PO AND CO LIST – UG PROGRAMS

BBA POs AND COs

BBA POs

PO1	To understand and apply the principles of management to find a solution to problems keeping in mind the complex business environment
PO2	To learn quantitative and business tools to facilitate analysis and
PO3	To analyze, evaluate and recommend solutions.
PO4	Demonstrate the basic competencies in using contemporary ICT and automation in finding solutions.
PO5	Demonstrate oral and written communication using matching IT tools that can convince a person of one's point of view.
PO6	To develop competencies for leading, entrepreneurship or Intrapreneurship, and managing change to solve real-world problems.
PO7	In a case context demonstrate competency to solve problems in a socially responsible, ethical and sustainable manner.
PO8	Demonstrate willingness to build and invest in pursuing holistic goals, continuous learning and career growth
PSO1	Gain basic proficiency in pursuing a career track that meets current demand such as retail, banking or logistics.
PSO2	Gain proficiency in a contemporary business analytics tool such as Power BI

BBA COs

	Business Accounting
CO1	To apply the basic principles of accounting
CO2	To understand the basics of management accounting
CO3	To understand the systems /process for recording transactions
CO4	Use advanced software in accouting
	Fundamentals of Business Mathematics
CO1	Demonstrate scientific temperament
CO2	Analyze and evaluate Mathematics problems
CO3	Solve business problems using quantitative techniques
CO4	Explain modern trends in Mathematics
CO5	Apply mathematics for business decisions
	Fundamentals of Business Statistics
CO1	To present a broad overview of statistics as a subject
CO2	To organize a statistical survey
CO3	To understand the importance of summary measures to describe the characteristics of data set

CO4	To analyze the relationship between two variables
CO5	To use various forecasting techniques
	COST AND MANAGEMENT ACCOUNTING
CO1	Explain the basics of cost and Managerial Accounting
CO2	To use material and stock in managerial accounting framework
CO3	To compute overhead, reconciliation and financial accounts.
CO4	To explain the basis of managerial accounting and budgetary controls
CO5	Use the principles of cost-volume profit analysis, standard costing and labor variance
	Mathematics for Management
CO1	Develop scientific ability.
CO2	Critically evaluate mathematical problems.
CO3	To have fundamental touch with industrial and commercial problems.
CO4	To know about modern trends in mathematics.
CO5	To be prepared for management studies.
	Business Communication
CO1	Explain the basic principles of communication
CO2	Use verbal and non-verbal communication effectively
CO3	Use listening as a communication tools
CO4	Gain proficiency in using written communication
CO5	Use the new trends in business communication effectively
	Statistics for Management
CO1	To have a some idea about probability and probability distributions
CO2	To develop the concept of sampling distribution
CO3	Analysis of data using basic statistical tools
CO4	To conduct various statistical tests
	Human Resource Management
CO1	To explain the basics of HR
CO2	To understand recruitment and selection, and training
CO3	To use performance appraisal and career planning
CO4	To explain job design and total rewards management
CO5	To understand the fundamentals of compliance in HR
	Marketing Management
CO1	To explain the basics of marketing
CO2	To understand and use Marketing mix
CO3	To use pricing strategies effectively
CO4	To use promotions effectively
CO5	To undertake market research and market audit
	Research Methodology
CO1	To explain the basics of research

CO2	To select and define a problem
CO3	Create a research design
CO4	To understand the types of data and collect data proficiently
CO5	To interpret and generate research reports
	Business Laws
CO1	To identify the principles behind law of contract
CO2	To students to identify the validity of contracts
CO3	Explain various special contracts
	Financial Management
CO1	Explain finance functions
CO2	Understand sources of finance
CO3	To explain working capital and cash management
CO4	To make financial decisions
CO5	Make dividend decisions
	Managerial Economics
CO1	To explain the basics of managerial economics
CO2	Explain various financial policies
CO3	Do demand analysis
CO4	To explain and apply production functions
CO5	Explain market structure
	Entrepreneurship
CO1	Explain entrepreneurship
CO2	Demonstrate knowledge about EDP and institution conduction EDP
CO3	To explain the principles of entrepreneurial finance
CO4	To be able to identify opportunities and leverage entrepreneurial supporting agencies
CO5	Formulate projects and make effective project reports
	Basic Informatics for Management
CO1	Demonstrate a through knowledge in Excel.
CO2	Be able to use Excel in research work
CO3	Use computerized accounting
CO4	Analyze financial position of a firm using ICT
CO5	to be prepared for advanced software studies
	Corporate Laws
CO1	To identify the various steps in the formation of a company
CO2	To specify the basic principles of corporate laws
CO3	To clarify the basic principles of partnership law
CO4	To understand the basic features of limited liability partnership
CO5	to be prepared for advanced software studies
	Organizational Behaviour

