VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

Sponsored by Lavu Educational Society, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad.
Kondapur (V), Ghatkesar (M), Medchal - Malkajgiri (D) - 501 301 TS INDIA
Phone: +08615 200006/07/08   Email: info@vmtw.in

Department of Computer Science and Engineering

III Year-I Semester

COURSE: Design and Analysis of Algorithms_ CS501PC	
Subject Code	**Course Outcomes**
CS501PC.1	Understand the fundamentals for analyzing time and space complexity of algorithms
CS501PC.2	Describe the basic principles of various algorithms and design techniques
CS501PC.3	Apply appropriate algorithm design technique to solve real time application
CS501PC.4	Identify suitable method to solve optimization problem
CS501PC.5	Understand P and NP problems and analyze the performance of algorithm designed for real time application

Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	CO Average
CS501PC.1	3	3	2	2	2	2	0	0	1	1	1	1	1.5
CS501PC.2	1	2	2	1	1	1	0	0	1	1	1	1	1
CS501PC.3	2	3	3	1	1	1	0	0	1	1	1	1	1.25
CS501PC.4	2	3	3	1	1	1	0	0	1	1	1	1	1.25
CS501PC.5	1	2	2	2	2	2	0	0	1	1	1	1	1.25
PO Average	1.8	2.6	2.4	1.4	1.4	1.4	0	0	1	1	1	1	1.25

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III Year-I Semester

COURSE: Data Communications and Computer Networks_ CS502PC

Subject Code	Course Outcomes
CS502PC.1	Understand the basic network infrastructure to learn the overall function of networking systems
CS502PC.2	Classify various wired and wireless transmission media for data communication networks
CS502PC.3	Apply knowledge of different techniques of error detection and correction to detect and solve error bit during data transmission
CS502PC.4	Compare various routing algorithm and select an appropriate one for a routing design
CS502PC.5	Design a network routing for IP networks and understand the internalfunctionalities of main protocols such as HTTP, FTP, SMTP, TCP, UDP, IP

Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	CO Average
CS502PC.1	2	2	2	2	2	2	0	0	2	2	2	2	1.67
CS502PC.2	2	1	0	3	2	1	0	0	1	1	1	1	1.08
CS502PC.3	2	1	0	3	2	1	0	0	1	1	1	1	1.08
CS502PC.4	2	1	0	3	3	1	0	0	1	1	1	1	1.17
CS502PC.5	2	2	0	2	2	2	0	0	2	2	2	2	1.5
PO Average	2	1.4	0.4	2.6	2.2	1.4	0	0	1.4	1.4	1.4	1.4	1.3

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III Year-I Semester

COURSE: Software Engineering_ CS503PC	
Subject Code	**Course Outcomes**
CS503PC.1	Understand the need of Software Life Cycle Models
CS503PC.2	Demonstrate the Requirements of the Software Systems process
CS503PC.3	Summarize the system models of software engineering
CS503PC.4	Choose appropriate software architecture style for real0time software projects
CS503PC.5	Analyze various testing techniques and analyze Risk management and Software quality of the software products

Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	CO Average
CS503PC.1	3	3	2	2	2	1	0	0	1	1	1	1	1.42
CS503PC.2	3	3	2	2	2	1	0	0	1	1	1	1	1.42
CS503PC.3	3	2	2	2	2	1	0	0	1	1	1	1	1.33
CS503PC.4	2	2	2	2	2	1	0	0	1	1	1	1	1.25
CS503PC.5	2	2	2	2	2	1	0	0	1	1	1	1	1.25
PO Average	2.6	2.4	2	2	2	1	0	0	1	1	1	1	1.33

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III Year-I Semester

COURSE: Fundamentals of Managements _ SM504MS	
Subject Code	**Course Outcomes**
SM504MS.1	Understand the nature, scope, functions, importance and role of Management in the organization and the skills required and challenges to be handled by the management in the contemporary business situations
SM504MS.2	Summarize and Compare various schools of Management Thought and visualize Management as an overall perspective.
SM504MS.3	Understand the general framework for Planning, Planning Process, Types of Plans, Management Strategies and Management by Objectives and Develop a Business Strategy..
SM504MS.4	Plan, formulate and prepare Programs or schedule activities. Problem Solving and Decision0making and Influences on Decision making and controlling the activities as per the plan.
SM504MS.5	Analyze the functioning and performance and build an organizational structure based on the level of understanding of the objectives and strategies and Understand Human Resource Management functions and Business Strategies, Leadership and motivational aspects and related theories

Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	CO Average
SM504MS.1	0	1	0	1	1	2	0	3	2	2	2	0	1.17
SM504MS.2	1	1	2	2	1	0	0	0	0	0	1	0	0.67
SM504MS.3	1	1	2	2	1	0	0	0	0	0	3	0	0.83
SM504MS.4	1	1	2	2	1	0	0	0	0	0	3	0	0.83
SM504MS.5	0	1	0	0	2	0	0	0	2	2	3	0	0.83
PO Average	0.6	1	1.2	1.4	1.2	0.4	0	0.6	0.8	0.8	2.4	0	0.87

