



DEPARTMENT OF COMPUTER ENGINEERING  
COURSE OUTCOMES

Year/Class/Semester: S.E. / III

Subject Code	Subject Name	CO's
CSC301	<b>APPLIED MATHEMATIC S-III</b>	<b>CO1:</b> Understand complex variable theory, application of harmonic conjugate to get orthogonal trajectories and analytic function. <b>CO2:</b> Plot the image of the curve by a complex transformation from z-plane to w-plane. <b>CO3:</b> Expand the periodic function by using Fourier series and complex form of Fourier series lemma's <b>CO4:</b> Understand the concept of Laplace transform and inverse Laplace transform of various functions and its application to solve ordinary differential equations. <b>CO5:</b> Apply the concept of Z- transformation and its inverse of the given sequence. <b>CO6:</b> Apply the concept of Correlation and Regression to the engineering problems.
CSC302	<b>DIGITAL LOGIC AND DESIGN ANALYSIS</b>	<b>CO 1:</b> To understand different number systems and their conversions. <b>CO 2:</b> To analyze and minimize Boolean expressions. <b>CO 3:</b> To design and analyze combinational circuits. <b>CO 4:</b> To design and analyze sequential circuits <b>CO 5:</b> To understand the basic concepts of VHDL. <b>CO 6:</b> To study basics of TTL and CMOS Logic families.
CSC303	<b>DISCRETE STRUCTURE</b>	<b>CO1:</b> Students will be able to have the ability to reason logically. <b>CO2:</b> Students will be able to understand use of functions, graphs and trees in programming applications. <b>CO3:</b> Students will be able to understand use of groups and codes in Encoding-Decoding.. <b>CO4:</b> Students will be able to express recursive functions of other subjects like Data Structures as recurrence relation.
CSC304	<b>ELECTRONICS CIRCUIT AND COMMUNICATION FUNDAMENTALS</b>	<b>CO1 :</b> To understand the use of semiconductor devices in circuits and modify it as per requirement. <b>CO 2 :</b> To understand the significance of power amplifiers in day to day applications along with the importance of oscillators. <b>CO3 :</b> To understand the basic concepts of operational amplifier along with its application. <b>CO4 :</b> To understand the fundamentals of electronic communication and its application. <b>CO5:</b> To apply knowledge of electronic devices and circuits to communication applications. <b>CO6:</b> To study basic concepts of information theory.
CSC305	<b>DATA STRUCTURES</b>	<b>CO1:</b> Study different data structures. <b>CO2:</b> Implement different operations on stack and queue. <b>CO3:</b> Implement different operations on Link list. <b>CO4:</b> Implement different operations on trees.



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		<p><b>CO5:</b> Handle different traversal techniques using graph.</p> <p><b>CO6:</b> Select appropriate sorting techniques for a given problem.</p> <p><b>CO7:</b> Select appropriate searching techniques for a given problem.</p>
CSL304	<b>OBJECT ORIENTED PROGRAMMIN G METHODOLO GY</b>	<p><b>CO1 :</b> Understand features and concepts of object oriented programming.</p> <p><b>CO2 :</b> Solve various computational problems using constructs such as if-else.</p> <p><b>CO3 :</b> Understand the concepts of classes and objects in detail.</p> <p><b>CO4 :</b> Understand the importance of interfaces and classes.</p> <p><b>CO5 :</b> Understand the use of multithreading,packages,lists and wrapper classes.</p> <p><b>CO6 :</b> Handle exceptions and program applets.</p>