CO1	To explain the basics of OB
CO2	To explain and use the concepts in 5 Pillars of OB/Individual OB
CO3	To apply the concepts of Group OB
CO4	To explain organizational level Behaviour
CO5	To use the basic principles of behavior in leadership
	Capital Market & Investment Management
CO1	To give the students an overall idea about capital market.
CO2	Ito Familiarise the students with capital market operations in India
CO3	To familiarise the students with the nature and functioning of capital markets in India and enable them to learn management of investments
CO4	to enable them to learn management of investments
	Environment Science and Human Rights
CO1	develop scientific ability
CO2	critically evaluate mathematical problems
CO3	to have fundamental touch with logical operations
CO4	To know about basic application of mathematics in programming
CO5	to be prepared for advanced software studies
	Intellectual Property Rights and Industrial Laws
CO1	To appreciate the concepts of patent and trademark protection.
CO2	To specify the various legal provisions in the Factories Act and Industrial Disputes Act.
CO3	To identify the benefits offered by ESI Act.
CO4	To understand how consumers are protected through consumer redressal agencies
	Operations Management
CO1	To explain the basics of operations management
CO2	Use the basic tools of production planning and control
CO3	Explain and evaluate a material management plan
CO4	Recommend ways of work improvement
CO5	Handle quality control with assistance
	Industrial Relations
CO1	To have a basic idea regarding industrial relations.
CO2	To understand various prospect of workers and employers
CO3	To understand more about the employees performance and their carrier planning.
CO4	To know how the relationship is made in industries between workers and management.
CO5	To know how the workers participate in making programmes.
	To understand various welfare facilities of education programmes provided by employers to their employees.
	Introduction to Retail Management
CO1	To have a basic idea regarding retail management and logistics
CO2	To understand various prospect of logistics for a company
CO3	To understand more about customer service and role of logistics.

CO4	To understand various customer service provided by employers.
	Supply Chain Management
CO1	The course aims to educate students on stages of supply chain management and new opportunities in SCM
CO2	The course creates the awareness and use of various elements present in the process of material/goods requirement, sourcing and optimization of its logistics.
CO3	The participants will be able to design their own strategies based on the Organization and the environment of its operation.
	Strategic Management
CO1	Explain the fundamentals of strategy
CO2	Be able to conduct an internal and external analysis
CO3	Explain various strategies and their formulation process
CO4	Understand moderately complex strategic problems and make simple strategic solutions
CO5	Design simple strategic control measures
	Communication Skills and Personality Development
CO1	To have a basic idea regarding speeches and presentations
CO2	To understand various means for composing business messages.
CO3	To understand more about group discussions and interviews
CO4	To discuss about current issues.
CO5	Overall development of the person

B.COM POs AND COs

B.COM POs

PO1	To acquire the knowledge and skills in the domain of trade and commerce and its applications in various sectors of the economy.
PO2	To understand and apply the principles and practices of finance, taxation and accounting and to make the organization competitive
PO3	Analyze and recommend solutions using accounting taxation and financial tools.
PO4	Demonstrate the basic competencies in using contemporary ICT, automation and analytical tools appropriate to ones chosen domain
PO5	Demonstrate oral and written communication using matching IT tools that can convince a person of ones point of view.
PO6	To cultivate leadership, entrepreneurial or Entrepreneurial competencies so solve real-world problems.
PO7	In a case context demonstrate competency to solve problems in a socially responsible, ethical and sustainable manner.
PO8	Demonstrate willingness to build and invest in pursuing holistic goals, continuous learning and career growth
PSO 1	Gain basic proficiency in pursuing a career track that meets current demand such as retail, banking or logistics.
PSO 2	Gain proficiency in a contemporary business analytics tool such as Power BI

B.Com COs

	CORPORATE ACCOUNTS 1
CO1	To prepare Financial Statements of companies in accordance with Generally Accepted Accounting Principles.
CO2	To employ problem solving skills in investment accounts of shares and Debentures
CO3	To employ problem solving skills in Insurance Accounts and settlement of claims
CO4	To gain Proficiency in Joint Stock Company accounts
CO5	To gain an understanding of accounting and underwriting of shares
	QUANTITATIVE TECHNIQUES FOR BUSINESS
CO1	To make the students understand the role of statistics and quantitative techniques
CO2	To enable the students with familiarize basic tools in statistics
CO3	To acquaint them with measures of central tendency
CO4	To acquaint them with measures of dispersion
CO5	To make students aware about interpolation and extrapolation

	FINANCIAL MARKETS AND OPERATION
CO1	To understand the role of Indian financial system
CO2	To enable the students to understand the functions of primary market
CO3	To enable the students to understand the functions of secondary market
CO4	To understand about concepts of mutual fund
CO5	To understand concepts of derivatives
	MARKETING MANAGEMENT
CO1	The objective of this course is to provide a sound understanding of the basic of marketing management and their applications in the business and industry
CO2	To help students to understand the concept of product mix
CO3	To help students to understand the concept of price mix
CO4	To help students to understand the concept of physical distribution mix
CO5	To make the students aware of modern methods and techniques of marketing.
	GST
CO1	To provide the basic knowledge of the taxation
CO2	To understand the indirect tax system in India before and after GST
CO3	To gain an understanding about registration under GST
CO4	To understand about various types of assessment
CO5	To understand tax rate and procedure under GST
	CORPORATE ACCOUNTS II
CO1	To acquaint them with the preparation Insurance Accounts
CO2	To familiarize them with preparation of financial statements of Banks
CO3	To understand the theories and practice of internal reconstruction
CO4	To employ problem solving skills in companies amalgamation, absorption , internal and external reconstruction
CO5	To understand the theory and practice of liquidation of companies
	QT FOR BUSINESS II
CO1	The course is provided to familiarise the students with the various quantitative techniques
CO2	To enable the students to apply the practical problems and to obtain in bivariate analyasis
CO3	To enable the students to understand about index numbers
CO4	To enable the students to apply the practical problems and to obtain in time series
CO5	To enable the students to know about the statistical tools like estimation in business decision making.
	ENTREPRENURSHIP DEVELOPMENT AND PROJECT MANAGEMENT
CO1	To develop entrepreneurial spirit among students
CO2	To empower students with sufficient knowledge to start up their venture with confidence

