist and historical personalities like bhai mardana ji .Which basically enhance and teach them about society, human life, teachings, love towards country, emotions and importance of God.

CO2: During the course the book named “Etihask yaddan” (Last six essays) will be followed. . This book basically based on historical events like “ 11 November,1918” ,“Afghanistan de lok” and also describe significant personalities from history .

CO3: Student will be able to enhance their writing ability through practice of letter writing. These kinds of practices definitely help them in practical life. Idioms and proverbs will be taught to students which can be improve their speaking and writing skills.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about word structure/Formation and parts of speech e.g.Noun, Pronoun, verb, Adjective, Adverb, Preposition, Conjunction and Interjection.

Course name: Basic punjabi

BSC IMT

1st semester

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about the rich heritage, culture of Punjab especially their mother tongue "Punjabi" being residents of Punjab.This course provides a platform to the students from where they can enhance their capacity to communicate and interact effectively with across languages and culture.

Course outcomes

CO1: This study program will enhance the knowledge of Punjabi language. They will come to know about the origin of Punjab and Punjabi language. The use of Punjabi script Gurumukhi is mandatory. Students learn about reasonable writing formation, shape and proportion.

CO2: Through Grammar skills, students would be able to learn technical aspects of Punjabi language and its structure especially in communication and writing skills. Correct punctuation and accurate spacing techniques help them to learn accurate writing pattern.

CO3: Students will learn about different work mode and their work tools especially in societies of Punjab. They can use this information in their business and work area while communicating with audiences.

CO4: Students will learn about different relationships in Punjabi region and they will also learn the vocabulary of daily life like counting, name of months, name of seasons, name of days. This information surely helps them in communicating with local people.

BSC IMT

1ST Semester

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc. The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named "Sarvotam punjabi sahit" will be followed. The book has been divided into four parts i.e. stories, poetry, rekha Chitra, nibandh from which only stories and poetry will be taught in the first semester. The stories basically deal with Social,

Religious, Economic and Cultural aspects . . The poetry section of the book introduces the students to renowned authors of Punjab as – Bhai veer singh, dhani ram chatrick, shiv kumar batalvi, surjit patar, amrita preetam and many more. Bhai Veer Singh whose work talks of nature. Another poet is Shiv Kumar Batalvi whose poetry talks of love and the pain of separation etc.

CO2: During the course the book named “Etihāsik yaddan” (First six essay)) will be followed. This book basically based on historical events like “ 1917 tu pehla ruse” ,“Guru ka Bhagh te Multan”,Saka shri Nankana Sahib” and also describe significant personalities from history .

CO3: Writing skills as paragraph writings and unseen passages are taught to students In order to improve their usage of Punjabi language. Group discussion is also encouraged on general topic in classroom which helps them to enhance their point of view. These kinds of practices definitely help them in practical life.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about regional language, Punjabi as official language, technical language, different dialects across the state and its usage and importance. The part of the course also talks of Punjabi language and its development.

Course name: Basic punjabi

BSC IMT

2nd semester

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about their rich heritage, culture especially their mother tongue "Punjabi" being a residence of Punjabi. This course provides a platform to the students where they can enhance their capacity to communicate and interact effectively across languages and culture.

Course outcomes

CO1:Students will be able to enhance their writing skills by learning the different parameters of Grammar like Noun, Pronoun, Verb, Adverb, Adjective etc. Through practice they can make their writing and speaking skills more effective.

CO2:Students will be able to learn the formation of sentences, types and their use in daily life. Surely it will help them in to make their reading, speaking, listening and writing skills more powerful.

CO3:Students will be able to express their own ideas, information, imagination and their own perspective through paragraph writing. Precis writing provides training in careful reading and it is also useful to develop one's capacity to discriminate between essential or non-essential information.

CO4:Students will be able to enhance their writing ability through practice of letter writing. These kinds of practices differently help them in practical life. With the use of phrases, idioms and proverbs they will be able to make their speaking and writing skills more effective.

BSC IMT

2nd Semester

Subject: Compulsory Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc. The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course outcomes

CO1: During the course, the book named "Sarvotam punjabi sahit" will be followed. The book has been divided into four parts i.e. stories, poetry, nibhandh and Rekha Chitar from which only

nibandh and rekhay chitar will be taught in the second semester. . In this section student will be introduce to renowned Punjabi poets, novelist and historical personalities like bhai mardana ji .Which basically enhance and teach them about society, human life, teachings, love towards country, emotions and importance of God.

