



URAN EDUCATION SOCIETY'S COLLEGE OF MANAGEMENT AND TECHNOLOGY

[Affiliated to Mumbai University]

(Recognised by Maharashtra Government)

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2.6.1: Program Outcomes and Course Outcomes for all programmes offered by the Institution are stated and displayed on the website and attainment of POs and COs are evaluated

Uran Education Society's College of Management and Technology follows the outcome based education as per the guidance of UGC. The IQAC guides the entire process of designing PO, PSO and CO. In order to abide by the objectives of Outcome Based Education, the Program Outcome, Program Specific Outcome and Course Outcome offered by an institute are framed with consultation of all the faculty members and stakeholders. The affiliating university also defines certain POs and COs for certain programs. The Institute defines a particular outcome taking the graduation attributes into consideration.

The Course Outcome shows the knowledge and practicality students will acquire at the end of a particular course. The COs are carefully designed as per the programs being offered. The course outcomes are prepared at the start of a semester and also uploaded on the college website. The subject teacher also maintains the teaching plan helpful to attain a specific course outcome.

The first three lectures are specifically meant to deliver the Program Outcome and Course outcome to the students. Similarly, the Program Outcome imbibes an overall knowledge with all aspects related to a program. The Program Outcomes are prepared by the Head of Departments and are also delivered to the learners. Every faculty member understands the concept of Outcome based education and tries to keep with the same.

Program Outcomes and Course Outcomes are communicated to students and teachers in the following ways:

i. soft copy of the syllabus and POs & COs are uploaded on the College Website: In the department page www.uescmt.com

ii. Hard copies of syllabus and learning outcomes are available in department files for reference of teachers and students.

iii. The students are made aware of the syllabus and other learning outcomes at the time of the Induction programme conducted at the beginning of the college.

iv. The importance of POs and COs are communicated to teachers in the department meetings by the Head of Departments at the starting of each semester. At the beginning of course students are made aware of that course by the course teachers.



Menatsh.

I/C Principal

Uran Education Society's College of
Management and Technology

**URAN EDUCATION SOCIETY'S COLLEGE OF MANAGEMENT AND
TECHNOLOGY**



(Affiliated to the University of Mumbai)

**PROGRAMME OUTCOMES, PROGRAMME SPECIFIC OUTCOMES AND
COURSE OUTCOMES**

(The college is affiliated to the University of Mumbai thus, it follows the Curriculum framed
by the Board of Studies, University of Mumbai)



Minakshi

**I/C Principal
Uran Education Society's College of
Management and Technology**

CONTENTS

Sr. No	Particulars
1	Bachelor of Science (Information Technology) – Programme Outcome
2	Bachelor of Commerce – Programme Outcome
3	Bachelor of Science (Information Technology) – Programme Specific Outcome
4	Bachelor of Commerce – Programme Specific Outcome
5	Bachelor of Science (Information Technology)- Course Outcome: F.Y.BSc.IT
6	Bachelor of Science (Information Technology)- Course Outcome: S.Y.BSc.IT
7	Bachelor of Science (Information Technology)- Course Outcome: T.Y.BSc.IT
8	Bachelor of Commerce –Course Outcome: F.Y.B.COM
9	Bachelor of Commerce – Course Outcome: S.Y.B.COM
10	Bachelor of Commerce – Course Outcome: T.Y.B.COM



BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

PROGRAMME OUTCOME

The Department of Information Technology (B. Sc. I.T.) is dedicated to promote learning the various subjects and technologies to students in the field of Information Technology.

Bachelor of Science, (B.Sc.IT) is a Bachelor's degree awarded for an undergraduate course or program in the Information technology field of duration three years (6 semesters). The aim of B.Sc.(IT) degree is to provide basic inputs in various aspects of IT and broad understanding of other interdisciplinary interfaces for providing the needs of effective business management by bridging the gaps between managerial practices and Information Technology.

The learning outcomes of the programme is as follows:

- PO-1:** To acquire knowledge about multiple programming languages, paradigms and technologies.
- PO-2:** To imbibe professional skills in students for their future roles.
- PO-3:** Develop their personalities along with commercial, communication, research, analytical and managerial skills in practical and theoretical concepts in Information Technology.
- PO- 4:** Prepare necessary knowledge base for potential research and development in Information Technology.
- PO- 5:** Train in leadership skills and social responsibilities with sensitivity towards environment and sustainability.
- PO-6:** Able to build-up a successful career in Information Technology and allied fields.



BACHELOR OF COMMERCE PROGRAMME OUTCOMES

This Programme will-

PO1 - Provide learners to get theoretical as well as practical exposure in the various sectors of commerce like- Accounts, Marketing, Commerce, Economics, Business Law, Management, and Environment etc.

PO2 - Harness entrepreneurial skills amongst students.

PO3 - Enhances communication skills, Personality Development and increases confidence to face the Corporate world.

PO4 - Develop various managerial and accounting skills for better professional decisions and opportunities.

PO5 - Facilitates decision making in all eras of life- Personal and Professional.

PO6 - Make learners industry Ready.

PO7 - Conceptual knowledge of all functions of a business.

PO8 - Get an opportunity to study multidimensional aspects of business including advertising, costing, business communication, marketing research etc.

PO9 - Enable to identify and choose appropriate field for personal Career Planning and Career Development.

PO10 - Thorough understanding of the fundamentals in Commerce and Finance.



BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)
PROGRAMME SPECIFIC OUTCOMES

After completion of 3 years' degree course of B.Sc. Information Technology program, the students are expected to:

PSO1: To develop an ability to communicate effectively using written and oral presentation skills of Information Technology for a wide range of audiences.

PSO2: To utilize their designing and programming skills in various sectors.

PSO3: To develop their practical experience in real world software, using recent industry standard tools and other techniques in the IT industry.

PSO4: To develop the ability to design, simulate and implement computer hardware/ software and use basic analog/digital circuits.

PSO5: To develop and analyze quality computer applications by applying knowledge of software engineering, algorithms, programming, databases and networking.



BACHELOR OF COMMERCE PROGRAMME SPECIFIC OUTCOMES

PSO1 - The students will be able to understand the basic concepts and Principles of Final Accounts of business units- Manufacturing Unit, Partnership Firms, Limited Liability Partnership and Private Limited Companies.

PSO2 - The students will be able to make themselves ready for various Managerial positions in different sectors like- Accounting and Finance, Company Secretary, Charter Accountant, Banking Sectors, Education Sector, Auditing, Stock Agents, and Government Employment etc.

PSO3 - The students will be able to understand the concepts of Indian Accounting Standards, Consignment Account, Single Entry & Double entry System, Fire Insurance Claims, Departmental Accounting, Hire Purchase Accounting, Branch Accounting, Amalgamation of Firms, Piecemeal Distribution of Cash, Conversion of Partnership Firms into Limited Company, Issue and Redemption of Shares and Debentures, Personal Investment Accounting, Treatment of Profit Prior to Incorporation, Accounting of transactions involving Foreign currency and statement of underwriters liability.

PSO4 - The students will be able to know the basics of Management Accounting & Auditing including Financial Statement Analysis, Ratio Analysis, Cost Allocation and Performance Evaluation, and Budgetary Control.

PSO4 - The students will be able to know the basic concepts of Cost accounting including Material, Labour and Overhead Costing.

PSO5 - The students will be able to know Product Planning and Pricing Decisions for Export Marketing, Export Distribution and Promotion, Export Finance, Export Procedure and Documentation.



BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

COURSE OUTCOMES

F.Y.B.Sc.IT

FIRST SEMESTER

Course Title	PROGRAMMING PRINCIPLES WITH C
Course Code	USIT101
Credits	2
Course Objectives	<ul style="list-style-type: none">● To develop the logical ability of the student.● To clear the basic concepts using various examples.● To understand the different approaches towards the problems.● To solve the errors and find suitable solutions for programmes.● To debug the code.
Course Outcome	<ul style="list-style-type: none">● To understand the basic concepts of C, flowcharts, pseudo code, programming languages and problem solving techniques.● To develop programming skills using operators, fundamentals and basics of C++ languages, looping techniques etc.● To effectively use the concepts of functions file handling and error handling concepts.● To understand the basics of functions, arrays, structures, pointers.● To understand input and output functions using standard programming techniques and Turbo C compiler.