CO3	To mould young minds to take up challenges and become employer than seeking employment and to make them aware of the opportunities and support for entrepreneurship in India
CO4	To evaluate and utilise relevant theories and concepts underpinning resolution of innovation management problems
CO5	To gain an understanding about entrepreneurial support in India
	FINANCIAL SERVICES
CO1	To understand the role and function of the financial system in the country
CO2	To give an awareness on the current structure and regulations of the Indian Financial Services sector
CO3	Knowledge on financial products and services
CO4	Awareness on Innovative Investment Avenues.
CO5	To gain an understanding about mergers and acquisitions
	COST ACCOUNTING 1
CO1	To familiarise the students with cost concepts and knowledge, such as terminology, fundamental principles, classifications, generalizations and methods
CO2	To make the students learn the fundamentals of cost accounting as a separate system of accounting
CO3	To demonstrate ability to calculate wages under different methods
CO4	To demonstrate ability to calculate overhead under different methods
CO5	To prepare the cost sheet
	Environment Management & Human Rights
CO1	To acquaint pupils with the different renewable and non-renewable resources: natural resources and associated problems.
CO2	Make students understand about environmental pollution, various social issues and the environment.
CO3	Make students conversant with recent developments such as Green Accounting, Green Marketing, Green Accounting, and Green Washing
CO4	To famialiarse the students with Right To Information Act
CO5	To familiarise student with Human rights as well as its national and international implications.
	Financial Management
CO1	To familiarise the students with the functional areas and principles of financial management.
CO2	To acquaint students with different financing decisions

CO3	To acquaint students with different investment decisions
CO4	To build a thorough understanding of the working capital
CO5	To acquaint students with different dividend decisions
	Brand Management
CO1	To understand the concept-Brand
CO2	To understand the process of Brand Building
CO3	To understand the value of Brand to an organisation
	Income Tax I
CO1	To know the basic concept of income
CO2	To identify the residential status and scope of total income
CO3	To compute income from salary
CO4	To compute income from house property
CO5	To compute taxable profits and gains of business and profession
	COST ACCOUNTING 2
CO1	To understand theory and practise of job costing and contract costing
CO2	To understand theory and practise of operating costing
CO3	To understand theory and practice of process costing
CO4	To develop problem solving skills in Marginal Costing
CO5	To develop awareness on Budgeting and its techniques
	ADVERTISING AND SALES MANAGEMENT
CO1	To make an awareness of the strategy, concepts and methods of advertising and sales promotion
CO2	To know the career choices and personal skill set required to succeed in the advertising industry.
CO3	To understand about advertising research
CO4	To analyse advertising and sales promotion issues critically, systematically and creatively to identify problems, and to propose and evaluate alternative approaches to solving these problems.
CO5	.To understand the advanced theories of communication relating to advertising.
	AUDITING AND ASSURANCE
CO1	To familiarize the students with the principles and procedure of auditing.

CO2	To enable the students to understand the duties and responsibilities of auditors and to undertake the work of auditing.
CO3	To acquaint students with internal control and various concepts related to it
CO4	To understand the students with the audit of limited companies
CO5	To familiarise students with special audits and investigation
	MANAGEMENT ACCOUNTING
CO1	To acquaint the students with management accounting techniques for the analysis
CO2	To familiarise students with interpretation of financial statements
CO3	To acquaint the students with the concept of ratio analysis
CO4	To acquaint students on the basic framework of financial reporting
CO5	To understand preparation of Cash flow Statements
	INCOME TAX II
CO1	To make an understanding about capital gain and its computation
CO2	To make an understanding about income from other sources
CO3	To make an awareness on clubbing and set off Provisions
CO4	To gain an understanding about assessment of individuals
CO5	To get an overview regarding returns to be filed by an individual and assessment procedure

BA VISUAL ARTS (INTERIOR DESIGN)
POS AND COS

BA Visual Arts (Interior Design) POs

PO 1	To acquire knowledge about the evolution of art and society and the theoretical framework of art and design.
PO 2	To understand and apply the principles of visual arts and design in all fields particularly in interior design to help find solutions to real-world problems.
PO 3	To develop matching craft-level skills such as painting, sculpture, etc…. to enhance creativity, dexterity, technical knowledge and boldness in interior design and analyze and recommend solutions.
PO 4	Demonstrate the basic competencies in using contemporary ICT, automation and analytical tools appropriate to one's chosen domain
PO 6	Demonstrate oral and written communication using matching IT tools that can convince a person of one's point of view.
PO 7	To cultivate leadership, entrepreneurial or Intrapreneurial competencies so solve real-world problems.
PO 8	In a case context demonstrates competency to solve problems in a socially responsible, ethical and sustainable manner.
PO 9	Demonstrate willingness to build and invest in pursuing holistic goals, continuous learning and career growth
PSO 1	To acquire and apply competencies in select sub-domain of one's choice that helps in the first career.
PSO 2	Gain basic proficiency in use of an application technology tool such as Lumion that help is the first career

BA Visual Arts (Interior Design) COs

	1-1 MODEL III FINE TUNE YOUR ENGLISH
CO1	To assimilate ideas related to passive skills of English (listening and reading)
CO2	To confidently help learners use English in both written and spoken forms
CO3	To help learners use English for formal communication effectively
CO4	To familiarize learners with nuances related to creative writing forms (viz. letter writing, essays, reviews, conversations)
	1-2 HISTORY OF ART & ARCHITECTURE
CO1	To Understand the evolution of Art & Architecture.