CO2: During the course the book named “Etihasik yaddan” (Last six essays) will be followed. . This book basically based on historical events like “ 11 November,1918” ,“Afghanistan de lok” and also describe significant personalities from history .

CO3: Student will be able to enhance their writing ability through practice of letter writing. These kinds of practices definitely help them in practical life. Idioms and proverbs will be taught to students which can be improve their speaking and writing skills.

CO4: The fourth part of the course deals with grammatical part of the language where students learn about word structure/Formation and parts of speech e.g.Noun, Pronoun, verb, Adjective, Adverb, Preposition, Conjunction and Interjection.

BPT

Course name: Basic Punjabi

1st year

Program specific outcomes

Main objective of this course is to enhance the knowledge of students about the rich heritage, culture of Punjab especially their mother tongue "Punjabi" being residents of Punjab.This course provides a platform to the students from where they can enhance their capacity to communicate and interact effectively with across languages and culture.

Course outcomes

CO1:This study program will enhance the knowledge of Punjabi language. They will come to know about the origin of Punjab and Punjabi language. The use of Punjabi script Gurmukhi is mandatory. Students learn about reasonable writing formation, shape and proportion.

CO2:Through Grammar skills, students would be able to learn technical aspects of Punjabi language and it's structure especially in communication and writing skills .Correct punctuation and accurate spacing techniques help them to learn accurate writing pattern.

CO3:Students will learn about different work mode and their work tools especially in societies of Punjab. They can use this information in their business and work area while communicating with audiences.

CO4:Students will learn about different relationships in Punjabi region and they will also learn the vocabulary of daily life like counting, name of months, name of seasons, name of days. This information surely helps them in communicating with local people.

BPT

1st year

Subject: General Punjabi

Program specific outcomes

Being the residents of Punjab it's important for students to know about their regional language in its various forms. Learning this language will also teach them about social and cultural aspects of the state. Moreover Punjabi language is not limited to state only but at international levels as well, it is taught and learned. For example: England, Canada, Australia etc. The students who will master this language can see their bright career in the field of Civil Services, Radio jockey, Anchor, Movies, Script writer etc.

Course Outcome

CO1: During the course, the book named “sarvotam Punjabi sahit” will be followed. The book has been divided into four parts i.e. stories and poetry character sketch, essay. The stories basically deal with social, religious, economic and cultural aspects. The poetry section of the book introduces the students to renowned authors of Punjab as – Bhai Veer Singh Feerozdeen shafat, Amrita Pritam shiv kumar etc. students will come to know about prose author principal Teja singh etc.

CO2: During the course the novel pavitra papi will be followed. This novel written by nanak singh and described the socio-economic aspects of society.

CO3: The third part of the course deals with syntax/ grammatical part of the language. Students learn about regional language, Punjabi as official language, technical language and its usage and importance. This part of the course also talks of different dialects across the state.

CO4: Writing skills as paragraph writings, unseen passages, proverbs and idioms are taught to students in order to improve their usage of Punjabi language. Group discussion is also encouraged on general topics in classroom which helps them to enhance their point of view. These kinds of practices definitely help them in practical life.

Department of English

Communicaton Skills

**BVoc (Dance),BVoc (Health care
management),BVoc(PDM),BVov(Beauty),BVoc(Data
Science),BVoc(Theatre),BVoc(Ecommerce)**

SEM 1

Program Specific Outcome

PSO1:

- The students will learn about Reading Skills through theoretical and practical activities to help them enhance their Reading Skills.
- The students will learn about Writing Skills through theoretical and practical activities to help them enhance their Writing Skills.

PSO2:

- The students will learn about Listening Skills through theoretical and practical activities to help them enhance their Listening Skills.
- The students will learn about Speaking Skills through theoretical and practical activities to help them enhance their Speaking Skills.

Course Outcomes

CO1:The students will learn about various Reading tactics and strategies. They will learn about Reading Purposes and its kinds through associated comprehensions and also will learn how to understand the meanings of words in specific contexts. The students will learn about coherence, logical progression and meanings of phrases/ expressions.

CO2:Through Comprehensions, questions in multiple choice formats will be asked in order to help them identify the specific content in the comprehensions. Short comprehension questions based on content and development of ideas will also be taught during the course.

