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

II Year-I Semester

COURSE: MATHEMATICS IV _ MA301BS	
Subject Code	**Course Outcomes**
MA301BS.1	Students will able to analyze the complex functions with reference to their analyticity, integration using Cauchy's integral theorem
MA301BS.2	Student able to find the Taylor's and Laurent's series expansion of complex functions
MA301BS.3	Students will able solve the improper integrals and the bilinear transformation
MA301BS.4	Students will able to find Fourier series representation of a function in single variable and use it to solve wave, diffusion and Laplace equation.
MA301BS.5	Students will able to solve partial differential equations and apply them in different engineering problems.

Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	CO Average
MA301BS.1	3	3	3	2	2	1	0	0	0	1	1	2	1.5
MA301BS.2	3	2	2	2	1	2	0	0	0	1	2	1	1.33
MA301BS.3	3	3	2	2	2	1	0	0	1	2	1	1	1.5
MA301BS.4	3	3	3	3	2	1	0	0	1	1	1	1	1.58
MA301BS.5	3	2	2	2	2	1	0	0	1	1	1	1	1.33
PO Average	3	2.6	2.4	2.2	1.8	1.2	0	0	0.6	1.2	1.2	1.2	1.45

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II Year-I Semester

COURSE: Data Structures THROUGH C++_ CS302ES	
Subject Code	**Course Outcomes**
CS302ES.1	Summarize object oriented programming concepts and understand the concepts of C++
CS302ES.2	Explain basic operations of stacks, queues, and linked0lists
CS302ES.3	Understand the basic operations of trees and its types
CS302ES.4	Understand various sorting, searching and hashing techniques for a given problem
CS302ES.5	Demonstrate graph traversal algorithms and height balancing in AVL and B trees

Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	CO Average
CS302ES.1	3	2	3	2	3	2	1	1	1	1	1	1	1.75
CS302ES.2	3	1	3	2	3	1	1	1	1	1	1	1	1.58
CS302ES.3	1	1	2	2	2	1	1	1	1	1	1	1	1.25
CS302ES.4	2	1	3	2	3	1	1	1	1	1	1	1	1.5
CS302ES.5	3	1	3	2	3	1	1	1	1	1	1	1	1.58
PO Average	2.4	1.2	2.8	2	2.8	1.2	1	1	1	1	1	1	1.53

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II Year-I Semester

COURSE: Digital Logic Design _ CS304ES

Subject Code	Course Outcomes
CS304ES.1	Recognize the conversion of one number system to other Number system
CS304ES.2	Classify different logic circuits by using Universal gates
CS304ES.3	Execute Boolean algebra and K0map as a tool to simplify and design logic circuits
CS304ES.4	Implement and analyze the operation of Combinational and Sequential Circuits
CS304ES.5	Check various types of sequential circuits like counters and universal Shift Registers and Understand Memories and Arithmetic and Logic micro operations

Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	CO Average
CS304ES .1	3	3	1	0	0	2	0	0	0	0	0	0	0.75
CS304ES.2	3	3	1	0	0	2	0	0	0	0	0	0	0.75
CS304ES.3	3	3	1	0	0	2	0	0	0	0	0	0	0.75
CS304ES.4	3	2	2	0	0	3	0	0	0	0	0	0	0.83
CS304ES.5	3	2	1	0	0	3	0	0	0	0	0	0	0.75
PO Average	3	2.6	1.2	0	0	2.4	0	0	0	0	0	0	0.77

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II Year-I Semester

COURSE: Mathematical Foundations and Computer Systems_ CS303ES

Subject Code	Course Outcomes
CS303ES.1	Understand mathematical logic and predicates
CS303ES.2	Explain set theory, functions and algebraic structures
CS303ES.3	Demonstrate the ability to describe computer programs using Recursive Functions
CS303ES.4	Apply basic Counting techniques to solve Combinatorial Problems
CS303ES.5	Utilize generating functions and substitutions to solve recurrence relations and demonstrate the Graphs and Trees as tools to visualize and simplify situations

Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	CO Average
CS303ES.1	3	2	1	1	1	1	0	0	1	1	1	1	1.08
CS303ES.2	3	2	2	1	1	1	0	0	1	1	1	1	1.17
CS303ES.3	2	3	2	1	1	1	0	0	1	1	1	1	1.17
CS303ES.4	2	3	1	1	1	1	0	0	1	1	1	1	1.08
CS303ES.5	2	3	1	1	1	1	0	0	1	1	1	1	1.08
PO Average	2.4	2.6	1.4	1	1	1	0	0	1	1	1	1	1.12