CO2	To Apply acquired knowledge of art and architecture history to analyse contemporary artistic and architectural trends, recognizing the influence of the past on present creative practices.
CO3	To evaluate the interconnectedness of art and architecture with other disciplines such as history, politics, religion, and sociology.
CO4	To enhance written and verbal communication skills to articulate informed opinions about art and architecture, supporting arguments with historical and contextual evidence.
CO5	To critically analyse and interpret diverse forms of art and architectural works, considering historical, cultural, and social contexts.
CO6	To Explain the historical and cultural contexts that influenced the creation of specific artworks and architectural masterpieces.
	FUNDAMENTALS OF DESIGN
CO1	To understand fundamental design principles, such as balance, contrast, unity, emphasis, and rhythm.
CO2	To explain the principles of design and how they contribute to effective visual communication.
CO3	To apply design principles to create visually effective and aesthetically pleasing designs in various mediums.
CO4	To evaluate the effectiveness of design choices in achieving specific goals.
CO5	To create innovative and well-crafted design solutions.
	RASTER IMAGE EDITING
CO1	To understand the key terminology related to raster image editing and basic image editing tools which help the students to explore complex design areas.
CO2	Evaluate the impact of different editing tools and techniques on the overall visual quality of an image.
CO3	Apply image enhancement techniques using raster image editing software (Adobe Photoshop) to perform basic editing tasks.
CO4	To create visually compelling and professionally edited raster images.
CO5	To Analyse image composition and identify areas that can be improved through editing.
CO6	To Communicate the intended message through effectively edited images.

	FUNDAMENTALS OF DRAWING PRACTICAL COMPLIM
CO1	To remember basic drawing materials and fundamental drawing techniques.
CO2	To understand principles of composition and spatial relationships in drawing.
CO3	To develop basic skill in drawing techniques
CO4	To create drawings that exhibit a personal and creative approach.
CO5	To Analyse the visual elements in a scene or subject to capture its essence in a drawing.
	ISSUES THAT MATTER MODEL III ENGLISH II THEORY COMMON
CO1	To identify major issues of contemporary significance
CO2	To respond rationally and positively to the issues raised
CO3	To internalize the values imparted through the experts
CO4	To reorient himself/ herself as conscious, cautious, concerned and conscientious
CO5	To articulate these values in error-free English
	HISTORY OF ART & ARCHITECTURE II THEORY CORE
CO1	To Remember the key periods, styles, movements, significant artists, architects, and their major works from different eras in the history of art and architecture.
CO2	To Apply knowledge of art history to analyse and interpret specific artworks and architectural structures.
CO3	To Evaluate the impact of specific artists, architects, or movements on the development of artistic styles.
CO4	Analyse and differentiate between various architectural styles in India.
CO5	To Explain the historical context, cultural influences, and evolution of interior design styles and furniture styles across various periods.
	ENGINEERING GRAPHICS & ARCHITECTURAL DRAWING (PRACTICAL)
CO1	To understand the fundamental techniques of concept sketches, design development sketches, presentation sketches, presentation renderings and architectural drawing.
CO2	To develop appropriate skills for visualization and representation of architectural drawings.

CO3	To analyse information from various sources to develop innovative solutions in technical drawings.
CO4	To create floor plans, elevations, sections and different drawings for different building types, considering functional and aesthetic requirements.
CO5	To apply principles of dimensioning, including tolerances to convey essential information for manufacturing and construction.
CO6	To evaluate the impact of architectural drawings on the construction process.
	VECTOR IMAGE EDITING PRACTICAL COMPLIM. 4 5
CO1	To remember fundamental tools and features of vector image editing software (Adobe Illustrator) which help the students to work with vectors.
CO2	To evaluate the impact of vector editing choices on the overall quality of the final design.
CO3	To create intricate vector illustrations by combining multiple techniques and effects using adobe illustrator.
CO4	To assess the efficiency and effectiveness of vector editing techniques for achieving specific design goals.
CO5	To Apply vector image editing skills to solve design challenges and create innovative solutions.
	DESIGN WITH TYPE PRACTICAL CORE
CO1	explore and utilize a diverse range of typographic principles and theories through various print related applications.
CO2	To understand the principles of effective typography and its impact on visual communication.
CO3	To Apply typography principles to create visually appealing and readable designs for brandings, Product designs etc...
CO4	To analyse the role of typography in different product categories, identifying trends and best practices.
CO5	To Create innovative design solutions that seamlessly convey a brand's identity through the thoughtful application of typography, showcasing a perfect blend of creativity and functionality that not only capture attention but also serve practical purposes.
	INTERIOR DESIGN STUDIO I PRACTICAL CORE
CO1	Understand the potential impact of interior design on human well-being and the built environment.