CO3:The students will learn about Guidelines for effective writing. The students will learn about writing styles for application, personal letter, official/ business letter during the course.

CO4:They will also learn to organize the details in a sequential order, Resume, memo, notices. Along with this, during the course, the students will learn how to sub-divide the contents while making notes and learn how to write notices for circulation/ boards.

SEM 2

CO1:The students will learn about effective listening skills and its types and the barriers which come in between and how to overcome those barriers. The students will learn about levels of Listening, Essential characteristics of a good listener along with the benefits of being a good listener. The students will learn about feedback skills, its types and its benefits.

CO2:Listening exercises – Listening to conversation, News and TV reports will help the students to know about listening skills in practical manner and thus they will be able to enhance and improve their listening Skills. The students will learn about dos and do not's while attending telephone calls; note taking and note making.

CO3:While learning Speaking Skills, The conversational English shall be taught through asking and providing information on general topics. Components of a meaningful and easy conversation shall be the main focus while teaching Speaking Skills. Understanding the cue and making appropriate responses; forms of polite speech will be another area which students will learn during the course.

CO4:To make them aware about the correct pronunciation, sounds of English, Stress and Intonation will be taught to students during the course. Situation based Conversation in English; Essentials of Spoken English will be another area which will be taught in the course. Activities like Giving Mock Interviews, Situation based conversational English will help the students to enhance their Speaking Skills.

BA (ELECTIVE ENGLISH) Sem-I

Program Specific Outcomes

PSO1: This subject expands knowledge of the students about major writers and their works in English literature. It equips them to compose sophisticated written works in various areas of literature along with the usage of literary devices. It also prepares them for Postgraduate programs such as M.A. English.

PSO2: In this course students develop their skills of critical thinking. It enables the students to be aware of the importance of the co-existence of different cultural perspective by reading different literature.

PSO3: In this subject students' knowledge of English Literature is enhanced and their critical thinking is developed by teaching them poetry and novel. Their technical skills are sharpened by teaching 'New Directions', a book that makes the students enhance their reading, writing and critical thinking.

PSO4: In this subject students are introduced to other genres of English Literature such as prose and short stories. Along with this students' reading, writing and critical thinking is also enhanced by teaching them 'New Directions' a book that enhances technical skills of the students. In order to teach perfect pronunciation of English they are taught Phonetics and transcription of polysyllabic words.

PSO5: This subject expands the knowledge of the students about the major writers and their works in English Literature. It familiarizes them with the paramount works of the great writers of English Literature and also prepares them for post graduate programs such as M.A. English.

PSO6: This paper enhances the knowledge of the pupils about English Literature and its impact on the world at stretch. It develops the critical thinking amongst the students and also helps them in developing their point of view. Moreover, this subject gives them an extended peep into the English Literature.

Course Outcomes

CO1: In this unit pupils learn about various literary devices and their usage in writing. This unit further comprises of Phonetic symbols and transcription of the words.

CO2: This unit comprises of ‘An Anthology of Poems’ that helps them to recognize poetry from a variety of cultures and historical periods.

CO3: In this part again students get familiar to poetry. It kindles their skills of critical thinking. Moreover, it enhances their writing skills.

CO4: In this unit there is a play ‘A Doll’s House’ that guides them to understand the dramatic devices and to learn about female plight in the society.

Sem-II

CO1: In this unit students learn about many literary devices and Phonetic Transcription.

CO2: In this part students are taught about a play ‘The School for Scandal’ and it inculcates the sense of understanding the various aspects of drama.

CO3: This unit again comprises of the reading of the play. This reading of the play develops their critical thinking.

CO4: This unit has the complete text reading of the novella ‘Untouchable’, this makes them able to realize about the caste system in India.

Sem-III

CO1: Students are given a detailed insight of English Literature by teaching them on of the prominent works of George Orwell ‘Animal Farm’.

CO2: Students are taught poems of famous poets like Shakespeare, Pope, Wordsworth etc. to give them a thoughtful experience of English Literature that helps them to build their artistic qualities.

CO3: Students' technical skills are sharpened by teaching them articles on Gender Roles and Work from a book of New Directions that enhances their reading, writing and critical thinking.

CO4: Students are made to practice transcription of polysyllabic words on regular basis.

