



Vidya Vikas Education Trust's
Universal College of Engineering, Kaman Road, Vasai-401208
Accredited B+ Grade by NAAC

DEPARTMENT OF COMPUTER ENGINEERING

Academic year: 2023-24

Semester: V

Branch: Computer

Course Code	Course Name	COs
CSC501	Theoretical Computer Science	Student will be able to: CO1. Understand concepts of Theoretical Computer Science, difference and equivalence of DFA and NFA, languages described by finite automata and regular expressions. CO2. Design Context free grammar, pushdown automata to recognize the language. CO3. Develop an understanding of computation through Turing Machine. CO4. Acquire fundamental understanding of decidability and undecidability.
CSC502	Software Engineering	Student will be able to: CO1. Identify requirements & assess the process models. CO2. Plan, schedule and track the progress of the projects. CO3. Design the software projects CO4. Do testing of software project CO5. Identify risks, manage the change to assure quality in software projects
CSC503	Computer Network	Student will be able to: CO1. Demonstrate the concepts of data communication at physical layer and compare ISO - OSI model with TCP/IP model CO2. Explore different design issues at data link layer CO3. Design the network using IP addressing and sub netting / super netting schemes. CO4. Analyze transport layer protocols and congestion control algorithms CO5. Explore protocols at application layer



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CSC504	Data Warehousing & Mining	Student will be able to: CO1. Understand data warehouse fundamentals and design data warehouse with dimensional modeling and apply OLAP operations CO2. Understand data mining principle sand perform Data preprocessing and Visualization. CO3. Identify appropriate data mining algorithms to solve real world problems CO4. Compare and evaluate different data mining techniques like classification, prediction, clustering and association rule mining CO5. Describe complex information and social networks with respect to web mining.
CSDLO 5012	Internet Programming	Student will be able to: CO1. Implement interactive webpage(s) using HTML and CSS CO2. Design a responsive web site using JavaScript CO3. Demonstrate database connectivity using JDBC CO4. Demonstrate Rich Internet Application using Ajax CO5. Demonstrate and differentiate various Web Extensions CO6. Demonstrate web application using Reactive Js