CO2	Develop skills for designing interior spaces with emphasis on transformation and adaptive re-use as one of the important aspects in interior design
CO3	Apply anthropometric principles and spatial analysis techniques to the design of simple household items, spaces, buildings, and furniture to enhance the aesthetic and functional qualities of interior spaces, considering user comfort, accessibility, and safety.
CO4	Assess the scope of combining arts and crafts with the concepts of interior design.
CO5	Enhance technical drafting skills, including floor plans, elevations, sections, and details, using both traditional and digital tools.
CO6	Create interior design solutions that respond effectively to client needs and project requirements with creativity, functionality, and a deep understanding of user experience.
	MATERIAL CULTURE I THEORY CORE 4 5
CO1	To understand the information on the properties, management, specifications, use, application and costs of the materials used in the interiors.
CO2	To evaluate the effectiveness applying different materials in achieving specific design and constructive goals.
CO3	To analyse physical and behavioural properties, application technology and uses of different materials in built forms.
CO4	To Evaluate the environmental impact of materials and explore sustainable alternatives.
CO5	To apply knowledge of materials to Explore new and innovative materials and technologies that may impact the future of construction.
CO6	To create criteria for selecting construction materials based on project requirements, cost, durability, and environmental impact.
	AUTOCAD I PRACTICAL CPORE
CO1	To understand the various methods of drawing, drafting and design with the technological implication of 2D design using Autodesk AutoCAD.
CO2	To apply AutoCAD software to produce and modify technical drawings, demonstrating proficiency in digital drafting.
CO3	To apply basic drawing commands to create 2D drawings.
CO4	To Evaluate different elements such as text, dimension, annotation etc… to enhance the clarity and communicative value of drawings.

CO5	To create accurate and professional two-dimensional drawings of interior layouts and architectural designs with the help of computer.
CO6	Synthesize drawing elements into a cohesive and professional 2D drawing.
	CREATIVE PAINTING PRACTICAL COMPLIM.
CO1	To understand the basic concepts of painting.
CO2	To Create new styles and techniques.
CO3	To evaluate the overall impression of the compositions.
CO4	To develop new creative ideas and concept in painting.
CO5	To Create new ideas to improve the problem-solving skills.
CO6	To Communicate complex ideas through the language of visual art.
	ENVIRONMENTAL ART & STILL IMAGES BASICS
CO1	Understand still image basics to capture visually compelling photographs or images.
CO2	aware of the way they interact with their surroundings and to empower them respond to their experiences through artistic means.
CO3	Apply environmental art concepts to create artworks that respond to and interact with the natural environment.
CO4	evaluate the Integration of still images taken at specific sites into the overall environmental art narrative.
CO5	Create an environmental art project that integrate various materials, textures, and elements from the natural environment.
	CREATIVE PAINTING PRACTICAL COMPLIM.
CO1	To understand the basic concepts of painting.
CO2	To Create new styles and techniques.
CO3	To evaluate the overall impression of the compositions.
CO4	To develop new creative ideas and concept in painting.

CO5	To Create new ideas to improve the problem-solving skills.
CO6	To Communicate complex ideas through the language of visual art.
	MATERIAL CULTURE II THEORY CORE
CO1	To understand the application process and methods of materials for achieving specific goals and different needs.
CO2	Assess the needs and uses of naturally available materials and man-made materials for construction.
CO3	Develop skills in generating ideas to complete socially relevant, environmentally friendly and sustainable constructions.
CO4	To enhance decision-making skills in selecting appropriate materials for successful completion of interiors considering its sustainable and functional needs.
CO5	To Apply knowledge of materials to estimate costs that meets the financial needs of the project.
	Interior Services I Theory Core
CO1	To Understand various methods of interior construction and to integrate this knowledge with the interior design techniques.
CO2	To apply various methods of interior construction and interior design techniques to create Aesthetic and functional interiors in construction of different built forms such as Residence, Auditorium, Theatre, Offices etc…
CO3	To Develop project management skills, including effective communication and time management.
CO4	To create the ability to present design concepts and ideas clearly and persuasively.
CO5	To Evaluate the needs of Acoustics, lighting and vision, wiring system and fire protection in built forms.
	Creative Sculpture
CO1	To understand various sculpting concepts, terms, sculpting materials and techniques.
CO2	To apply various materials sculpting techniques to create works of art.
CO3	To analyse various clay modelling techniques and its use in industrial applications.
CO4	Evaluate ways of responding to issues of social relevance through works of art.

CO5	To create sculpting works of art with by combining different sculpting aspects which is also conveying the artistic intent.
CO6	To Develop a unique artistic style in sculpture.
	AutoCAD II
CO1	To Understand the principles of three-dimensional modelling and their application in AutoCAD
CO2	To evaluate the effectiveness of different visualization methods for conveying design intent.
CO3	To visualise and create detailed 3D models of interior spaces and buildings, allowing students to visualize and communicate design concepts effectively with the technological implication of AutoCAD software.
CO4	To enhance skills to solve real-world design problems using AutoCAD 3D modelling tools.
CO5	To Develop the ability to integrate 3D models into larger design projects
C06	To Explore innovative approaches to 3D modelling to enhance creativity and design flair.
	Dimensional Design I
CO1	To understand the technological implication of 3D design with Autodesk 3D Max.
CO2	To evaluate the efficiency and appropriateness of different modelling and texturing techniques.
CO3	To apply problem-solving skills to overcome common issues encountered during the 3D design process.
CO4	To Create 3D models of interior spaces, allowing students to visualize and present their ideas with realistic renderings in Autodesk 3D Max.
CO5	To develop creative skills to solve design challenges and create innovative solutions
	Environmental Studies And Human Rights (Theory)
CO1	To understand how decisions and actions of students affect the environment
CO2	To create knowledge and skills necessary to address complex environmental issues
CO3	To evaluate actions that keep our environment healthy and sustainable for the future.