Sem-IV

CO1: As a genre prose includes essays written on different topics by English as well as Indian writers such as E.M. Forster, George Orwell, Ravinder Nath Tagore, Servepalli Gopal, Sant Singh Sekhon, Balraj Sahni.

CO2: Students' technical skills are sharpened by teaching them articles on Intercultural Communication, Education and Mass Media and Technology from a book of New Directions that enhances their reading, writing and critical thinking.

CO3: Students are taught stories from all the commonwealth countries that present Colonialism in their respective cultures.

CO4: Students are made to practice transcription of polysyllabic words on regular basis.

Sem-V

CO1: This unit comprises of very short question answers from the play 'Merchant of Venice', 'Arms and the Man' and a book of 'Background to the Study of English Literature' from English Literature. So, it gives the minute detail about these works to the students.

CO2: This unit deals with short question answers of the above mentioned works. It enables them to know more about their subject.

CO3: This section deals with long questions answers of the prescribed books. It accelerates writing and creative skills of the students as the focus of this unit is on their writing style.

Sem-VI

CO1: This unit helps the students in understanding the basic details of the subject.

CO2: This section of the syllabus gives an insight to know more about the writers of English Literature and their works.

CO3: This part of the paper comprises of long question answers, so it helps the students in developing their critical sight and writing skills.

English (Honours)

(SEM-III)

Program Specific Outcomes

PSO3: The students will learn one of the genres of Literature in details i.e. English Prose. The students will learn various types of prosaic writing skills.

PSO4: The students will learn one of the genres of Literature in details i.e. English Poetry. The students will learn various types of poetry.

PSO5: The students will learn one of the genres of Literature in details i.e. English Novel. The students will learn various types of Novels.

PSO6: The students will learn one of the genres of Literature in details i.e. English Drama. The students will learn various types of drama.

Course Outcomes

CO1: The students will learn the concept of Prose- its purpose, and how it is different from the other genres.

CO2: Through the prescribed authors - Francis Bacon, Charles Lamb, Bertrand Russell and George Orwell.

CO3: The students will also learn about Francis Bacon and Charles Lamb's personal lives which are reflective in the essays like – Of Truth, Of Travel, A Bachelor's Complaint, Poor Relations etc. They will read the essays and peep into the lives of the characters and will analyze them in the light of the contemporary era giving them their personal touch.

CO4: The students will also learn about Bertrand Russell and George Orwell's personal lives which are reflective in the essays like – In Praise of Idleness, On Being Modern-minded, A Hanging, Shooting an Elephant etc. They will read the essays and peep into the lives of the characters and will analyze them in the light of the contemporary era giving them their personal touch.

English (Honours)

(SEM-IV)

CO1: The students will learn the concept of Poetry - its purpose, and how it is different from the other genres. They will study the Poetry of Renaissance Age, Neo Classical Age, Romantic Age, Victorian Age and Modern Age.

CO2: Through the prescribed authors - William Shakespeare, John Donne, William Wordsworth, John Keats etc. They will understand the difference between different types of poetry. For example- Sonnets, Odes, Dramatic Monologues, Blank Verse Poetry etc.

CO3: The students will also learn about the authors' personal lives which are reflective in their work and the trends of the age they belong to. Through the text readings, they will learn to critically analyze it.

CO4: Comparative Study will also be taught by critically comparing the poetry of different ages.

English (Honours)

(SEM-V)

CO1: The students will learn the concept of Novel - its purpose, and how it is different from the other genres. They will study the British Modern Novel, American Novel and Indian literature.

CO2: Through the prescribed authors - Thomas Hardy, Henry James, Ernest Hemmingway and Amitav Ghosh, they will understand the structure, plot, characterization in novels.

CO3: The students will also learn about the trends of the age they belong through the text readings.

CO4: Student's skills of analyzation are sharpened by making them critically analyze the texts.

English (Honours)

(SEM-VI)

CO1: The students will learn the concept of Drama and how it is different from the other genres. They will study the Drama of Renaissance Age, Restoration Age, Modern Age and Theatre of Absurd.

CO2: Through the prescribed authors - William Shakespeare, William Congreve, John Osborne and John Galsworthy .they will understand the difference between different types of dramas.

CO3: The students will also learn about the authors' personal lives which are reflective in their work and the trends of the age they belong to. Through the text readings, they will learn to critically analyze it.

CO4: Comparative Study will also be taught by critically comparing the dramas of different ages.