Course Title	DIGITAL LOGIC AND APPLICATIONS
Course Code	USIT102
Credits	2
Course Objectives	<ul style="list-style-type: none">● To introduce the basic knowledge of logics in digital electronics.● To interpret and assess number systems and the conversions of number systems.● To analyze the boolean expressions and reduce the expression to the minimum● To simply design logic circuits using tools such as Karnaugh Map, Boolean Algebra etc.● To understand types of memory and flip-flops and also to create simple digital systems using counters, registers etc.



Course Outcome	<ul style="list-style-type: none"> ● To understand and examine the structure of various number systems and its application in digital design using Logic Gates. ● To solve Boolean algebra expressions. ● To derive and design circuits by applying minimization in SOP and POS. ● To design and develop Combinational and Sequential circuits. ● To understand and develop digital applications.
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Course Title	FUNDAMENTALS OF DATABASE MANAGEMENT SYSTEMS
Course Code	USIT103
Credits	2
Course Objectives	<ul style="list-style-type: none"> ● To introduce the fundamentals of database management systems. ● To show how to organize, maintain and retrieve data from databases.
Course Outcome	<ul style="list-style-type: none"> ● To describe the fundamental elements of relational database management systems. ● To study and design the basic concepts of relational data model, ER-models to represent simple database application scenarios. ● To improve the database design by using normalization. ● Know the basic concepts and the applications of database systems and utilize the knowledge of basics of SQL and construct queries using SQL. ● To understand basic database storage structures and access techniques: file and page organizations, indexing methods and hashing.

Course Title	COMPUTATIONAL LOGIC AND DISCRETE STRUCTURES
Course Code	USIT104
Credits	2
Course Objectives	<ul style="list-style-type: none"> ● To study overview of discrete mathematics. ● To study topics such as logic and proofs, sets and functions etc. ● To inculcate study of graphs, trees and important concepts of counting techniques. ● To study probabilities
Course Outcome	<ul style="list-style-type: none"> ● To use logical notations, set theory using different Venn diagrams, and relations between different sets. ● To perform logical proofs, study cardinality, algorithms, functions and set of probabilities using sample space. ● To understand the basics of Counting principles, recursion techniques. ● Use of graphs and trees using different algorithms. ● To study the concepts of Binary trees, Huffman's Algorithm etc. and also Ordered Sets and Lattices using Hasse Diagrams.



Course Title	TECHNICAL COMMUNICATION SKILLS
Course Code	USIT105
Credits	2
Course Objectives	<ul style="list-style-type: none"> ● To study the importance of various types of communication in technical set up. ● To understand the importance of different forms of formal communication. ● To learn the art of giving presentations and interviews. ● To learn ethics of business communication across functional areas. ● To analyse and interpret technical data.
Course Outcome	<ul style="list-style-type: none"> ● Introduce aspects of communication essential for business communication using verbal and non-verbal techniques. ● Train learners in written aspects of organizational communication i.e., business messages and documents requisite for career building. ● To enhance learners' oral communication and prepare them for business interviews and professional group communication. ● To familiarize them with specific communication needs of an organization and learn the art of written communication in writing reports and proposals. ● To enable use of ICT and communication aids using graphs, maps and charts.

SECOND SEMESTER

Course Title	OBJECT ORIENTED PROGRAMMING WITH C++
Course Code	USIT201
Credits	2
Course Objectives	<ul style="list-style-type: none"> ● Able to explain the difference between Object Oriented Programming and Procedural Programming. ● Able to program using more advanced C++ features such Polymorphism, Inheritance, Exception handling etc. ● To study encapsulation and design different principles. ● To study concepts of programmes using Turbo C.
Course Outcome	<ul style="list-style-type: none"> ● To study the concepts of POP and OOP, features of C++ language. ● Build C++ application programs using OOP principles and proper program structuring and understand and apply various types of data types, operators etc. ● Demonstrate the concepts of classes and objects, polymorphism. ● Implement Inheritance and learn code reusability. ● Design Templates and File Handling and explore various Stream classes, I/O operations and Exception handling.



Course Title	FUNDAMENTALS OF MICROPROCESSOR AND MICROCONTROLLERS
Course Code	USIT202
Credits	2
Course Objectives	<ul style="list-style-type: none"> ● To understand the basic concepts of microprocessor, microcomputer systems. ● To understand the concept of 8085 microprocessors. ● To write code and Assembly language programs of 8085. ● To study the concept of programming techniques: looping, counting, indexing, stack, routine etc. ● To understand the peripheral devices and interfacing to 8085 microcontroller.
Course Outcome	<ul style="list-style-type: none"> ● To understand 8085 Microprocessor Architecture, external pin diagram and pin functions of 8085 and also to understand the difference between microprocessor and CPU. Know testing and troubleshooting in memory interfacing circuits. ● To increase your proficiency in assembly language, to learn concepts associated with interfacing a microprocessor to memory and I/O devices ● To gain practical experience in programming, to study counters and delay programs, to understand how to control components of computer system through use of hardware and software interrupts ● To learn the concepts of embedded systems, memory and its types, watchdog timer and programming in C. ● To understand 8051 Microcontroller, design and development.

Course Title	WEB APPLICATIONS DEVELOPMENT
Course Code	USIT203
Credits	2
Course Objectives	<ul style="list-style-type: none"> ● To understand the basic concepts of the Internet and World Wide Web. ● To study different HTML elements used to develop static web pages. ● To study stylesheets and various CSS effects. ● To explore JavaScript and server-side script. ● To learn how PHP can be connected to a database to store and retrieve data.
Course Outcome	<ul style="list-style-type: none"> ● To understand various terminologies of the Internet, simple application of HTML5 and CSS. ● To design web pages using advanced HTML5 ● To design dynamic web pages using JavaScript. ● To develop simple, responsive web pages using PHP ● To build web pages using PHP & MySQL



Course Title	NUMERICAL METHODS
Course Code	USIT204
Credits	2
Course Objectives	<ul style="list-style-type: none"> ● To enhance the problem solving skills of students using extremely powerful numerical methods.
Course Outcome	<ul style="list-style-type: none"> ● To understand various Engineering problems, various types of errors which occur in real life and representation of any function as a series of non-linear coefficients. ● Determine the roots of any polynomial and also estimate the future as well as intermediate value depending on the prerequisite values (Past values) ● Determine the solution of multiple equations and Integrate any linear or nonlinear functions within the given intervals. ● Prediction of the future values depending on the present as well as past values and also to optimise the given situation. ● Mapping of a given event into another domain and understand various types distribution to be used in probability

Course Title	GREEN IT
Course Code	USIT205
Credits	2
Course Objectives	<ul style="list-style-type: none"> ● To understand the concept of Green Technology, Green IT and different standards. ● To understand the concept of minimizing power utilization in technology. ● To know about Green PC's, Green notebooks and servers. ● To know the concept of Recycling. ● To understand metrics of Green IT.
Course Outcome	<ul style="list-style-type: none"> ● Understand the relation and impact of environmental perspectives and IT. Use and give an account of standards and certifications related to sustainable IT products ● Use methods and tools to measure energy consumption. ● Evaluate effectiveness of IT use in relation to environmental perspectives ● How can the choice of hardware and software facilitate a more sustainable operation? ● To understand the concept of Recycling and to know how information systems can stay Green Information System.



S.Y.B.Sc.I.T

THIRD SEMESTER

Course Title	PYTHON PROGRAMMING
Course Code	USIT301
Credits	2
Course Objectives	<ul style="list-style-type: none">● To learn the new programming style.● To give the idea to the students how programming can be used for designing real-life applications by reading/writing to files, GUI programming, interfacing with databases.
Course Outcome	<ul style="list-style-type: none">● Able to develop small applications using basic concepts, values & expressions, various control & conditional statements and Looping.● To use and implement built-in functions and User defined Functions along with different string methods.● Able to use new data types such as Lists, Tuples and dictionaries, Create and handle Exceptions and how to deal with files.● Can create class and objects, Implement use of regular expression and multithreaded programming, import and export modules.● To develop GUI applications with database connectivity.