CO4	To evaluate the social justice implications of environmental and human rights initiatives.
CO5	To analyse the effectiveness of community engagement and advocacy efforts in promoting environmental sustainability and human rights.
CO6	To apply critical thinking skills to analyse case studies illustrating the relationship between environmental challenges and human rights
	Interior Services II Theory Core
CO1	To understand the basic principles and fundamental aspects of interior services.
CO2	To apply problem-solving skills to address challenges encountered in interior design projects.
CO3	To evaluate the basic needs of Sanitation, water supply, rain water harvesting, vertical transportation etc. in buildings
CO4	To analyse the impact of applying different functional services in built forms
CO5	To Develop solutions for optimizing space and functionality in diverse interior settings
	Dimensional Design II Practical Complim.
CO1	To understand the advanced areas of rendering and practice global illumination with Autodesk 3D Max.
CO2	To evaluate the success of 3D design projects based on specified criteria.
CO3	Experiment with advanced features in 3ds Max to explore innovative approaches to 3D design.
CO4	To Assess the effectiveness of different lighting, rendering and modelling options in conveying the intended mood and design concepts
CO5	To create realistic interior scenes and 3D walkthroughs using 3DMax and combine various 3ds Max features
	Interior Design Studio II Practical Core
CO1	To apply art & craft of our own Indian culture to the design process to create thematic and impressive interior spaces
CO2	Demonstrate proficiency in evolving initial design ideas into comprehensive and detailed interior design solutions
CO3	To Create thematic and functionally efficient spaces using art and craft forms

CO4	To create solutions for design problems by attempting it from different perspectives
CO5	To design visually pleasing and functionally efficient interiors of resident and commercial projects.
CO6	Develop skills in presenting design concepts, addressing questions, and explaining design decisions.
	"Open Course **Brand Management" E**
CO1	Understand the fundamental concepts related to branding in a business
CO2	Analyse various methods to create and maintain a consistent brand identity using case studies
CO3	Understand the legal and ethical aspects of brand management, including trademark issues and brand protection.
CO4	Analyse and measure the factors contributing brand equity
CO5	Understand and analyse the challenges and opportunities of extending a brand in a business
	Internship OJT
CO1	To understand nature, function and challenges of the industry in which the internship was done
CO2	To Apply theoretical knowledge gained in the academic setting to real-world situations
CO3	To evaluate personal strengths, weaknesses, and areas for improvement, both professionally and personally.
CO4	To enhance technical and technological skills relevant to the industry
CO5	To gain insights into the specific industry, company culture, and potential career paths within the field.
CO6	To create ability to work effectively in a team environment, fostering collaboration and communication with colleagues, while also effectively managing time and prioritizing tasks to meet deadlines and achieve project goals.
	Interior Design Project Project Core
CO1	Design spaces that are not only beautiful but also functional and efficient for the intended use.
CO2	To create an interior design project, meeting all phases of the design process, and presenting the completed project along with all supporting components.

CO3	To evaluate their own design project focusing on each student's personal design vision.
CO4	To analyse various furniture, materials, lighting, furnishings, concepts, colour schemes and accents that will give completeness to their interior composition
CO5	To evaluate their ability to integrate theoretical knowledge with practical skills, fostering a holistic understanding of interior design concepts and practices.
CO6	Acquire skills in solving real world problems and project planning, including the development of realistic timelines and milestones for the completion of different phases of the interior design project.
	Painting /Creative Design Project Complim.
CO1	To understand the application process and methods of materials for achieving specific goals and different needs.
CO2	Assess the needs and uses of naturally available materials and man-made materials for construction.
CO3	Develop skills in generating ideas to complete socially relevant, environmentally friendly and sustainable constructions.
CO4	To enhance decision-making skills in selecting appropriate materials for successful completion of interiors considering its sustainable and functional needs.
CO5	To Apply knowledge of materials to estimate costs that meets the financial needs of the project.
	Creative Sculpture Project Core
CO1	To understand how sculptures fit into broader design concepts or specific environments, considering the impact of scale, placement, and interaction with other elements.
CO2	To evaluate how to prepare sculptures for presentation and exhibition, including considerations for lighting, pedestals, and spatial arrangement
CO3	To analyse the methods to craft sculpture conveying the core concept of design project and communicate the artistic intent
CO4	To invent new ideas that demonstrates the basic concept of sculpture making
CO5	Create sculptures that communicate the thematic aspects of design to achieve specific design needs by combining various sculptural methods, creative ideas, and design project concepts.
	Architectural Model Making Project
CO1	To understand the aspects of applying different materials to complete the realistic construction of models

CO2	To Evaluate various methods of constructing miniatures and architectural models
CO3	To analyse methods of representing contextual elements of a design, such as landscaping and site features, in the model.
CO4	To construct miniatures and architectural models that communicates his/her design ideas and concepts effectively
CO5	To develop skill to present architectural models in a visually compelling and effective manner, considering lighting, framing, and overall aesthetics.
	Demo Reel Presentation Project Complim.
CO1	To Understand how demo reels influences student's career tracks and job interviews
CO2	To present his/her demo reel which is a culmination of their original works or of their area of expertise
CO3	To Evaluate the importance of self-promotion
CO4	To Create a visually cohesive portfolio through consistent design elements, colour schemes, and typography that also showcase the design skills, creativity, strengths, knowledge, industry interactions of student.
CO5	Enhance verbal communication skills for presenting the portfolio in interviews or professional settings.