BA/B.SC/B.COM/BBA (GEN.ENGLISH) Sem-I

Program Specific Outcome

PSO1:

- The students will learn genres of Literature as short stories and prose.
- The students will learn about Basic grammar skills.

- The students will learn writing skills through Paragraph Writing.

Course Outcomes

CO1:Through the book **English Grammar in Use**, students will learn Tense and its usage in details, use of infinite, Article, Singular/ Plural, Narration, Active/ Passive Voice and through the practical exercises will be able to use the learned knowledge.

CO2:The students will learn about Guidelines for effective writing through Paragraph Writing on general topics.

CO3:The students will learn the concept of Short Stories- its purpose, and how it is different from the full length novel. Through the prescribed stories like **The Umbrella, The Lament, The luncheon** etc. they will read the anecdotes described in the stories and peep into the lives of the characters and will analyze them in the light of the contemporary era giving them their personal touch.

CO4:The students will also learn about Prose and its types as Descriptive Prose, Narrative Prose, and Comparative Prose through the essays prescribed.

Sem-II

Program Specific Outcome

PSO2:

- The students will learn genres of Literature as short stories and prose.
- The students will learn about Basic grammar skills.
- The students will learn writing skills for Personal Letters.

Course Outcomes

CO1:Through the book English Grammar in Use, students will learn Adverb, Preposition, Adjectives, and Clauses etc. in details and through the practical exercises will be able to use the learned knowledge.

CO2:The students will learn about Guidelines for effective writing skills for penning down Personal Letters.

CO3:The students will learn the concept of Short Stories- its purpose, and how it is different from the full length novel. Through the prescribed stories like The Doll House, Toba TekSingh, Eveline etc they will read the anecdotes described in the stories and peep into the lives of the characters and will analyze them in the light of the contemporary era giving them their personal touch. These stories will introduce them to the idea of Partition, the dilemma of making the right choice in life and the concept of casteism present in our society.

CO4:The students will also learn about Prose and its types as Descriptive Prose, Narrative Prose, and Comparative Prose through the essays prescribed.

Sem-III

Program Specific Outcomes

PSO3: This subject introduces the students to one of the prominent genres of English Literature: Poetry. They are briefly taught about poetry from ancient to modern times. They are made familiar with the poets of their syllabus. Along with this students' grammatical skills are also sharpened by teaching them grammar and a book of 'Making Connections': a strategic approach to academic reading and vocabulary.

Course Outcomes

CO1: Students are taught grammar rules and its use in English language. They are also made to practice those grammar rules by solving exercises.

CO2: Along with grammar students' compositional skills are also sharpened by teaching them essay writing.

CO3: Students are taught about poets and their poems that cover different periods in the history of English poetry from the Elizabethan to the modern period which develops the skill of critical thinking. They are taught poets like: Shakespeare, Keats, Shelley, Tennyson and Herbert.

CO4: Articles on Global Health and Multicultural Societies based on different skills and strategies are taught to the students.

Sem-IV

Program Specific Outcomes

PSO4: This subject enhances the knowledge of poetry among students. Poets, generally considered representatives of different periods in the history of English poetry, are taught to the students. Students are made to practice grammar from the prescribed book. Students' academic reading and vocabulary is also enhanced by teaching them a book of 'Making Connections'.

Course Outcomes

CO1: Students are taught grammar rules and its use in English language. They are also made to practice those grammar rules by solving exercises.

CO2: Poets like Browning, Hardy, Frost, Yeats, Dickinson and Stevens and their poems are taught to the students to develop their thought, idea and interest in literature.

CO3: Articles on Aspects of Language and Sustaining Planet Earth based on different skills and strategies are taught to the students.

CO4: Students are made to learn academic reading by teaching them articles and readings from the book critically.

Sem-V

Program Specific Outcomes

PSO5: This subject prepares the students to understand the basic literature. The main idea of this subject is to equip the students with the nuances of English language which includes proficiency in writing and speaking. It further helps them to prepare for various competitive exams and to keep up with the increasing demand for English in Indian society and at the global level.

Course Outcomes

CO1: This unit deals with the complete reading of the text of the play ‘All My Sons’ and it focuses on the role that how literature and cultural texts leave an impact on society, both now and in the past.

CO2: ‘The Anthology of Poems’ guides the students to apply critical and theoretical approach to the reading and analysis of a cultural text in multiple genres.

