

B.TECH.5thSEM

Microprocessor Course Code: ESC-CSE-301G

Course Outcome (CO)	Details of Course Outcomes
(CO1)	Understand the operation and architecture of Intel 8085 microprocessor including Instruction Set Architecture, assembly language programming, timing and speed of operation.
(CO2)	Learn the operation of circuits for user interaction through switches, keyboard and display devices.
(CO3)	To make understand architecture and working of Intel 8086 microprocessor in depth.
(CO4)	Understand the operation and architecture of Intel 8086 microprocessor including Instruction Set Architecture, assembly language programming, timing and speed of operation.
(CO5)	Understand the motivation and need for peripheral operations circuits for digital data exchange, timer, serial communication, merits of direct memory access, interrupt controller and other circuits.

Computer Networks Course Code: PCC-CSE-303G

Course Outcome (CO)	Details of Course Outcomes
(CO1)	Explain the functions of the different layer of the OSI Protocol
(CO2)	Draw the functional block diagram of wide-area networks (WANs), local area networks (LANs) and Wireless LANs (WLANs) and describe the function of each.
(CO3)	Identify and connect various connecting components of a computer network.
(CO4)	Configure DNS DDNS, TELNET, EMAIL, File Transfer Protocol (FTP), WWW, HTTP, SNMP, Bluetooth, Firewalls using open source available software and tools.
(CO5)	To develop an understanding of modern network architectures from a design and Performance perspective.

Course: Formal Languages & Automata Course Code: PCC-CSE-305G

Course Outcome (CO)	Details of Course Outcomes
(CO1)	To use basic concepts of formal languages of finite automata techniques.
(CO2)	To Design Finite Automata's for different Regular Expressions and Languages.
(CO3)	To Construct context free grammar for various languages.
(CO4)	To solve various problems of applying normal form techniques, push

	down automata and Turing Machines.
(CO5)	To understand basic concepts of formal languages and automata theory

Course: Design & Analysis of Algorithms Course Code: PCC-CSE-307G

Course Outcome (CO)	Details of Course Outcomes
(CO1)	To identify and justify correctness of algorithms and to analyze running time of algorithms based on asymptotic analysis.
(CO2)	To understand when an algorithmic design situation calls for the divide-and-conquer paradigm. Synthesize divide-and-conquer algorithms.
(CO3)	Describe the greedy paradigm and dynamic-programming paradigm. Explain when an algorithmic design situation calls for it.
(CO4)	Developing greedy algorithms/dynamic programming algorithms, and analyze it to determine its computational complexity.
(CO5)	To write the algorithm using Backtracking and Branch and Bound strategy to solve the problems for any given model engineering problem.

Course: Programming in Java Course Code: PCC-CSE-309G

Course Outcome (CO)	Details of Course Outcomes
(CO1)	Knowledge of the structure and model of the Java programming language,
(CO2)	Use the Java programming language for various programming technologies (understanding)
(CO3)	To The use of Java in a variety of technologies and on different platforms.
(CO4)	To understand the Programming in the Java programming language
(CO5)	To Describe the basics of object-oriented programming using JAVA.

Course: Software Engineering (Elective-I) Course Code: PEC-CSE-311G

Course Outcome (CO)	Details of Course Outcomes
(CO1)	How to apply the software engineering lifecycle by demonstrating competence in communication, planning, analysis, design, construction, and deployment
(CO2)	An ability to work in one or more significant application domains

(CO3)	Work as an individual and as part of a multidisciplinary team to develop and deliver quality software
(CO4)	Demonstrate an understanding of and apply current theories, models, and techniques that provide a basis for the software lifecycle
(CO5)	Demonstrate an ability to use the techniques and tools necessary for engineering practice

Course: Microprocessor Lab Course Code: LC-ESC-321G

Course Outcome (CO)	Details of Course Outcomes
(CO1)	To Understand and apply the fundamentals of assembly level programming of microprocessors and microcontroller.
(CO2)	To Solve basic binary math operations using the instructions of microprocessor 8085.
(CO3)	To Design, code and debugs Assembly Language programs to implement simple programs.
(CO4)	To Apply programming knowledge using the capabilities of the stack, the program counter.
(CO5)	To Trouble shoot interactions between software and hardware.

Course: Computer Networks Lab Course Code: LC-CSE-323G

Course Outcome (CO)	Details of Course Outcomes
(CO1)	To Demonstrate the function(s) of each layer of the OSI model and TCP/IP.
(CO2)	To Describe the different types of network topologies and protocols.
(CO3)	To Analyze the various routing algorithms.
(CO4)	To Construct a simple network by using any modern Open Source Network Simulation Tool.
(CO5)	To Design and implement a peer-to-peer file sharing application utilizing application layer protocols such as HTTP, DNS, and SMTP and transportation layer protocol.

Course: DESIGN & ANALYSIS OF ALGORITHMS USING C++ Course Code: LC-CSE-325G

Course Outcome (CO)	Details of Course Outcomes
(CO1)	The course will help in improving the programming skills of the students.
(CO2)	The design of algorithms for any problem will inculcate structured thinking process in the students and improve the analytical power.

(CO3)	To Implementation of various algorithms and to analyze the performance of algorithms.
(CO4)	To Apply important algorithmic design paradigms and methods of analysis.
(CO5)	To Synthesize efficient algorithms in common engineering design situations.

Course: Programming in Java Lab Course Code: LC-CSE-327G

Course Outcome (CO)	Details of Course Outcomes
(CO1)	To Identify of the structure and model of the Java programming language.
(CO2)	To Identify classes, objects, members of a class and relationships among them needed for a specific problem.
(CO3)	To Demonstrate the concepts of polymorphism and inheritance.
(CO4)	To Design Java programs to implementer or handling techniques using Exception handling.
(CO5)	To Design Java application programs using OOP principles and proper program structuring.