



INFORMATION TECHNOLOGY ENGINEERING COURSE OUTCOMES

Second Year Information Technology

SEM IV

Subject Code	Subject Name	CO's
ITC401	Applied Mathematics-IV	Students will be able to: CO1. Apply the Number Theory to different applications using theorem. CO2. Apply probability and understand PDF. CO3. Understand sampling theory and correlation. CO4. Apply the graphs and trees concepts to different applications. CO5. Understand group's theory. CO6. Understand the Lattice theory
ITC402	Computer Networks	Students will be able to: CO1. Describe the functions of each layer in OSI and TCP/IP model. CO2. Explain the functions of Application layer and Presentation layer paradigms and Protocols. CO3. Describe the Session layer design issues and Transport layer services. CO4. Classify the routing protocols and analyze how to assign the IP addresses for the given network. CO5. Describe the functions of data link layer and explain the protocols. CO6. Explain the types of transmission media with real time applications.
ITC403	Operating Systems	Student will be able to CO1. Describe the important computer system resources and the role of operating system in their management policies and algorithms. CO2. Understand the process management policies and scheduling of processes by CPU CO3. Evaluate the requirement for process synchronization and coordination handled by operating system CO4. Describe and analyze the memory management and its allocation policies. CO5. Identify use and evaluate the storage management policies with respect to different storage management technologies. CO6. Identify the need to create the special purpose operating system.
ITC404	Computer Organization and Architecture	Students will be able to: CO1. Describe basic organization of computer and the architecture of 8086 microprocessor. CO2. Implement assembly language program for given task for 8086 microprocessor. CO3. Demonstrate control unit operations and conceptualize instruction level parallelism.



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		<p>CO4. Demonstrate and perform computer arithmetic operations on integer and real numbers.</p> <p>CO5. Categorize memory organization and explain the function of each element of a memory hierarchy.</p> <p>CO6. Identify and compare different methods for computer I/O mechanisms.</p>
ITC405	Automata Theory	<p>The students will be able to:</p> <p>CO1. Understand, design, construct, analyze and interpret Regular languages, Expression and Grammars.</p> <p>CO2. Design different types of Finite Automata and Machines as Acceptor, Verifier and Translator.</p> <p>CO3. Understand, design, analyze and interpret Context Free languages, Expression and Grammars.</p> <p>CO4. Design different types of Push down Automata as Simple Parser.</p> <p>CO5. Design different types of Turing Machines as Acceptor, Verifier, Translator and Basic computing machine.</p> <p>CO6. Compare, understand and analyze different languages, grammars, Automata and Machines and appreciate their power and convert Automata to Programs and Functions</p>