Course Title	DATA STRUCTURES
Course Code	USIT302
Credits	2
Course Objectives	<ul style="list-style-type: none">● To understand the concepts of Data Structures and concept of programming.● To provide a holistic approach to design, use and implement abstract data types.● To understand concepts of sorting and searching techniques.
Course Outcome	<ul style="list-style-type: none">● To develop a basic understanding of Data Structure.● To understand arrays, link lists, various types of queue, stack, tree and graph.● Linked List data structure can be used to store data in a non-linear form to effective utilization of memory. Linked list data structure can be used to solve problems like polynomial equations.● To apply various sorting and searching techniques on arrays and to create various types of trees and its applications like Huffman Algorithm, binary search tree etc.● Understand Hashing techniques including collision techniques and to study graphs and its different operations and its traversals.



Course Title	COMPUTER NETWORKS
Course Code	USIT303
Credits	2
Course Objectives	<ul style="list-style-type: none"> ● To conceptualize and understand the framework and working of communication networks ● To gain core knowledge of Network layer routing protocols and IP addressing.
Course Outcome	<ul style="list-style-type: none"> ● To recognize the purposes and association between the OSI layers, TCP/IP protocol suite, different types of signals and its mechanism of understanding each of them. ● To understand types of multiplexing schemes, transmission media and functions of data link layer. ● Identify the network devices working at various layers, media access layer and protocols. ● To implement switching, routing algorithms like RIP, OSPF etc. and addressing schemes. ● To decide the right client server protocols to be used in the real-life scenario.

Course Title	OPERATING SYSTEM
Course Code	USIT304
Credits	2
Course Objectives	<ul style="list-style-type: none"> ● To learn networking using computers. ● To study networks and topologies of networks. ● Study of analog and digital data ● To gain knowledge of routers
Course Outcome	<ul style="list-style-type: none"> ● To study various networks, topologies, standards and terminologies ● To study how various signals are used to transfer data from one network to another network. ● To configure IP address using static and dynamic I/P Protocol suite ● Study of TCP/IP protocol suite



Course Title	APPLIED MATHEMATICS
Course Code	USIT305
Credits	2
Course Objectives	<ul style="list-style-type: none"> ● To understand the mathematical concepts in matrices and transformation of matrices. ● To solve linear differential equations ● To understand Beta and Gamma functions and error functions.
Course Outcome	<ul style="list-style-type: none"> ● Matrices will help to calculate the various image transformations are done. ● Equation of First Order and second order differential Equation can describe exponential growth and decay, the population growth of species or the change in investment return over time. ● Implementation of Laplace Transformation will help to understand how various analog and digital signal conversions are done. ● Multiple Integration will help to calculate the surface area and volume of any real life objects. ● Error functions will help to calculate the accurate error from true and observed value.

FOURTH SEMESTER

Course Title	CORE JAVA
Course Code	USIT401
Credits	2
Course Objectives	<ul style="list-style-type: none"> ● To teach how to use Java Components, datatypes and operators ● To understand the concepts of classes, inheritance, array etc. ● To conceptualize multithreading, streams and event handling.
Course Outcome	<ul style="list-style-type: none"> ● To learn program structure and basic concepts of java ● To understand and apply OOP techniques to solve real world problems. ● To Use and create packages and interfaces in a Java program. ● To Implement Multithreading & exception handling techniques in java ● To Design GUI application using Abstract Windows Toolkit

Course Title	INTRODUCTION TO EMBEDDED SYSTEM
Course Code	USIT402
Credits	2



Course Objectives	<ul style="list-style-type: none"> ● To understand the concept and facts behind designing the embedded system using simulation.
Course Outcome	<ul style="list-style-type: none"> ● Understand the basic concepts of embedded systems ● Familiarise with characteristics and attributes of embedded systems, to understand memory and types of memory. ● Demonstrate knowledge and understanding hardware software code design techniques for microcontroller based embedded systems. ● Program microcontrollers in C using IDE and debugging techniques. ● Design, Development and planning of embedded systems based projects

Course Title	COMPUTER ORIENTED STATISTICAL TECHNIQUES
Course Code	USIT403
Credits	2
Course Objectives	<ul style="list-style-type: none"> ● To familiarize students with the basics of Statistics. ● To use an 'R' tool for solving complex programs.
Course Outcome	<ul style="list-style-type: none"> ● To learn techniques to calculate the measures of central tendency and different measures of dispersion. ● Understand the complementary relationship of skewness with measures of central tendency and dispersion in describing a set of data. ● To be able to infer information about a population from samples drawn from it. And also to make decisions about populations on the basis of sample information. ● To determine whether the difference between the observed and expected values is statistically significant. ● To learn techniques to correlate the relationship between various variables.

Course Title	SOFTWARE ENGINEERING
Course Code	USIT404
Credits	2
Course Objectives	<ul style="list-style-type: none"> ● To understand the concept of designing software. ● To understand the Software Development Life Cycle (SDLC) Phases ● To aware students about the software metrics and testing.



Course Outcome	<ul style="list-style-type: none"> ● To learn basic concepts related to requirement engineering, different software development models, and SRS documents. ● To understand types of critical systems and learn about system models. ● To design and manage the software, different software architectural styles. ● To Verify and validate software and to estimate the cost of software. ● To learn about process improvement and different types of software engineering
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Course Title	COMPUTER GRAPHICS AND ANIMATION
Course Code	USIT405
Credits	2
Course Objectives	<ul style="list-style-type: none"> ● To understand the hardware structure of Computer ● To understand picture representation in memory so that designing graphics objects becomes easy. ● To explore the ways of animation to add the same onto the created object.
Course Outcome	<ul style="list-style-type: none"> ● To provide an overview of the Computer Graphics field. To describe the important input & output graphics devices. To understand applications of Computer Graphics, different Scanning techniques. ● Develops theory of 2D, 3D transformation and describes various types of 2D, 3D transformation. ● Learning the basics of 3D Viewing & projections, basics of lights and color. ● Deals with different algorithms for removal of hidden lines and surfaces. It tells how to design and draws smooth curves and surfaces. ● Overviews of animation along with its types and techniques.



T.Y.B.Sc.IT

FIFTH SEMESTER

Course Title	SOFTWARE PROJECT MANAGEMENT
Course Code	USIT501
Credits	2
Course Objectives	<ul style="list-style-type: none">● To understand the pattern behind the project life cycle.● To know the variations in managing the software projects.
Course Outcome	<ul style="list-style-type: none">● To realise Project Management life cycle. To understand the various steps in Programme Management and Project Planning, nature of software development, SCRUM.● To calculate the Software Effort Estimation.● To do Project Planning and Risk assessment and understand the concepts and principles of software design. To think and analyse how Monitoring and Control can be implemented for various software projects.● To realize the importance of Working in Teams.

Course Title	INTERNET OF THINGS
Course Code	USIT502
Credits	2
Course Objectives	<ul style="list-style-type: none">● Able to design and develop IOT devices.● To make use of Embedded devices, sensors, actuators and microcontrollers.● To make use of ethics in characterizing the Internet of things.
Course Outcome	<ul style="list-style-type: none">● Understand the basic concepts of designing IOT devices and the Internet.● Understand how prototypes can be created and electronic components required for creating the prototype.● Understand prototyping the physical device and program on the device using online programming components and protocols● Know the various techniques for writing embedded program and different business models● Understand mass production of IOT devices and learn about Ethics for IOT



Course Title	ADVANCED WEB PROGRAMMING
Course Code	USIT503
Credits	2
Course Objectives	<ul style="list-style-type: none"> ● To understand how Microsoft framework architecture is designed. ● To design and develop console applications. ● To develop interactive and responsive web applications ● To understand the coding of remoting Interfaces
Course Outcome	<ul style="list-style-type: none"> ● Students will be able to create console applications using the basic concepts, expressions, various conditional statements and loops of C#. ● To use and implement ASP.NET From Fundamentals to design webforms. ● Students will be able to learn and implement the concepts of exception handling & State management. ● Students will be able to implement database drivers, and design web applications using ADO.NET. ● To develop web applications using XML & AJAX.