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III Year-I Semester

COURSE: Computer Graphics_ ME512OE	
Subject Code	**Course Outcomes**
ME512OE.1	Understand the basic methodologies and hardware functionalities of computer graphics
ME512OE.2	Explain the algorithms for rasterization and clipping of 2D graphic primitives
ME512OE.3	Understand the basics of 2D and 3D Transformations
ME512OE.4	Illustrate various curves and surface generation methods
ME512OE.5	Summarize projections types and algorithms for visible surface detection methods and identify new tools for developing animations

Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	CO Average
ME512OE.1	2	2	3	1	3	3	0	0	1	1	1	1	1.5
ME512OE.2	2	2	3	1	3	3	0	0	1	1	1	1	1.5
ME512OE.3	2	2	2	1	3	3	0	0	1	1	1	1	1.42
ME512OE.4	2	2	2	1	3	3	0	0	1	1	1	1	1.42
ME512OE.5	0	2	2	1	3	3	0	0	1	1	1	1	1.25
PO Average	1.6	2	2.4	1	3	3	0	0	1	1	1	1	1.42

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III Year-I Semester

COURSE: Design and Analysis of Algorithms Lab_ CS505PC	
Subject Code	**Course Outcomes**
CS505PC.1	Implementing java programs for basic searching Algorithms.
CS505PC.2	Implementing java programs for basic sorting Algorithms.
CS505PC.3	Implementing java programs to solve problems using divide and conquer strategy
CS505PC.4	Implementing java programs to solve problems using backtracking strategy
CS505PC.5	Implementing java programs to solve problems using greedy method.

Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	CO Average
CS505PC.1	3	3	2	2	2	2	0	0	1	1	1	1	1.5
CS505PC.2	1	2	2	1	1	1	0	0	1	1	1	1	1
CS505PC.3	2	3	3	1	1	1	0	0	1	1	1	1	1.25
CS505PC.4	2	3	3	1	1	1	0	0	1	1	1	1	1.25
CS505PC.5	1	2	2	2	2	2	0	0	1	1	1	1	1.25
PO Average	1.8	2.6	2.4	1.4	1.4	1.4	0	0	1	1	1	1	1.25

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III Year-I Semester

COURSE: Computer Networks Lab_ CS506PC	
Subject Code	**Course Outcomes**
CS506PC.1	Implement the data link layer framing methods
CS506PC.2	Implement CRC error detection technique
CS506PC.3	Examine various routing algorithms for reliable data communication networks
CS506PC.4	Implement Dijkstra Algorithm to compute the shortest path
CS506PC.5	Implement encryption and decryption algorithm and security technique using RSA Algorithm

Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	CO Average
CS506PC.1	2	2	2	2	2	2	0	0	2	2	2	2	1.67
CS506PC.2	2	1	0	3	2	1	0	0	1	1	1	1	1.08
CS506PC.3	2	1	0	3	2	1	0	0	1	1	1	1	1.08
CS506PC.4	2	1	0	3	3	1	0	0	1	1	1	1	1.17
CS506PC.5	2	2	0	2	2	2	0	0	2	2	2	2	1.5
PO Average	2	1.4	0.4	2.6	2.2	1.4	0	0	1.4	1.4	1.4	1.4	1.3

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III Year-I Semester

COURSE: Software Engineering Lab_ CS507PC	
Subject Code	**Course Outcomes**
CS507PC.1	Able to prepare SRS document, design document, test cases and software configuration management and risk management related document.
CS507PC.2	Develop function oriented and object oriented software design using tools like rational rose
CS507PC.3	Able to perform unit testing and integration testing
CS507PC.4	Apply various white box and black box testing techniques
CS507PC.5	Able to track the progress of a project using Openproj tool and Implement SDLC with the help of a case study

Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	CO Average
CS507PC.1	3	3	2	2	2	1	0	0	1	1	1	1	1.42
CS507PC.2	3	3	2	2	2	1	0	0	1	1	1	1	1.42
CS507PC.3	3	2	2	2	2	1	0	0	1	1	1	1	1.33
CS507PC.4	2	2	2	2	2	1	0	0	1	1	1	1	1.25
CS507PC.5	2	2	2	2	2	1	0	0	1	1	1	1	1.25
PO Average	3	2.67	2	2	2	1	0	0	1	1	1	1	1.39

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III Year-I Semester

COURSE: Professional Ethics _ MC500HS	
Subject Code	**Course Outcomes**
MC500HS.1	Understand the core values that shape the ethical behavior of an engineer and Exposed awareness on professional ethics and human values.
MC500HS.2	understand the basic perception of profession, professional ethics, various moral issues & uses of ethical theories
MC500HS.3	understand various social issues, industrial standards, code of ethics and role of professional ethics in engineering field
MC500HS.4	Aware of responsibilities of an engineer for safety and risk benefit analysis, professional rights and responsibilities of an engineer
MC500HS 5	acquire knowledge about various roles of engineers in variety of global issues and able to apply ethical principles to resolve situations that arise in their professional lives

Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	CO Average
MC500HS.1	0	0	0	0	0	1	1	3	1	2	0	0	0.67
MC500HS.2	0	0	0	0	0	1	1	3	1	2	0	0	0.67
MC500HS.3	0	0	0	0	0	3	2	3	1	1	0	0	0.83
MC500HS.4	0	0	0	0	0	3	2	1	1	1	0	0	0.67
MC500HS 5	0	0	0	0	0	3	2	2	1	1	3	0	1
PO Average	0	0	0	0	0	2.2	1.6	2.4	1	1.4	0.6	0	0.77