CO3: In this part of the course, students are taught to write analytically in a variety of formats, including letters, applications, resume, business and report writing.

Sem-VI

Program Specific Outcomes

PSO6: This course prepares the students to meet the challenges of the modern competitive society. It makes them confident. It enhances their knowledge about the major works in English literature and also improves their writing skills.

Course Outcomes

CO1: This unit teaches the students about the minute details of the novel ‘The Guide’ and about various other genres of theatre.

CO2: This unit deals with the detailed study of the novel ‘The English Teacher’ and ‘The Glimpses of Theatre’. The novel tells the students about the conjugal life and its bond with spirituality. It further connects the students with the deep study of dramatic field.

CO3: The Essay Writing concept helps the students to enhance their writing skills, vocabulary and analytical insight.

Masters Of English

Program Outcomes

Students get opportunity to work in the various fields like- Radio & Television (Jockey/ Host/ Dubbing & Voice over Artist); Print Media (Journalist, Content & Copywriter, Freelancer Writer, and Film Reviewer); Travel & Tourism (Guide, Interpreter/ Translator); Educationist in Schools, Colleges & Universities; English Language Trainer & IELTS Trainer.

Semester 1

Program Specific Outcome

Paper 1: Poetry- Renaissance To Romantic

- The paper will familiarize the students with Early Modern World earlier called Renaissance through Poetry of John Milton, Donne, Pope and Wordsworth.
- The students will learn about various literary terms and techniques of Poetry.

Course Outcomes

CO1- The Unit 1 will familiarize the learners with Milton’s – Paradise Lost.

CO2- The Unit 2 will acquaint the students with poetry of John Donne.

CO3- The Unit 3 will teach the students about mock epic- through Rape of the Lock

CO4- In Unit 4, students will learn romantic age poetry through the poems of William Wordsworth.

PSO Paper 2: Renaissance Drama

- The paper will familiarize the students with basic foundations of the genre through study of Poetics and plays by dramatists.
- The students will learn about relevance of plot, characters, setting, and three unities of drama, hamartia and catharsis which make the basis of this genre.
- The students will go through Renaissance Drama learning classical concepts about Drama drawn by Aristotle to the world famous dramatist Shakespeare.

Course Outcomes

CO1- The Unit 1 will familiarize the learners with Poetics by Aristotle.

CO2- The Unit 2 will acquaint the students with one of the plays of Christopher Marlowe- Doctor Faustus

CO3- The Unit 3 will teach the students about one of the plays of Shakespeare i.e. Hamlet

CO4- In Unit 4, students will learn Ben Jonson's Volpone.

PSO PAPER 3: ENGLISH NOVEL- UPTO 19 TH CENTURY

- The paper will familiarize the students with strategies of narrative, theme and image that novel uses.
- The students will learn about Sentimental Novel, Novel of Manners, Social Novel through the various works prescribed in paper.
- The narrative techniques as point of views from which novels are written shall be taught to students.

Course Outcomes

CO1- The Unit 1 will familiarize the learners with Henry Fielding's Joseph Andrews

CO2- The Unit 2 will acquaint the students with one of the novels of Jane Austen i.e. Pride and Prejudice.

CO3- The Unit 3 will teach the students about one of the plays of Dicken's Hard Times.

CO4- In Unit 4, students will learn Hardy's Jude – the Obscure.

PSO PAPER 4: PHONETICS AND SPOKEN ENGLISH

- The students will learn about varieties of English prevalent in the globe along with Organs of Speech required to utter these varieties.
- The sounds of English language in standardized form and Indian variants of English phonemes are taught in this paper.
- Syllable, Stress and Intonation is taught to students in order to make them understand the technicalities of Spoken English.

Course Outcomes

CO1- The Unit 1 will familiarize the learners with Organs of Speech, Varieties of English, RP English and IPA symbols

CO2- The Unit 2 will acquaint the students with sounds of English, phonemes, allophonic variants and Indian variants of English phonemes.

CO3- The Unit 3 will teach the students about Syllable and Stress.

CO4- In Unit 4, students will learn Weak forms, Intonation.

PSO PAPER 5: WESTERN LITERARY HISTORY

- Along with the foundations of genres; the basic division of ages of literature shall be taught to students.
- The early developments of mode of representation varying from Medieval Literature to Classical Literature shall be taught.

Course Outcomes

CO1- The Unit 1 will familiarize the learners with the background of various ages of Literature.