Course Title	ARTIFICIAL INTELLIGENCE
Course Code	USIT504
Credits	2
Course Objectives	<ul style="list-style-type: none"> ● Demonstrate knowledge of the building blocks of AI as presented in terms of intelligent agents. ● Formulate and solve problems using Bayesian approaches. ● Develop algorithms for constraint satisfaction problems. ● To attain the capability to represent various real life problem domains using logic based techniques and use this to perform inference or planning.
Course Outcome	<ul style="list-style-type: none"> ● To learn the basic concepts of AI, apply the concept of Natural Language processing to problems leading to understanding of cognitive computing. ● Analyse and formalize the problem as a state space, graph, design heuristics and select amongst different search or game based techniques to solve them. ● Design good evaluation functions and strategies for game playing. ● Understand the fundamentals of knowledge representation (logic-based, framebased, semantic nets), inference and theorem proving. Know how to build simple knowledge-based systems. ● Describe and implement several of the major approaches to classical planning, including planning graphs, POP, and propositionalization



Course Title	ENTERPRISE JAVA
Course Code	USIT505
Credits	2
Course Objectives	<ul style="list-style-type: none"> ● To access database through Java programs, using Java Database Connectivity (JDBC) ● To create dynamic web pages, using Servlets and JSP. ● To understand the multi-tier architecture of web-based enterprise applications using EJB and develops Stateful, Stateless and Entity Beans
Course Outcome	<ul style="list-style-type: none"> ● To understand the Basics of Java Programming language to achieve concurrency and multithreading for high performance ● To study the concepts of Request Dispatcher, Cookies, Sessions and File I/O ● Able to understand the concepts of Java Server Page, Expression Language and JSP Standard Tag Library. ● Enterprise Java Beans and Java Naming and Directory Interface and understand the basic principles of creating Java applications with graphical user interface and achieving networking capabilities. ● To understand the concept of Classes, object creation, exception handling mechanisms, reusability of classes etc.

SIXTH SEMESTER

Course Title	SOFTWARE QUALITY ASSURANCE
Course Code	USIT601
Credits	2
Course Objectives	<ul style="list-style-type: none"> ● To study the concepts of Software engineering processes, methods, activities and work items are monitored. ● To implement various test processes for quality improvement. ● To design test planning ● To apply the software testing techniques in commercial environment
Course Outcome	<ul style="list-style-type: none"> ● To understand the importance of Software Quality ● To understand the fundamentals of testing ● To compare different types of testing ● To analyse Software verification and Validation and V-test model ● To compare different levels of testing and various special tests



Course Title	SECURITY IN COMPUTING
Course Code	USIT602
Credits	2
Course Objectives	<ul style="list-style-type: none"> • To understand the principles and practices of cryptographic techniques • To understand, compare and apply different encryption and decryption techniques to solve problems related to confidentiality and authentication. • To apply the knowledge of cryptographic checksums
Course Outcome	<ul style="list-style-type: none"> • To learn the basics of ITSM, Life Cycle of ITSM and principles of Service Strategy • To understand fundamentals of service design, principles, processes and challenges faced during service design • Understand fundamentals of service transition, principles, processes and challenges faced during service transition • To learn fundamentals of service operations, principles, processes and challenges faced during service operation • To understand principles, process of Continual Service Improvement and implementation of Continual Service Improvement

Course Title	BUSINESS INTELLIGENCE
Course Code	USIT603
Credits	2
Course Objectives	<ul style="list-style-type: none"> • To study a broad category of applications and technologies for gathering, storing and analysing, sharing and providing access to data to help enterprise users make better managerial decisions. • To learn the principles and best practices for how to use data in order to support fact-based decision making.
Course Outcome	<ul style="list-style-type: none"> • To understand active forms of support for decision making based on the systematic adoption of mathematical models. • To understand applications of data mining and business intelligence in the fields like relational marketing, and models like salesforce planning. • To understand knowledge management and its different activities. • To create the phases of a data mining process and their objectives and the activities of data preparation. • To develop models using classification and clustering methods.



Course Title	PRINCIPLES OF GEOGRAPHIC INFORMATION SYSTEMS
Course Code	USIT604
Credits	2
Course Objectives	<ul style="list-style-type: none"> ● To describe various principles of GIS ● To introduce various analytical tools and explain raster data structures and concepts ● To understand various principles of geospatial data input
Course Outcome	<ul style="list-style-type: none"> ● To study Real world and its representation using GIS ● Understanding and managing data and Processing Systems ● Analyzing Spatial Referencing and Positioning, Analyzing Spatial data ● Implementing Maps using various reports ● Constructing and analysing maps based on particular area

Course Title	CYBER LAW
Course Code	USIT607
Credits	2
Course Objectives	<ul style="list-style-type: none"> ● To study various IT Acts ● To understand E-Commerce Taxation and real problem in the Virtual World ● To study protection from Cyber Consumers
Course Outcome	<ul style="list-style-type: none"> ● To learn about Power of Arrest Without Warrant Under the IT Act, 2000, Cyber Crime and Criminal justice: Penalties, Adjudication and appeals Under the IT Act, 2000. ● To learn about Contracts in the Infotech World and Jurisdiction in the Cyber World. ● Implementation of Copyright Protection in the Cyber world. ● E-Commerce Taxation: Real Problems in the virtual World along with Digital Signatures, Certifying Authorities and E-Governance



BACHELOR OF COMMERCE COURSE OUTCOMES

F.Y.B.COM.

FIRST SEMESTER

Course Title	ACCOUNTANCY AND FINANCIAL MANAGEMENT I
Course Code	UBCOMFSI.1
Credits	3
Course Objective	<ul style="list-style-type: none">● To introduce Indian Accounting standards issued by ICAI viz., AS 1, AS-2 and AS-9 and to acquaint with methods of inventory valuation viz., FIFO and Weighted Average method.● To understand the classification of Capital and Revenue – Expenditure and Receipts.● To introduce Final Accounts of Manufacturing Concern.● To introduce Departmental Accounting.● To understand Hire Purchase Accounting and its application in business.
Course Outcome	<ul style="list-style-type: none">● Students are able to get an insight into the AS-1, 2 and 9. Students will be able to solve practical problems on inventory valuation by FIFO and Weighted Average Method.● Students are able to recognize capital and revenue – expenditure and receipts.● Students are able to solve practical problems regarding Final Accounts of Manufacturing Concern.● Students are able to solve practical problems regarding Departmental Accounting● Students are able to solve practical problems regarding Hire Purchase Accounting.● Inculcates knowledge of various accounting concepts and policies.● Introduces the students to working knowledge of Accounting Standards issued by the ICAI.

Course Title	COMMERCE-I
Course Code	UBCOMFSI.2
Credits	3
Course Objective	<ul style="list-style-type: none">● To understand the scope of business.● To acquire knowledge of the Business planning process.● To get knowledge about problems and promotion of women entrepreneurship● To get acquainted with the importance of the Service Sector in the current scenario.
Course Outcome	<ul style="list-style-type: none">● Students will get an understanding of basic concepts of business along with setting business units and logical provisions for initiating business.● Students will get familiar with the basic concept of business.● Students will gain knowledge of the Business planning process and feasibility of business and project.● Students will get clues on entrepreneurship and expose them to problems



	and prospects of women entrepreneurs.
Course Title	BUSINESS ECONOMICS I
Course Code	UBCOMFSI.3
Credits	3
Course Objective	<ul style="list-style-type: none"> ● To make students aware about the importance and scope of Business Economics, various concepts of business economics, and market Equilibrium. ● To make them aware about Demand Function, Supply Function, Law of Demand and Elasticity of Demand. ● To give knowledge of Production function, short and long term Production Function, Economies and Diseconomies of Scale. ● To make students understand Cost concepts, various types of short term and long term costs. ● To make them aware about Break Even Analysis.
Course Outcome	<ul style="list-style-type: none"> ● Students will be able to use various theories of Economics in solving business problems. ● Students will gain insight to forecast the demand for their business. ● It will help give understanding of the level of output production to maximize their profit. ● Students will be able to conceptualize cost effectively. ● Students will come to know how the price is fixed. ● It will help them to make better pricing decisions. ● Students will understand the relationship between cost, output and revenue.