BCA POs AND COs

BCA POs

PO1	To acquire knowledge of computing and application of IT
PO2	To understand and apply the principles of computing to solve a problem-business or otherwise
PO3	Analyze and recommend solutions using IT tools.
PO4	Demonstrate the basic competencies in using contemporary ICT, automation and analytical tools appropriate to one's chosen domain
PO5	Demonstrate oral and written communication using matching IT tools that can convince a person of one's point of view.
PO6	To cultivate leadership, entrepreneurial or Intrapreneurial competencies so solve real-world problems.
PO7	In a case context demonstrate competency to solve problems in a socially responsible, ethical and sustainable manner.
PO8	Demonstrate willingness to build and invest in pursuing holistic goals, continuous learning and career growth
PSO1	To apply acquire and apply competences in select sub-domain in IT such as Python, cloud computing
PSO2	Gain basic proficiency in use of AI

BCA COs

	Fine-tune Your English
CO1	To assimilate ideas related to passive skills of English (listening and reading)
CO2	To confidently help learners use English in both written and spoken forms
CO3	To help learners use English for formal communication effectively
CO4	To femiliarise learners with nuances related to creative writing forms(viz. letter writing, essays, reviews, conversations)
	Discrete Mathematics I
CO1	Develop scientific ability
CO2	Critically evaluate mathematical problems
CO3	To have fundamental touch with logical operations
CO4	To know about basic application of mathematics in programming
CO5	To be prepared for advanced software studies

	Basic Statistics and Introductory Probability Theory
CO1	Develop scientific ability.
CO2	Critically evaluate statistical problems.
CO3	Basic application of probability theory.
CO4	Analysis of data using basic statistical tools.
CO5	To be prepared for advanced software studies.
	Computer Fundamentals and Digital Principles
CO1	Student will be able to identify the components of a personal computer system Student will be able to demonstrate mouse and keyboard functions.
CO2	The students will be able to compare operating systems, Introduce data communications and Explore the Internet, web resources and their use.
CO3	The students will be able to study Perform number conversions from one system to another system.
CO4	The students will be able to study Identify the logic gates and their functionality. Design of logical circuits using universal gates and basic gates. Reduction of Boolean function using K-maps.
CO5	The students will be able to Design combinational circuits using different types of flip-flops.
	Methodology of Programming and C Language
CO1	To develop programming skills using the fundamentals and basics of C language.
CO2	To develop knowledge in problem solving like algorithms and flowcharts and to develop C programs using operators
CO3	To familiarize advantages of decision making and looping which provides flexibility for application development.
CO4	To impart the knowledge about pointers, arrays and structures.
CO5	To develop C programs using user defined functions and dynamic memory allocation.
	Software Lab I (Core)- C Lab
CO1	Familiarizing students with the fundamentals of programming, including algorithms, data types, variables, and control structures.
CO2	To Understand semantics, and features of the C programming language, such as variables, data types, operators, expressions, and statements.
CO3	To develop C programs using functions, parameter passing, return types, function prototypes, and the concept of modular programming for code reusability and organization.
CO4	To develop C programs using control Structures such as if-else, switch-case, loops (while, for, do-while), and their appropriate usage in writing efficient programs.
CO5	To develop C programs using user defined functions and dynamic memory allocation.

	Issues That Matter English- II
CO1	To identify major issues of contemporary significance
CO2	To respond rationally and positively to the issues raised
CO3	To internalize the values imparted through the experts
CO4	To reorient himself/ herself as continues , conscious, concerned and conscientious
CO5	To articulate these values in error-free English
	Discrete Mathematics II
CO1	Develop scientific ability
CO2	Critically evaluate mathematical problems
CO3	To have fundamental touch with logical operations
CO4	To know about basic application of mathematics in programming
CO5	To be prepared for advanced software studies
	Data Base Management Systems
CO1	To Summarize and exemplify fundamental nature and characteristics of database systems
CO2	Model real world scenarios given as informal descriptions, using Entity Relationship diagrams.
CO3	Model and design solutions for efficiently representing and querying data using relational model
CO4	To familiarize Normalization and Indexing Structures for Files
CO5	To understand the aspects of Concurrency Control and Recovery in Database
	Computer Organization and Architecture
CO1	To understand the structure, function and characteristics of computer systems.
CO2	To identify the elements of modern instruction sets and their impact on processor design.
CO3	To explain the function of each element of a memory hierarchy.
CO4	To understand how computations are actually performed at parallel processing.
CO5	To Design the Pipelining and vector processing Concept for a given set of Instructions .
	Object oriented programming using C++
CO1	To Provide a solid understanding of OOP principles such as encapsulation, inheritance, polymorphism, and abstraction. And to write a basic c++ program using functions
CO2	To create a c++ programs using the classes and objects.
CO3	To enable students to comprehend and apply the concepts of constructors, destructors, and function overloading in C++ programming, facilitating the creation of efficient, reusable, and organized code structures.

