

SE(Information Technology)	
Semester-I	
Course Name	Data Structures & Algorithms
Course Code	PCC-201-ITT
Attends of this course, the student will be able to:	
Course Outcome	Course Outcome
CO1	To Perform basic analysis of algorithms with respect to time and space complexity.
CO2	To apply appropriate data structures to implement stack and queue.
CO3	To design and specify the operations of a nonlinear-based abstract data type and implement them in a high-level programming language.
CO4	Design different hashing functions
CO5	To Solve real-life optimization problems using Divide and Conquer, Greedy, and Dynamic Programming strategies

Course Name	Object Oriented Programming
Course Code	PCC-202-ITT
Attends of this course, the student will be able to:	
Course Outcome	Course Outcome
CO1	Understand OOP concepts like classes, objects, inheritance, and polymorphism.
CO2	Use methods, constructors, and memory management.
CO3	Apply inheritance and polymorphism for code reuse.
CO4	Handle exceptions and use generics with collections.
CO5	Perform file handling and implement basic design patterns.

	Semester-I
Course Name	Basics of Computer Network
Course Code	PCC-203-ITT
Attends of this course, the student will be able to:	
Course Outcome	Course Outcome
CO1	Student will able to learn about the principles of data communication and network components.
CO2	Student will able to learn about how computer networks are organized with the concept of layered approach
CO3	Student will able to learn about how signals are used to transfer data between nodes.
CO4	Student will able to learn about how packets in the Internet are delivered.
CO5	Student will able to learn about how routing protocols work
CO 6	Student will able to learn about applications of OSI/TCP-IP Model

Course Name	Digital Electronics and Logic Design
Course Code	MDM-221-ITT
Attends of this course, the student will be able to:	
Course Outcome	Course Outcome
CO1	Perform Binary Arithmetic and Logical Operations and code conversions
CO2	Design and Implement Combinational Circuits
CO3	Differentiate combinational and sequential circuits and use flip flops for various applications
CO4	Design and Implement Sequential Circuits.
CO5	Explain Organization and Architecture of Computer systems

Course Name	Principles of Management & Entrepreneurship
Course Code	EEM-231-ITT
Attend of this course ,the student will be able to:	
Course Outcome	Course Outcome
CO1	Articulate core management functions, planning, and decision-making.
CO2	Analyze organizational structure, staffing, and leadership in tech teams.
CO3	Explain motivation and control systems in management.
CO4	Demonstrate understanding of entrepreneurship and its development.
CO5	Evaluate small-scale industries, support agencies, project reporting, and industrial ownership.

Course Name	Universal Human Values And Professional Ethics
Course Code	VEC-232-ITT
Attend of this course ,the student will be able to:	
Course Outcome	Course Outcome
CO1	Understand the significance of universal human values and ethical human conduct.
CO2	Apply the concepts of harmony in self and relationships in real-life scenarios
CO3	Evaluate the interconnection between individual, society, and nature from a holistic perspective.
CO4	Develop commitment to self-exploration, self-regulation, and social responsibility

Course Name	Digital Business
Course Code	OEL- 220D
Attend of this course ,the student will be able to:	
Course Outcome	Course Outcome
CO1	Understand the digital economy's societal impact
CO2	Apply digital strategies practically
CO3	Use analytics tolls for digital business
CO4	Develop critical thinking to solve digital business challenges, and address ethical, legal, and sustainability issues responsibly, ensuring readiness for diverse roles in the digital business landscape.

SE(Information Technology)	
Semester-II	
Course Name	Database Management System
Course Code	PCC-251- ITT
Attends of this course, the student will be able to:	
Course Outcome	Course Outcome
CO1	Explain the fundamental concepts, architecture, and functionalities of database management systems.
CO2	Analyze and design relational database (RDBMS) model to represent real-world database applications and demonstrate RDBMS principles.
CO3	Improve the database design through normalization
CO4	Formulate database queries using SQL and PL/SQL for efficient data retrieval and manipulation.
CO5	Demonstrate ACID properties for transaction management and describe concurrency control protocols.
CO6	Explore and discuss recent trends in database technologies.

Course Name	Computer Graphics
Course Code	PCC-252-ITT
Attends of this course, the student will be able to:	
Course Outcome	Course Outcome
CO1	Define fundamental concepts and identify hardware components in computer graphics.
CO2	Apply algorithms to draw and fill basic geometric shapes.
CO3	Apply mathematical transformations and projections techniques on graphical objects.
CO4	Implement techniques for polygon filling, clipping, and color modeling.
CO5	Develop interactive graphics and animations.

Course Name	Probability & Statistics
Course Code	PCC-253-ITT
Attend of this course ,the student will be able to:	
Course Outcome	Course Outcome
CO1	Apply probability theory to model uncertain systems and events. L3
CO2	Analyze and interpret various probability distributions. L4
CO3	Use moment generating functions and inequalities (Markov and Chebyshev) to analyze random variables. L4
CO4	Apply population parameters using sampling and construct confidence intervals. L3
CO5	Conduct statistical hypothesis tests to support decision-making. L3

Course Name	Processor Architecture
Course Code	MDM-271-ITT
Attend of this course ,the student will be able to:	
Course Outcome	Course Outcome
CO1	Apprehend the fundamentals of PIC Microcontroller
CO2	Students will be able to analyze the difference between microprocessor and microcontroller-based systems.
CO3	Apply embedded C programming to configure and control I/O ports, and implement timer-based applications using polling and interrupt techniques on PIC18 microcontrollers.
CO4	Interface and program external devices with a PIC microcontroller to design functional embedded system solutions.
CO5	Analyze architectural details of ARM processor and apprehend the current trends in Processor Architecture

Course Name	Environmental Studies
Course Code	VEC-284-ITT
Attend of this course ,the student will be able to:	
Course Outcome	Course Outcome
CO1	Demonstrate an integrative approach to environmental issues with a focus on sustainability.
CO2	Explain and identify the role of the organism in energy transfers in different ecosystems.
CO3	Distinguish between and provide examples of renewable and nonrenewable resources & analyze personal consumption of resources
CO4	Identify key threats to biodiversity and develop appropriate policy options for conserving biodiversity in different settings.
CO5	Understand environmental pollution and related laws, assess human population impacts on natural resources, and develop scientific skills to analyze and address environmental issues effectively
CO6	Learn skills required to research and analyze environmental issues scientifically and learn how to use those skills in applied situations such as careers that may involve environmental problems and/or issues.