Course Title	BUSINESS COMMUNICATION I
Course Code	UBCOMFSI.4
Credits	3
Course Objective	<ul style="list-style-type: none"> ● To increase understanding of the complexity of communication ● To help children learn how to listen critically and effectively so they can understand what is being spoken to them. ● To improve oral abilities that will allow students to talk confidently in small-group settings as well as in front of large audiences. ● To improve writing ability
Course Outcome	<ul style="list-style-type: none"> ● The learner should be able to improve his or her skills after successfully completing the course. Talents in speaking, reading, writing, and listening to face global issues. ● Effective corporate communication aids current and aspiring managers in carrying out managerial duties. ● Promotes awareness, knowledge transfer, attitudes shaping, and enhanced interpersonal communication.

Course Title	ENVIRONMENTAL STUDIES I
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Course Code	UBCOMFSI.5
Credits	3
Course Objective	<ul style="list-style-type: none"> ● To provide in depth understanding of various concepts of environment and Ecosystem. ● To provide understanding of various natural and man-made resources. ● To understand the concept of Sustainable development. ● To know the concept of population explosion. ● To understand urbanisation and its impacts. ● To get the knowledge of various environmentally significant features on world maps.
Course Outcome	<ul style="list-style-type: none"> ● Students will learn the importance of Ecological balance and how to bring harmony in ecological balance. ● Students will learn the importance of using all natural resources wisely. ● They will learn how to preserve scarce natural resources. ● They will come to know the ill effects of population explosion and measures to control it. ● Students will learn to preserve the environment. ● Students will develop responsible environmental behaviour.

Course Title	FOUNDATION COURSE I
Course Code	UBCOMFSI.6.1
Credits	2
Course Objective	<ul style="list-style-type: none"> ● To make students comprehend the rural, urban, and tribal characteristics of Indian society as well as its diversity. ● To gain an understanding of the various issues that divide society into distinct groups. ● To acquire knowledge regarding the nature of social stratification and inequality in India. ● To taught the significance of the Indian Constitution and its fundamental concepts ● To make students learn about how local self-government in cities and towns works.
Course Outcome	<ul style="list-style-type: none"> ● Students are able to know about the diverse religious, linguistic, and cultural aspects of Indian civilization as well as its traits. ● Students are taught about the nature of inequity brought on by these issues and how to fix it. ● Students can explain the nature of inequality, as well as its origins and effects on society. ● Students are able to comprehend how local self-government institutions such as the municipal corporation and Z.P. Gram Panchayat operates. ● Students can comprehend the nature of the preamble, the elements of the constitution, and the importance of fundamental obligations.

Course Title	MATHEMATICAL AND STATISTICAL TECHNIQUES I
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Course Code	UBCOMFSI.7
Credits	3
Course Objective	<ul style="list-style-type: none"> ● To learn to calculate gains from shares and mutual funds. ● To understand the calculation of NAV for SIPs. ● To understand the concept of Permutation and combination. ● To gain the knowledge of Linear Programming Problem. ● To know the calculation of Central tendencies. ● To understand the concept of Probability. ● To gain the knowledge of Decision theory.
Course Outcome	<ul style="list-style-type: none"> ● Students will be able to understand the concepts of the stock market through stocks and mutual funds, and how to calculate their gains. ● Students will gain the knowledge of determining the optimum solution for their business. ● Students will be able to apply permutation and combination to solve various problems. ● They will be able to use central tendencies in their day to day life. ● Students will come to know the usage of probability theory in real life. ● They will be able to make optimum decisions by using decision theory.

SECOND SEMESTER

Course Title	ACCOUNTANCY AND FINANCIAL MANAGEMENT II
Course Code	UBCOMFSII.1
Credits	3
Course Objective	<ul style="list-style-type: none"> ● To learn the problems on preparation of final accounts of Single Trading Concern. ● To understand the Consignment Accounts and the relationship between Consignor and Consignee. ● To ascertain the Profit or Loss and the Financial position of each branch separately on a particular date. ● To understand the needs and procedure of determination of Insurance Claim.
Course Outcome	<ul style="list-style-type: none"> ● It helps the students to record the business transactions very easily as it is a simple method. ● Consignment Account helps the students to easily calculate the profits earned by the Consignor and Consignee. ● Students will get to know how to prepare various personal accounts, such as, Debtors Account, Creditors Account, Bills Receivable Account and Bills Payable Account. ● Branch Accounts will help the students to evaluate the performance of each branch separately. ● It helps the students how to maintain the accounts and how to get the claim when goods are destroyed by fire. ● It will help the students to understand the treatment of Abnormal items.

Course Title	COMMERCE II
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Course Code	UBCOMFSII.2
Credits	3
Course Objective	<ul style="list-style-type: none"> ● To make them understand basic concepts of services. ● To understand opportunities in the service sector. ● To understand retailing in India and abroad ● To understand recent trends in the Banking and Insurance sector. ● To know about the present status of E-commerce in India.
Course Outcome	<p>Through this course students will learn/Understand</p> <ul style="list-style-type: none"> ● Importance of service sector in India ● Growth of organized retailing in India. ● Importance of ATM, Debit Card, Credit Card. ● Benefits of E-commerce and B2B transactions.

Course Title	BUSINESS ECONOMICS II
Course Code	UBCOMFSII.3
Credits	3
Course Objective	<ul style="list-style-type: none"> ● To introduce market structure to students. ● To understand the concepts of various markets existing in the real world. ● To understand the concept of Monopolistic Competition and Oligopoly. ● To acquire the knowledge of Monopoly and Perfect Competition. ● To understand various Pricing Practices. ● To understand the concept and techniques of Capital Budgeting.
Course Outcome	<ul style="list-style-type: none"> ● Students are able to understand the establishment of equilibrium in various markets. ● They are able to understand the conditions of Profit/Loss under various market conditions. ● Students are able to understand the working of various firms. ● Students are able to get the best decisions regarding the quantity of output production and their profitability. ● Students are able to frame various pricing strategies. ● Students are able to analyse cost benefit analysis of various projects. ● Students are able to make investment decisions.

Course Title	BUSINESS COMMUNICATION II
Course Code	UBCOMFSII.4
Credits	3
Course Objective	<ul style="list-style-type: none"> ● To increase understanding of the complexity of communication. ● To help students become critical listeners and develop effective listening techniques so they can understand what is being said to them. ● Enabling students to write in a clear, concise, persuasive, and audience-focused manner through developing good writing skills ● Enabling students to communicate confidently both in small-group settings and in front of large audiences by developing strong oral skills.
Course Outcome	<ul style="list-style-type: none"> ● After completing the course successfully, the student should be able to



	<ul style="list-style-type: none"> ● To improve his reading, writing, speaking, and listening abilities in order to better meet the challenges of the world. ● Prepares students to master the fundamentals of good communication so they may speak confidently in the workplace. ● Teaches group discussion strategies, interview preparation tips, and how to write letters in many formats, including appointment, sales, marketing, claim, adjustment, and termination letters.
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Course Title	ENVIRONMENTAL STUDIES II
Course Code	UBCOMFSII.5
Credits	3
Course Objective	<ul style="list-style-type: none"> ● To know about Solid waste and Sustainable Society. ● To understand various developments in the agriculture sector and industrial sector. ● To get an insight into Tourism and its effects on the environment.] ● To Know the various initiatives and movements taken by countries to save the environment. ● To understand the concept of environmental problems like-global warming, acid rain etc. ● To understand world map
Course Outcome	<ul style="list-style-type: none"> ● Students are able to understand the ill-effects of solid waste on health and environment. ● Students are able to understand various ways of solid waste management. ● Students are able to understand their responsibility toward the environment. ● Students are able to analyse the various problems aroused due to sectoral developments. ● Students are able to know the importance of tourism for any economy. ● Students are made to understand the concepts of ISO, carbon bank, carbon credit and ecological footprints.

