



**Vidya Vikas Education Trust's
Universal College of Engineering, Kaman Road, Vasai-401208**

DEPARTMENT OF INFORMATION TECHNOLOGY

COURSE OUTCOMES

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

Subject Code	Subject Name	CO's
ITC301	Applied Mathematics III	<p>At the end of the course student will be able to:</p> <p>CO1- learn the Laplace Transform, Inverse Laplace Transform of various functions, its applications.</p> <p>CO2- understand the concept of Fourier Series, its complex form and enhance the problem solving skills</p> <p>CO3- understand the concept of complex variables, C-R equations with applications</p> <p>CO4- learn the fundamental knowledge of Trees, Graphs etc.</p> <p>CO5- understand the basic techniques of statistics like correlation, regression, and curve fitting for data analysis, Machine learning, and AI.</p> <p>CO6- understand some advanced topics of probability, random variables with their distributions and expectations.</p>
ITC302	Data Structures & Analysis	<p>At the end of the course student will be able to learn:</p> <p>CO1- the fundamental knowledge of data structures</p> <p>CO2- the programming knowledge which can be applied to sophisticated data structures.</p> <p>CO3- the fundamental knowledge of stacks queue, linked list etc.</p> <p>CO4- the fundamental knowledge of Trees, Graphs etc.</p> <p>CO5- the fundamental knowledge of different sorting, searching, hashing and recursion techniques</p> <p>CO6- the real time applications for stacks, queue, linked list, trees, graphs etc.</p>
ITC303	Database Management Systems	<p>At the end of the course student will be able to:</p> <p>CO1- learn the basics and understand the need of database management system</p>



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		<p>CO2- construct conceptual data model for real world applications</p> <p>CO3- Build Relational Model from ER/EER</p> <p>CO4- introduce the concept of SQL to store and retrieve data efficiently</p> <p>CO5- demonstrate notions of normalization for database design</p> <p>CO6- understand the concepts of transaction processing- concurrency control & recovery procedures</p>
ITC304	Principle of Communication	<p>At the end of the course student will be able to:</p> <p>CO1- study the basic of Analog and Digital Communication Systems</p> <p>CO2- describe the concept of Noise and Fourier Transform for analyzing communication systems</p> <p>CO3- acquire the knowledge of different modulation techniques such as AM, FM and study the block diagram of transmitter and receiver</p> <p>CO4- study the Sampling theorem and Pulse Analog and digital modulation techniques</p> <p>CO5- learn the concept of multiplexing and digital band pass modulation techniques</p> <p>CO6- gain the core idea of electromagnetic radiation and propagation of waves</p>
ITC305	Paradigms and Computer Programming Fundamentals	<p>At the end of the course student will be able to:</p> <p>CO1- Understand and Compare different programming paradigms.</p> <p>CO2- Understand the Object Oriented Constructs and use them in program design</p> <p>CO3- Understand the concepts of declarative programming paradigms through functional and logic programming</p>



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		<p>CO4- Design and Develop programs based on declarative programming paradigm using functional and/or logic programming</p> <p>CO5- Understand the role of concurrency in parallel and distributed programming</p> <p>CO6- Understand different application domains for use of scripting languages</p>
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