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II Year-I Semester

COURSE: Object Oriented Programming Through Java _ CS305ES	
Subject Code	**Course Outcomes**
CS305ES.1	Summarize object oriented programming concepts
CS305ES.2	Develop applications using different types of inheritances
CS305ES.3	Create and use user defined packages, streams and utilities
CS305ES.4	Analyze and recover runtime exceptions arise in the applications
CS305ES.5	Apply parallel processing applications using threads and develop internet based interactive applications using peripheral functions (API)

Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	CO Average
CS305ES.1	3	2	3	2	3	2	1	1	1	1	1	1	1.75
CS305ES.2	3	1	3	2	3	1	1	1	1	1	1	1	1.58
CS305ES.3	1	1	2	2	2	1	1	1	1	1	1	1	1.25
CS305ES.4	2	1	3	2	3	1	1	1	1	1	1	1	1.5
CS305ES.5	3	1	3	2	3	1	1	1	1	1	1	1	1.58
PO Average	2.4	1.2	2.8	2	2.8	1.2	1	1	1	1	1	1	1.53

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II Year-I Semester

COURSE: IT Workshop Lab _ CS307ES	
Subject Code	**Course Outcomes**
CS307ES.1	Apply knowledge to assemble the computer
CS307ES.2	Learn types software installations
CS307ES.3	Ability to solve various trouble shooting
CS307ES.4	Make use of MS Office package
CS307ES.5	Design the documents and presentations by using MS Word and Power Point Presentation and Design the tabular and graphical representation of budget sheet etc using MS Excel

Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	CO Average
CS307ES.1	2	1	3	0	2	1	1	0	0	2	1	1	1.17
CS307ES.2	2	1	2	0	2	1	1	0	0	2	1	1	1.08
CS307ES.3	2	1	2	0	3	1	1	0	0	3	1	1	1.25
CS307ES.4	2	1	3	0	3	1	1	0	0	3	1	1	1.33
CS307ES.5	2	1	3	0	3	1	1	0	0	3	1	1	1.33
PO Average	2	1	2.6	0	2.6	1	1	0	0	2.6	1	1	1.23

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II Year-I Semester

COURSE: Object Oriented Programming Through Java Lab _ CS308ES

Subject Code	Course Outcomes
CS308ES.1	Make use of JAVA SDK environment to create 0 debug and run java programs
CS308ES.2	Create applications based on code reusability
CS308ES.3	Develop programs using threads
CS308ES.4	Develop and debug real time problems using exception handling
CS308ES.5	Create interactive applications using event handling mechanisms and develop applications using utilities.

Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	CO Average
CS308ES.1	3	2	3	2	3	2	1	1	1	1	1	1	1.75
CS308ES.2	3	1	3	2	3	1	1	1	1	1	1	1	1.58
CS308ES.3	1	1	2	2	2	1	1	1	1	1	1	1	1.25
CS308ES.4	2	1	3	2	3	1	1	1	1	1	1	1	1.5
CS308ES.5	3	1	3	2	3	1	1	1	1	1	1	1	1.58
PO Average	2.4	1.2	2.8	2	2.8	1.2	1	1	1	1	1	1	1.53

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II Year-I Semester

COURSE: Environmental Science and Technology_MC300 ES	
Subject Code	**Course Outcomes**
MC300ES.1	understand technologies on the basis of ecological principles principles and environmental regulations
MC300ES.2	evaluate technologies on the basis of ecological principles principles and environmental regulations
MC300ES.3	develop technologies on the basis of ecological principles principles and environmental regulations
MC300ES.4	understand the impacts of developmental activities and mitigation measures
MC300ES.5	understand the importance of ecological balance for sustainable development

Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	CO Average
MC300ES.1	1	1	0	1	2	3	3	2	2	3	2	3	1.92
MC300ES.2	1	1	1	1	1	3	3	2	2	3	2	3	1.92
MC300ES.3	1	0	1	1	2	3	3	2	2	3	2	3	1.92
MC300ES.4	1	1	1	1	2	2	3	2	2	2	2	2	1.75
MC300ES.5	1	1	1	2	2	2	3	2	2	3	2	2	1.92
PO Average	1	0.8	0.8	1.2	1.8	2.6	3	2	2	2.8	2	2.6	1.88