Course Title	FOUNDATION COURSE II
Course Code	UBCOMFSII.6.1
Credits	2
Course Objective	<ul style="list-style-type: none"> ● To make it easier for the students to understand different globalisation concepts and how they connect to Indian society. ● To allow students to debate the idea of human rights. ● for students to be able to determine the significance of environmental studies in the current environment of development ● To enable students to assess whether stress and conflict occur in both individuals and society



Course Outcome	<ul style="list-style-type: none"> ● Students would discuss how the effects of globalisation on employment and migration have changed and describe the actual situation that led to an upsurge in farmer suicides and corporate farming. ● Students would be familiar with the idea, history, and development of human rights as well as the constitutionally guaranteed fundamental rights. ● Students would evaluate ecology, the environment, and how they are related. They would discuss the effects of environmental deterioration and the necessity of sustainable development. ● Students would relate to and talk about the numerous causes of stress and conflicts in both individuals and society.
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Course Title	MATHEMATICAL AND STATISTICAL TECHNIQUES II
Course Code	UBCOMFSII.7
Credits	3
Course Objective	<ul style="list-style-type: none"> ● To understand the concepts of Functions, Derivatives and Their Applications ● To develop the understanding of Interest and Annuity ● To conceptualize Bivariate Linear Correlation and Regression ● To gain the knowledge of Time series and Index Numbers ● To know the concept of Elementary Probability Distributions Probability Distributions, Binomial Distribution, Poisson Distribution and Normal distribution.
Course Outcome	<ul style="list-style-type: none"> ● Students are able to solve a variety of business problems using derivatives. ● Students are able to compare various objects and provide a linear relationship between their values. ● Students are able to figure out annuities, EMIs, and interest for both hypothetical and actual investments. ● Students will understand probability and its distributions in general. ● Students are able to analyse a corporation using the notion of time series or index numbers. ● Prepares students to acquire abilities to deal with money issues.

THIRD SEMESTER

Course Title	ACCOUNTANCY AND FINANCIAL MANAGEMENT III
Course Code	UBCOMFSIII.1
Credits	3
Course Objective	<ul style="list-style-type: none"> ● Ascertainment of Gross Profit and Profit and Loss Account of before and after admission/ retirement and death of a partner on time and sales basis. ● Treatment of Piecemeal Distribution of Cash. ● Calculation of Purchase Consideration under Amalgamation of Firms. ● To maintain the Journal and Ledger accounts under conversion and sale of Partnership firms.



Course Outcome	<ul style="list-style-type: none"> • Students will get to know the different types of partners and how to maintain their accounts on the basis of time and sales. • Students will know about the different stages of distribution of cash when the partners decide to dissolve the firm. • It helps the students to compute the order of payments under the steps involved in the Proportionate capital method. • It helps the students to have a large-scale business and enjoy the benefits of large-scale operations.
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Course Title	FINANCIAL ACCOUNTING AND AUDITING V - MANAGEMENT ACCOUNTING
Course Code	UBCOMFSIII.2.1
Credits	3
Course Objective	<ul style="list-style-type: none"> • Aims to analyze and interpret accounting information. • To understand Profit and Loss ratios and Balance Sheet Ratios. • To understand the relationship between items in the Balance Sheet and Revenue Statement. • To understand the techniques of Capital Budgeting.
Course Outcome	<ul style="list-style-type: none"> • It helps the students to know about various users of financial statements and how they are dealing with shares. • It helps the students to understand the difference between Cash flow Statement and Fund flow statement. • Students will get to know how to solve problems based on Trend Analysis. • It helps the students to estimate Working capital requirements in the case of Trading and Manufacturing Organization. • Preparation of Capital Budgeting helps the students for future planning and development of projects.

Course Title	COMMERCE III
Course Code	UBCOMFSIII.3
Credits	3
Course Objective	<ul style="list-style-type: none"> • To get an insight into management thoughts and various management approaches. • To understand the process of planning and decision making. • To understand the concept of organizing, departmentation and delegation of authority. • To know the concept of directing, controlling, motivation and leadership.
Course Outcome	<ul style="list-style-type: none"> • Students are able to learn about the methods, principles, and practices of business management. • Students are able to comprehend various management approaches and their implications in real life. • Students are able to get insight about fundamental management functions necessary for a company's successful management. • Students are able to learn how to put management principles and methods



	<p>into practice in areas like finance and production.</p> <ul style="list-style-type: none"> ● Students are able to understand the importance of decentralisation, motivation and planning.
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Course Title	BUSINESS ECONOMICS III
Course Code	UBCOMFSIII.4
Credits	3
Course Objective	<ul style="list-style-type: none"> ● To understand the concepts of national income, business cycle, the balance of payments, the circular flow of national income, and other macroeconomic concepts. ● To understand the application of Keynesian economics as a solution to depression, unemployment, and other issues is expected of students. ● To know the concept of Stagflation, the Phillips curve, supply side economics. ● To understand the fundamentals of money supply, demand, inflation, and other topics.
Course Outcome	<ul style="list-style-type: none"> ● Students are able to comprehend the importance of the macroeconomic concept in national income accounting. ● Students can articulate how Keynesian theory is used to address macroeconomic issues. ● After finishing this lesson, students can explain how Post-Keynesian economics developed. ● Students are able to comprehend how the money supply and inflation are related.

Course Title	ADVERTISING I
Course Code	UBCOMFSIII.5.01
Credits	3
Course Objective	<ul style="list-style-type: none"> ● To get knowledge about advertising as an Integrated Marketing tool of Communication. ● To learn more about the financial and societal effects of advertising ● To comprehend various forms of advertising as well as the functions of advertising agencies and media ● To gain knowledge of methods for the efficient creation of advertisements.
Course Outcome	<ul style="list-style-type: none"> ● Through this course students will learn/Understand ● Learn how to use advertising as an Integrated Marketing tool for Communication. ● Learn about the ethical implications of advertising and its economic and societal effects. ● Recognize the many forms of advertising and the function of advertising agencies. ● Recognize the advantages and cons of the various advertising mediums.



	<ul style="list-style-type: none"> ● Get knowledgeable about the methods for using and producing copy, slogans, headlines, drawings, and logos for efficient advertisement creation.
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Course Title	FOUNDATION COURSE III
Course Code	UBCOMFSIII.6.1
Credits	2
Course Objective	<ul style="list-style-type: none"> ● Pupils should be able to comprehend disasters, their numerous types, and disaster management strategies. ● Students learn about the advancement of science, the significance of technology and science in society, and how to use science to disprove beliefs. ● Students are aware of the fundamental ideas behind soft skills and communication. ● Students must do a project involving a street play, PowerPoint presentation, or poster presentation on a current subject. ● They can participate in any other community outreach activity, do an interview with a well-known scientist, or go to a museum, scientific centre, orphanage, nursing home, etc.
Course Outcome	<ul style="list-style-type: none"> ● The fundamental causes of violations of human rights and their Constitutionally and legally, resistance. ● Students can analyse situations that lead to disasters and know how to manage them successfully. ● Students can appreciate how science is applied and grow to have a scientific outlook. ● Students are anticipated to understand fundamental communication skills. ● Many topics that students learn about in class are put into practise by the students.

Course Title	BUSINESS LAW I
Course Code	UBCOMFSIII.7
Credits	3
Course Objective	<ul style="list-style-type: none"> ● The learner should be able to comprehend the scope of this module by the ● Concepts like consideration, proposal, acceptance, capacity of parties, etc. are well-understood in business law. Also, the student needs to be familiar with technical terms like void, voidable, void ab initio, etc. ● Knowledge of terms like free consent, void agreements, E contracts, quasi-contracts, contingent contracts, and discharge of contract should be attainable by students. ● Students gain knowledge of agency, guarantees, pledges, and contracts of indemnification. ● Students learn about conditions and warranties, unpaid seller rights, and contracts of sale. ● Students learn about the legal obligations and parties associated with negotiating instruments. Added benefits and perks of using



Course Outcome	<ul style="list-style-type: none"> • Students are given access to fundamental resources for studying law and fundamental ideas in contract law. • Students are able to examine in-depth guidelines for creating and ending a contract legally in India. • Students can understand how contractual responsibilities are used in various real-world contexts. • Students are able to comprehend how contract law is specifically applied in the sale and acquisition of goods. • Students are able to comprehend and value how contract law is applied in Negotiable instruments.
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SEMESTER IV

Course Title	ACCOUNTANCY & FINANCIAL MANAGEMENT - IV
Course Code	UBCOMFSIV.1
Credits	3
Course Objective	<ul style="list-style-type: none"> • To understand the types and formation of Companies. • To understand Preferential rights, Under description and Over description of shares. • To understand before proceeding with debentures and after proceeding with debentures. • To understand and ascertain profit prior to incorporation.
Course Outcome	<ul style="list-style-type: none"> • Helps the students to know about various types of companies, no. of persons involved in companies and shows how to prepare Company Accounts. • Helps the students to study about the issue and redemption of shares and debentures. • It helps the students to solve the problems regarding forfeited shares and how to handle the existing holders of shares. • Students will get information about the rules and procedure of DRI and DRR. • Students will get to know how to find out profit or loss by preparing P&L statements before incorporation and after incorporation periods.

