



DEPARTMENT OF INFORMATION TECHNOLOGY

COURSE OUTCOMES

Year/Class/Semester: S.E./IT/III/ 'C' Scheme

Subject Code	Subject Name	CO's
ITC301	Applied Mathematics III	<p>At the end of the course student will be able to:</p> <ul style="list-style-type: none">CO1-Apply the concept of Laplace transform to solve the real integrals in engineering problemsCO2-Apply the concept of inverse Laplace transform of various functions in engineering problemsCO3-Expand the periodic function by using Fourier series for real life problems and complex engineering problems.CO4-Find orthogonal trajectories and analytic function by using basic concepts of complex variable theoryCO5-Apply the concept of Correlation and Regression to the engineering problems in data science, machine learning and AICO6-Illustrate understanding of the concepts of probability and expectation for getting the spread of the data and distribution of probabilities.
ITC302	Data Structures & Analysis	<p>At the end of the course student will be able to learn:</p> <ul style="list-style-type: none">CO1-Classify and Apply the concepts of stacks, queues and linked list in real life problem solving.CO2-Classify, apply and analyze the concepts trees in real life problem solving.CO3-Illustrate and justify the concepts of graphs in real life problem solving.CO4-List and examine the concepts of sorting, searching techniques in real life problem solving.CO5-Use and identify the concepts of recursion, hashing in real life problem solving.CO6-Examine and justify different methods of stacks, queues, linked list, trees and graphs to various applications.
ITC303	Database Management Systems	<p>At the end of the course student will be able to:</p> <ul style="list-style-type: none">CO1-Identify the need of Database Management System.CO2-Design conceptual model for real life applications.CO3-Create Relational Model for real life applications.CO4-Formulate query using SQL commands.CO5-Apply the concept of normalization to relational database designs.CO6- Demonstrate the concept of transaction, concurrency and recovery.



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ITC304	Principle of Communication	At the end of the course student will be able to: CO1-Describe analog and digital communication systems CO2-Differentiate types of noise, analyses the Fourier transform of time and frequency domain.. CO3-Design transmitter and receiver of AM, DSB, SSB and FM CO4-Describe Sampling theorem and pulse modulation systems CO5-Explain multiplexing and digital band pass modulation techniques CO6- Describe electromagnetic radiation and propagation of waves.
ITC305	Paradigms and Computer Programming Fundamentals	At the end of the course student will be able to: CO1-Understand and Compare different programming paradigms. CO2-Understand the Object Oriented Constructs and use them in program design CO3- Understand the concepts of declarative programming paradigms through functional and logic programming CO4Design and Develop programs based on declarative programming paradigm using functional and/or logic programming CO5-Understand the role of concurrency in parallel and distributed programming CO6-Understand different application domains for use of scripting languages