CO2- The Unit 2 will acquaint the students with British Drama from Classical Age to Neo Classical Age.

CO3- The Unit 3 will teach the students about Poetry from the Classical Age to Romantic Age.

CO4- In Unit 4, students will learn about fiction and its various types including French and German.

Semester 2

PSO PAPER 6: POETRY 2 – VICTORIAN AND MODERN

- The course will familiarize the students with Victorian age and Modern Age Poetry.
- The students will also learn about the transition happening in this period due to impact of industrialization or world wars sterilizing emotional detachment.

Course Outcomes

CO1- The Unit 1 will familiarize the learners with Browning and his works.

CO2- The Unit 2 will acquaint the students with poetry of W.B Yeats.

CO3- The Unit 3 will teach the students about Eliot's The Waste Land.

CO4- In Unit 4, students will learn Philip Larkin's works.

PSO PAPER 7: MODERN DRAMA

- The contemporary themes prevalent in today's time about common man through the genre shall be taught in this paper.
- The students will learn about Absurd drama, Kitchen Sink Drama reflecting the absurdity of daily life in contemporary age.

Course Outcomes

CO1- The Unit 1 will familiarize the learners with G B Shaw's St. Joan.

CO2- The Unit 2 will acquaint the students with Waiting for Godot.

CO3- The Unit 3 will teach the students about Eliot's The Family Reunion

CO4- In Unit 4, students will learn with Pinter's The Birthday Party

PSO PAPER 8: MODERN NOVEL

- The students will learn about the modern techniques of writing a novel adopted by authors.
- They will get familiarize with stream of consciousness, psycho analyzing the characters and delving deep into their personalities.

Course Outcomes

CO1- The Unit 1 will familiarize the learners with Lawrence's Sons and Lovers.

CO2- The Unit 2 will acquaint the students with Virginia Woolfe – Mrs. Dalloway.

CO3- The Unit 3 will teach the students about Conrad's Heart of Darkness.

CO4- In Unit 4, students will learn with Golding's Lord of the Flies.

PSO PAPER 9: ENGLISH GRAMMAR AND WRITING

- The students will learn about the various techniques of word formation.
- The syntax and structure, parts of speech along with the functional part of language shall be taught.
- The students will also learn about Applied Grammar and its composition.

Course Outcomes

CO1- The Unit 1 will familiarize the learners with The formation of words.

CO2- The Unit 2 will acquaint the students with Parts of Speech, Auxiliaries, simple sentences etc.

CO3- The Unit 3 will teach the students about Complex sentences, Clauses and cohesion.

CO4- In Unit 4, students will learn with Basic sentence fault and effective paragraphs.

PSO PAPER 10: WESTERN LITERARY HISTORY II

- The students will learn about the MODERN Drama, Poetry and Fiction.

- The students will get familiarize with American, British, and Continental literature.

Course Outcomes

CO1- The Unit 1 will familiarize the learners with the background of various ages of Literature.

CO2- The Unit 2 will acquaint the students with Modern Drama- British, American and Continental.

CO3- The Unit 3 will teach the students about Poetry from Victorian age to Postmodern age including American and Continental

CO4- In Unit 4, students will learn about fiction and its various types from Victorian age to Postmodern age including American and Continental.

Semester 3

PSO PAPER 11: IRISH LITERATURE

- The students will learn about Irish literature.
- Through this paper, Irish authors shall be introduced to students and the techniques they adopted to pen down.
- Through this paper students will get familiarize with ‘bildungsroman novel’, farcical comedy to escape social obligations, prosaic satire etc.

Course Outcomes

CO1- The Unit 1 will familiarize the learners with Gulliver Travels by Jonathan Swift.

CO2- The Unit 2 will acquaint the students with Importance of Being Ernest by Oscar Wilde.

CO3- The Unit 3 will teach the students with The Playboy of the Western World by J.M Synge.

CO4- In Unit 4, students will learn about A portrait of the Artist as a Young Man by James Joyce.

PSO PAPER 12: GENERAL LINGUISTICS

- The students will learn various theories of formation of language and its ever-continuous changing process.
- The students will be taught Structural Theory, Transformational Generative Theory, Functional Theory and methods and approaches to Language teaching.

Course Outcomes

CO1- The Unit 1 will familiarize the learners with Structural Theory.