Course Title	FINANCIAL ACCOUNTING AND AUDITING VI - AUDITING
Course Code	UBCOMFSIV.2.1
Credits	3
Course Objective	<ul style="list-style-type: none"> • To express an opinion on whether the accounts give a true and fair view of the financial position and profit or loss of the concern. • To understand the stages and procedure of Audit Planning and audit Programme. • Give specific instructions regarding how work is to be done. • To understand the techniques of auditing and internal audit.



Course Outcome	<ul style="list-style-type: none"> • Auditing helps the student how to overcome and prevent the accounts free from errors and frauds. • Students will gain insight about how the programme will be modified and how the work can be reviewed. • By understanding this method, students will get to know the evaluation of sample results of auditing. • It helps to get the knowledge of duties and responsibilities of an auditors.
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Course Title	COMMERCE IV
Course Code	UBCOMFSIV.3
Credits	3
Course Objective	<ul style="list-style-type: none"> • To give students an insight into Production and Inventory management decisions. • To give knowledge about various quality management techniques. • To make students aware about the Indian Financial system. • To make students acquainted with recent trends in Finance.
Course Outcome	<ul style="list-style-type: none"> • Students are able to comprehend various production planning and control techniques. • Students are able to analyse various factors increasing productivity. • Students got to know the importance of quality and various quality certificates for their organisation. • Students are able to comprehend the role of various financial players like NSDL, CDSL, SEBI, and credit rating agencies. • Students are able to understand the functioning of Mutual funds, commodity markets, derivatives, startups and venture capital.

Course Title	BUSINESS ECONOMICS IV
Course Code	UBCOMFSIV.4
Credits	3
Course Objective	<ul style="list-style-type: none"> • To comprehend students the role of Govt. in an economy. • To give an insight about Public Revenue. • To make students aware about Public expenditure and public debt. • To give knowledge about Fiscal Management and Financial administration.
Course Outcome	<ul style="list-style-type: none"> • Students are able to understand the importance of Govt.'s role. • Students are able to understand that public expenditure leads to maximum social advantage. • Students are able to understand the concept of Taxation- Direct and Indirect. • Students can understand the rationale behind the taxation system. • Students can comprehend about fiscal policy, budget, deficit of budget and Fiscal relations.

Course Title	ADVERTISING II
Course Code	UBCOMFSIV.5.01
Credits	3
Course Objective	<ul style="list-style-type: none"> • To understand recent media used for Advertisement



	<ul style="list-style-type: none"> ● To understand advertising budget, methods of setting advertising budgets ● To understand meaning of creative brief and visualization ● To understand importance of jingles and music in advertising
Course Outcome	<ul style="list-style-type: none"> ● Through this course students will learn/Understand ● Learn how to use advertising as an Integrated Marketing tool. ● Learn about the ethical implications of advertising and its economic and social effects. ● Recognize the many forms of advertising and the function of advertising agencies. ● Recognize the advantages of the various advertising mediums. ● Get knowledgeable about the methods for using and producing copy, slogans, headlines, drawings, and logos for effective advertisement creation.

Course Title	BUSINESS LAW II
Course Code	UBCOMFSIV.7
Credits	3
Course Objective	<ul style="list-style-type: none"> ● To understand the difference between Public ,Private and one Person company also MOA and AOA of the company ● To understand Director's duties, responsibility of Director, Position of Director and different types of meeting ● To understand the concept of partnership, Limited Liability Partnership and difference between both also minor's position in partnership. ● To understand the Consumer Protection Authority and Consumer Disputes Redressal Commission. ● To understand the concept like Patents ,Copyright Trade Marks
Course Outcome	<ul style="list-style-type: none"> ● Through this course students Understand ● Basic documents of the company and types of company ● Minors and Directors position in the different company ● Relationship of partner with one Another and effect of Non-Registration of partnership firm. ● Students get ideas about different Act and commission of India. ● Students become familiar with different Act, like Patents Act, Copyright, Trade Mark.

Course Title	FOUNDATION COURSE IV
Course Code	UBCOMFSIV.6.1
Credits	2
Course Objective	<ul style="list-style-type: none"> ● By the completion of this Module, students are knowledgeable about RTI, PIL, and consumer protection. ● Several concepts in environmental studies and protection are introduced to the students, such as anthropocentrism, eco-centrism, biocentrism, co-feminisms, etc.



	<ul style="list-style-type: none"> • Students comprehend the significance of many technologies, including laser information technology, space technology, etc., as well as their scientific underpinnings. • Students are given knowledge regarding competitive exams and fundamental soft skills.
Course Outcome	<ul style="list-style-type: none"> • Students are made aware of the fundamental forms of protection for human rights to modern citizens. • Students are expected to adopt a sophisticated perspective on the environment and a concern for the natural world. • Students are able to grasp how science is applied and acquire a scientific mindset. • Students must comprehend fundamental concepts. • level communication abilities and a broad understanding of the competitive exams they can take. • Students experience a variety of problems firsthand.

SEMSTER V

Course Title	FINANCIAL ACCOUNTING AND AUDITING VII -FINANCIAL ACCOUNTING
Course Code	
Credits	4
Course Objective	<ul style="list-style-type: none"> • To comprehend the Companies Act provisions that are pertinent to the final accounting preparation. • To understand the difference between Internal and External reconstruction of companies and methods including alteration of share capital. • To understand the compliance of conditions including sources, limits and debt equity ratio. • To understand the cancellation of bought back of shares. • To gain knowledge of personal investment accounting, including ex and cum interest rates, and to comprehend ethical behaviour and the implications for professionals in accounting.
Course Outcome	<ul style="list-style-type: none"> • Students will understand the preparation of final accounts through various adjustments. • Students will get to know the need for construction and the provisions relating to the company. • Students will be able to work through real-world issues with company final accounts. • Pupils will be able to comprehend the rules and find solutions to real-world issues involving internal repair. • Students will be able to comprehend the clauses and work out real-world issues relating to share buybacks. • Students will be able to apply their knowledge of personal investment accounting to real-world issues.



	<ul style="list-style-type: none"> • Pupils will have a greater knowledge of professional accountants' ethical behaviour.
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Course Title	FINANCIAL ACCOUNTING AND AUDITING VIII - COST ACCOUNTING
Course Code	
Credits	4
Course Objective	<ul style="list-style-type: none"> • The concept of cost accounting, material costs, procurement processes, inventory control, inventory accounting, attendance and payroll processes, labour turnover, labour utilization, efficiency rating processes, remuneration systems and incentive schemes, classification of overheads, benefits of classification, allocation & apportionment of overheads, and absorption of overheads should all be understood by students. • Students should be able to comprehend the reasons for discrepancies between profits reported in financial accounts and cost accounts, as well as the reconciliation process.
Course Outcome	<ul style="list-style-type: none"> • Students will gain understanding of labour cost, material cost, and cost accounting concepts. • The understanding of overheads, cost sheets, and the reconciliation of profits as per financial accounts and cost accounts would be imparted to the students. • Students will learn how to prepare a cost sheet and calculate costs. • Students will be able to understand the practical problems based on Reconciliation of cost and financial accounts. • Students will have a precise understanding of cost and financial account reconciliation.