CO4	To familiarize students with the concept of inheritance in C++, enabling them to understand its implementation, advantages, and usage in building hierarchical class structures.
CO5	To introduce students to advanced concepts in C++ programming including pointers, virtual functions, polymorphism, and file handling
	Software Lab- II- C++ and DBMS
CO1	Object-Oriented Programming (OOP): Emphasize the principles of OOP in C++, covering concepts such as classes, objects, inheritance, polymorphism, and encapsulation.
CO2	File Handling and Input/Output Operations: Teach file handling techniques and input/output operations in C++, covering reading from and writing to files, stream manipulators, and error handling.
CO3	Exception Handling: Cover exception handling mechanisms in C++, enabling students to handle and manage exceptional situations in their programs effectively.
CO4	To Introduce students to RDBMS concepts, focusing on SQL (Structured Query Language) for database creation, querying, modification, and deletion.
CO5	To understand join and view in DBMS.
	Advanced Statistical Methods
CO1	Develop scientific ability.
CO2	Critically evaluate statistical problems.
CO3	Advance application of probability theory.
CO4	Analysis of data using advanced statistical techniques.
CO5	To be prepared for advanced software studies.
	Computer Graphics
CO1	Understand the working of different display systems
CO2	Understand the basic principles of implementing computer graphics primitives
CO3	Use of geometric transformations on graphic objects and their application in composite form
CO4	Extract scene with different clipping methods and its transformation to graphics display device
CO5	Explore projections and visible surface detection techniques for display of 3D scene on 2D screen
CO6	Understand the basics of computer animation and animation language
	Microprocessor and PC Hardware
CO1	To understand the fundamentals and architecture of 8085.
CO2	To impart the knowledge about instruction set of 8085 for Assembly language programming
CO3	To familiarize PC hardware, working of motherboard, hard disk.

CO4	To develop knowledge in memory management in Computer.
	Operating Systems
CO1	The relevance, structure and functions of Operating Systems in computing devices and exemplify the communication between application programs and hardware devices through system calls.
CO2	The students will be able compare and illustrate various process scheduling algorithms.
CO3	The students will be able compare and illustrate various , Semaphores and Monitors.
CO4	The students will be able to study memory management algorithms in Operating Systems.
CO5	The students will be able to study disk scheduling algorithms
	Data Structure using C++
CO1	To Impart the basic concept of data structures and algorithms
CO2	To understand concepts about searching and sorting techniques
CO3	To understand basic concepts about linked list
CO4	To understand the concepts of trees
	Software Lab III
CO1	Discuss the provisions in C++ or to organize and manipulate data structue using array
CO2	Understand stack and queue executions in terms of C++ derived data types
CO3	Apply the concepts of dynamic memory allocation for the formation of linked list and for garbage collection
CO4	Apply tree terminology for data manipulations
	Operational Research
CO1	Develop scientific ability.
CO2	Critically evaluate decision making problems.
CO3	Basic application of logical reasoning.
CO4	Analysis of resource allocation using mathematical techniques.
CO5	To be prepared for advanced software studies.
	Design and Analysis of Algorithms
CO1	Analyze any given algorithm and express its time and space complexities in asymptotic notations.
CO2	To discuss Divide and Conquer Design Strategies with proper illustrative examples.
CO3	Solve Optimization problems using Greedy strategy.
CO4	To discuss Dynamic programming method Strategies with proper illustrative examples.
CO5	To Design algorithms using Backtracking

	System Analysis & Software Engineering
CO1	To understand the life cycle of a software development project.
CO2	To understand the analysis and development techniques required as a team member of a medium-scale information systems development project.
CO3	To understand the ways in which an analyst's interaction with system sponsors and users play a part in information systems development.
CO4	Experience in developing systems project documentation and testing.
	Linux Administration
CO1	Explain Fundamental Concepts of Open source Operating System Linux
CO2	Understand the basic set of commands and editors in Linux Operating System
CO3	Discuss Shell Programming in Linux operating system
CO4	Demonstrate the role and responsibilities of a linux system administrator
CO5	Distinguish various filter and server commands
	Web Programming using PHP
CO1	To create web pages using HTML.
CO2	To create a complete website using HTML and CSS.
CO3	To implement programming logic in web design using JavaScript.
CO4	To understand to perform form handling using PHP
CO5	Connection of PHP web application with MySQL database.
	Software Lab IV
CO1	Web Development Basics: Introduce students to web development concepts such as HTML, CSS, and JavaScript, complementing PHP to create dynamic and interactive web pages.
CO2	Database Integration: Teach database connectivity and manipulation using PHP with MySQL or other database systems, covering CRUD operations (Create, Read, Update, Delete).
CO3	Command Line Proficiency: Familiarize students with essential command-line tools and commands for system navigation, file manipulation, user management, and process control.
CO4	Shell Scripting: Introduce scripting in Linux using bash or other shell scripting languages for automating tasks, system administration, and creating efficient workflows.
CO5	To develop C programs using user defined functions and dynamic memory allocation.