CO2- The Unit 2 will acquaint the students with Transformational Generative Theory.

CO3- The Unit 3 will teach the students with Functional Theory.

CO4- In Unit 4, students will learn about Applied Linguistics.

PSO PAPER 13: LITERARY CRITICISM

- Through this paper, students will develop understanding about the principles of Western European philosophy and other aesthetic theories.
- Students will acquire skills in handling of theoretical issues related study of literature and culture.

Course Outcomes

CO1- The Unit 1 will familiarize the learners with Wordsworth's Preface to Lyrical Ballads.

CO2- The Unit 2 will acquaint the students with Matthew Arnold.

CO3- The Unit 3 will teach the students with T.S Eliot and Cleanth Brook's critical works.

CO4- In Unit 4, students will learn about Northrop Frye and Viktor Shklovsky.

PSO Paper 14: Indian Writing In English

- The students will be introduced to literary texts varying from a range of social and political angles.
- The writings in various genres as poetry, drama, and fiction by Indian authors shall be taught.

Course Outcomes

CO1- The Unit 1 will familiarize the learners with Kamala Das and Nissim Ezekiel's works.

CO2- The Unit 2 will acquaint the students with Raja Rao's works.

CO3- In Unit 3, Anita Desai's works will be taught to the students.

CO4- In Unit 4, students will learn about Shashi Deshpande's works.

PSO Paper 15: Rhetoric And Advanced Composition

- The students will be introduced to the writing skills.

Course Outcomes

CO1- The Unit 1 will familiarize the learners with problems of diction, problems of sentence structure and style and sentence fragment.

CO2- The Unit 2 will acquaint the students with paragraph writing.

CO3- The Unit 3 will teach the students with types of paragraphs.

CO4- In Unit 4, students will learn about research writing.

Semester 4

Paper 16: Modern Literary Theory

CO1- The Unit 1 will familiarize the learners with Lionel Trilling and Toril Moi 's works.

CO2- The Unit 2 will acquaint the students with Terry Eagleton's works.

CO3- The Unit 3 will teach the students with Edward Said's works.

CO4- In Unit 4, students will learn about Roland Barthes and Roman Jakobson's works.

Paper 17: American Literature

CO1- The Unit 1 will familiarize the learners with poetry of Whitman and Frost.

CO2- The Unit 2 will acquaint the students with work of Hawthorne.

CO3- The Unit 3 will teach the students with Arthur Miller's work.

CO4- In Unit 4, students will learn about Saul Bellow's work.

Paper 18: Post Colonial Literature

CO1- The Unit 1 will familiarize the learners with Chinua Achebe's Things Fall Apart.

CO2- The Unit 2 will acquaint the students with Bapsi Sidhwa's Ice Candy Man.

CO3- The Unit 3 will teach the students with Margret Atwood's Surfacing.

CO4- In Unit 4, students will learn about Jean Rhys' Wide Sargasso Sea.

Paper 19: Prose And Short Stories

CO1- The Unit 1 will familiarize the learners with Essays of Francis Bacon.

CO2- The Unit 2 will acquaint the students with Essays of Charles Lamb.

CO3- The Unit 3 will teach the students with Essays of Russell.

CO4- In Unit 4, students will learn about Henry James.

Paper 20: Indian Literature In Translation

CO1- The Unit 1 will familiarize the learners with Kalidas' Shakuntala.

CO2- The Unit 2 will acquaint the students with Guru Nanak Dev Ji's Japuji Sahib.

CO3- The Unit 3 will teach the students with Tagore's Home and the World.

CO4- In Unit 4, students will learn about U.R. Krishnamurthy's Samskara.

BA Journalism (Principles Of Communication) Sem-I

Program Specific Outcome

PSO1: This subject expands the area of communication for learners both at personal and professional level. This subject enables them to be competent in oral, written, and visual communication. This subject gives them an understanding of the various fields of communication.

Course Outcomes

CO1: The unit, Fundamentals of Communication, enables the students to understand basic concepts of communication.

CO2: The unit, Process of Communication, comprises various ways of communication and develops the awareness of the students about appropriate communication strategies.

CO3: In the unit, Forms of Communication, students learn about different kinds of communication and how this type of communication works.

CO4: The unit, Theories and Models of Communication, deals with many types of communication models that give students visual insight in the process of communication. It enables them to pick the cues and communicate properly, while theoretical aspect enhances their writing skills.