Course Title	COMMERCE V
Course Code	
Credits	3
Course Objective	<ul style="list-style-type: none"> • To make students aware about various concepts of marketing- Marketing Research, Data mining, consumer behaviour etc. • To disseminate knowledge about various marketing decisions like- packaging, branding, pricing etc. • To give insight about various marketing decisions like- supply chain management, Promotion, sales management etc. • To make them aware about key marketing dimensions like- marketing ethics, rural marketing, challenges faced by marketing managers.
Course Outcome	<ul style="list-style-type: none"> • Students are able to get insight about 4P's marketing mix. • Students are able to understand the importance of analysis consumer



	<p>behaviour for any business.</p> <ul style="list-style-type: none"> ● Students can analyse the pattern of target market selection. ● Students will get an insight about various important decisions of business like-packaging, product positioning, product life cycle and pricing. ● Students can comprehend about supply chain management and its importance. ● Students are able to understand the role of market ethics. ● Students are able to determine various factor for the success of brand.
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Course Title	BUSINESS ECONOMICS V
Course Code	
Credits	3
Course Objective	<ul style="list-style-type: none"> ● To give macroeconomic overview of India. ● To make them aware about New Economic policy, sustainable goals, and foreign investment policy measures. ● To Disseminate knowledge about situation of agriculture post reform period. ● To give information about scenario of industrial and service sector post reforms. ● To make them aware about banking and financial markets.
Course Outcome	<ul style="list-style-type: none"> ● Students are expected to learn about concept of LPG(Liberalization, Privatization and Globalization), importance of sustainable goals and their importance. ● Students are able to know policy measures for foreign investment. ● Students are expected to know about National Agricultural Policy 2000. ● Students are able to understand various aspects of agri-industry like- pricing and marketing. ● Students will come to know about various policy measures- disinvestment policy, competition act etc. to increase the growth of industrial sector. ● Students are able to understand reforms of Banking sector, Monet market and Capital market.

Course Title	EXPORT MARKETING I
Course Code	
Credits	3
Course Objective	<ul style="list-style-type: none"> ● To get knowledge about Indian and international export marketing strategies ● To become familiar with the formalities and ● Institutional framework, incentives, and export promotion initiatives put out by the government.



	<ul style="list-style-type: none"> To gain knowledge of physical distribution, product, price, and marketing mix methods.
Course Outcome	<ul style="list-style-type: none"> Students become familiar with formalities, Institutional framework, incentives, and export promotion initiatives put out by the government. The fundamentals of exports and their contribution to economic growth would be understood by the students. The students would be familiar with the several Trade Blocs that are currently in use.

Course Title	COMPUTER SYSTEMS AND APPLICATIONS I
Course Code	
Credits	3
Course Objective	<ul style="list-style-type: none"> To become familiar with basic concepts of Data Communication, Networking and Internet. To introduce use of Database queries and MySQL To introduce the use of spreadsheet EXCEL.
Course Outcome	<ul style="list-style-type: none"> To understand the concepts of Data Communication, Networking – types, hardware and Protocols and Internet – Types of connections, Web browsing and cybercrime. To understand the process of Database Development and Administration using SQL and also develop the usage of database through MySQL Queries – Simple Queries, Multi table Queries, Sub Queries, Nested Queries. To understand the concepts of Spreadsheet through Excel. To acquire skills of various types of calculations using Excel functions and formulae, managing database using various Excel commands

SEMESTER VI

Course Title	FINANCIAL ACCOUNTING AND AUDITING IX -FINANCIAL ACCOUNTING
Course Code	
Credits	4
Course Objective	<ul style="list-style-type: none"> To comprehend the accounting treatment connected to company mergers, acquisitions, and external reconstructions, as well as how to calculate purchase consideration. To learn about the accounting process for transactions using foreign currencies.



	<ul style="list-style-type: none"> To comprehend the clause and process relating to a company's liquidation, the underwriting of shares and debt securities, and the conversion of a partnership firm into a Limited Liability Partnership.
Course Outcome	<ul style="list-style-type: none"> Students will be able to determine purchase consideration using a variety of techniques and work through real-world business problems based on amalgamation, absorption, and external company reconstruction. Students will be able to calculate and manage exchange rate differences that result from foreign currency transactions. Students will be able to resolve real-world issues related to corporate dissolution. Students will be able to draught an underwriter's liability statement. The students will comprehend how to prepare limited liability partnership final accounts.

Course Title	FINANCIAL ACCOUNTING AND AUDITING X -COST ACCOUNTING
Course Code	
Credits	4
Course Objective	<ul style="list-style-type: none"> Pupils must comprehend how to maintain expense records and an integrated accounting system. The idea of contract costing and process costing, treatment of certified and uncertified work, calculation of profit on incomplete contracts and work in progress, handling of process losses, estimation of process cost, and handling of byproducts and joint products should all be concepts that students are able to comprehend. Students ought to be able to comprehend the ideas of contribution, break-even analysis, and the use of marginal costs in managerial decision-making. Pupils should be able to comprehend ABC, benchmarking, life cycle costing, and target costing.
Course Outcome	<ul style="list-style-type: none"> Students will learn about systems for cost recording. Students will learn about process and contract costing. The concept of standard costing and marginal costing will be explained to the students. Students will learn about target costing, life cycle costing, benchmarking, and ABC in general.

Course Title	COMMERCE VI
Course Code	
Credits	3
Course Objective	<ul style="list-style-type: none"> To get knowledge of HR's crucial contribution to the administration of corporate organizations. To get insight of current methods used in the field of HRM To be aware of the types of difficulties HR managers confront in the millennium's changing business environment.



Course Outcome	<ul style="list-style-type: none"> ● Students will be able to know about various concepts, tools and techniques of HRM like-Human resource planning, job analysis, recruitment and selection. ● Students will come to know the benefits of performance appraisal, career planning, mentoring, counseling and training for employee as well as employer. ● Students are able to comprehend the significance of human relations. ● Students get an idea about various aspects of employees like- employee morale, employee grievances, employee welfare etc. ● Students will get an idea about various challenges faced by human resource management.
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Course Title	BUSINESS ECONOMICS VI
Course Code	
Credits	3
Course Objective	<ul style="list-style-type: none"> ● To make them learn about the theories of international trade, terms of trade, gains from trade, supply curves and reciprocal demand ● To give information about two main trade policies, free trade and protectionism, international economic integration and the EU and Brexit. ● To disseminate information about BOP, its structure and WTO, recent developments on TRIPS, TRIMS and GATS etc. ● To make students aware about exchange rate, purchasing power parity theory, spot and forward rate, role of central bank arbitrage in exchange rate management in India's flexible exchange rate system.
Course Outcome	<ul style="list-style-type: none"> ● It is expected of students to acquire knowledge of various trade theories. ● Students are expected to keep up with the most recent developments in international trade and the relationship between Britain and the rest of Europe. ● Students will be able to comprehend about balance of Payment, disequilibrium in balance of payment and how it can be rectified. ● Students are expected to have acquired sufficient knowledge of India's external sector and the effects of the WTO provisions on India after studying this topic. Students are expected to have sufficient knowledge regarding the determination of the exchange rate by the end of this unit to be able to participate actively in the market.

Course Title	EXPORT MARKETING II
Course Code	
Credits	3



Course Objective	<ul style="list-style-type: none"> • To familiarise the students with the value of product planning and the various price techniques employed in export marketing • To provide information on the various pre-shipment and post-shipment financing options available to exporters and the role of various agencies in the promotion of exports. • To introduce the various direct and indirect distribution channels and the sales promotion strategies used in export marketing. • To familiarise the learners with the steps and paperwork required in the export process.
Course Outcome	<ul style="list-style-type: none"> • The students would be familiar with the many product planning features, such as branding, labelling, marking. • The learners would understand the procedural aspects involved in the process and the assistance provided by commercial banks, EXIM, and SIDBI in promoting exports. • The learners would understand the role of important documents like the bill of lading, commercial invoice, and consular invoice in the process of exports.

Course Title	COMPUTER SYSTEMS AND APPLICATIONS II
Course Code	
Credits	3
Course Objective	<ul style="list-style-type: none"> • To become familiar with basic concepts of E-Commerce. • To introduce features of Advance EXCEL • To introduce use of Visual Basic and Graphical User Interface
Course Outcome	<ul style="list-style-type: none"> • To understand the concepts of E-Commerce – Features, limitations, models, security, payment systems. • To understand and use features of Advance EXCEL such as creating and using templates, linking multiple spreadsheets, using formulas with logical operators etc. • To understand and use features of Visual Basic such as VB controls, simple calculations, calculations using conditions, sub procedures and sub functions. • To acquire skills of Visual Basic's Integrated Development Environment and also will be able to design a web page with its design and diagramming tools.



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