



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 Phone: +91 96529 10002/3



Department of Computer Science and Engineering

I B. Tech II Semester

SUBJECT: Mathematics - II (MA201BS)

At the end of the course, the student will be able to

S.No.	COURSE OUTCOMES	BT Level
CO1	Apply Laplace transforms to solve initial value problems used in different areas of engineering	3
CO2	Evaluate improper integrals using Beta and Gamma functions	5
CO3	Multiple integrals and can apply these concepts to find the area and volume of various regions using double and triple integrals.	3
CO4	Learn fundamental vector calculus apply those logics in the fields like gravitation and electric fields	1
CO5	Evaluate the line, surface and volume integrals and converting them from one to another	5

MAPPING

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	2	2	2	-	-	-	3	2	2	-	-	-
CO2	3	2	3	3	1	3	-	-	-	3	2	2	-	-	-
CO3	3	3	2	2	2	2	-	-	-	2	2	3	-	-	-
CO4	3	2	2	2	2	3	-	-	-	3	2	2	-	-	-
CO5	3	2	2	2	2	2	-	-	-	2	2	3	-	-	-
Average	3	2.4	2.4	2.2	1.8	2.4	-	-	-	2.6	2	2.4	-	-	-



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SUBJECT: Applied Physics (AP202BS)

At the end of the course, the student will be able to

S.No.	COURSE OUTCOMES	BT Level
CO1	Learn the fundamental concepts on Quantum behavior of matter in its micro state.	1
CO2	The knowledge of fundamentals of Semiconductor physics, Optoelectronics, Lasers and fiber optics enable the students to apply to various systems like communications, solar cell, photo cells and so on.	2
CO3	Design, characterization and study of properties of material help the students to prepare new materials for various engineering applications.	3
CO4	Demonstrate competency and understanding of the concepts found in Fiber optics and lasers.	4
CO5	The course also helps the students to be exposed to the phenomena of electromagnetism and also to have exposure on magnetic materials and dielectric materials.	5

MAPPING

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	3	2	2	2	-	-	-	-	-	2	-	-	-
CO2	3	2	2	2	2	2	-	-	-	-	-	-	-	-	-
CO3	3	2	3	2	3	2	-	-	-	-	-	-	-	-	-
CO4	2	2	2	2	3	3	-	-	-	-	-	-	-	-	-
CO5	3	2	2	2	2	3	-	-	-	-	-	-	-	-	-
Average	2.8	2	2.4	2	2.4	2.4	-	-	-	-	-	2	-	-	-



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SUBJECT: Programming For Problem Solving (CS203ES)

At the end of the course, the student will be able to

S.No.	COURSE OUTCOMES	BT Level
CO1	Develop the flow charts and algorithms, and then implement, compile and debug programs in C language for solving a problem	1
CO2	Design programs involving decision structures, loops for problem solving	2
CO3	Design programs to develop applications using array data structure	3
CO4	Solve scientific problems using functions	4
CO5	Make use of pointers to design applications for efficient and dynamic memory allocation	5

MAPPING

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	3	3	-	-	-	-	3	-	3	3	2	-
CO2	2	3	2	3	3	-	-	-	-	2	-	3	3	2	-
CO3	2	3	2	3	3	-	-	-	-	2	-	2	3	2	-
CO4	3	3	3	3	3	-	-	-	-	3	-	2	3	2	-
CO5	3	2	3	2	2	-	-	-	-	3	-	3	3	2	-
Average	2.6	2.8	2.6	2.8	2.8	-	-	-	-	2.6	-	2.6	3	2	-



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SUBJECT: Engineering Graphics (ME204ES)

At the end of the course, the student will be able to

S.No.	COURSE OUTCOMES	BT Level
CO1	Draw various engineering curves in different methods and learned methods of dimensioning	1
CO2	Draw the first and third angle projections of points, lines and planes.	2
CO3	Draw the projections of solids.	3
CO4	Draw the projections of sections and developments of solids.	4
CO5	Draw the isometric views and convert isometric to orthographic and vice versa.	5

MAPPING

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	-	3	-	3	-	-	-	-	2	-	2	-	-	-
CO2	3	-	1	-	2	-	-	-	-	3	-	2	-	-	-
CO3	3	-	3	-	2	-	-	-	-	2	-	3	-	-	-
CO4	3	-	3	-	2	-	-	-	-	3	-	3	-	-	-
CO5	3	-	2	-	3	-	-	-	-	3	-	3	-	-	-
Average	3	-	2.4	-	2.4	-	-	-	-	2.6	-	2.6	-	-	-



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SUBJECT: Programming For Problem Solving Lab (CS206ES)

At the end of the course, the student will be able to

S.No.	COURSE OUTCOMES	BT Level
CO1	Implement, compile and debug programs in C language for solving a problem	1
CO2	Design programs involving decision structures, loops for problem solving	2
CO3	Design programs to develop applications using array data structure	3
CO4	Apply functions to solve real world problems	3
CO5	Make use of pointers to design applications with efficient use of memory	5

MAPPING

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	2	2	3	-	-	3	2	-	-	3	3	3	-
CO2	3	3	3	2	3	-	-	2	3	-	-	3	3	3	-
CO3	3	3	3	2	3	-	-	3	3	-	-	3	3	3	-
CO4	3	2	3	2	3	-	-	2	2	-	-	3	3	3	-
CO5	3	2	3	3	3	-	-	2	3	-	-	3	3	3	-
Average	3	2.4	2.8	2.2	3	-	-	2.4	2.6	-	-	3	3	3	-



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SUBJECT: Environmental Science(MC209ES)

At the end of the course, the student will be able to

S.No.	COURSE OUTCOMES	BT Level
CO1	Understand technologies on the basis of ecological principles principles and environmental regulations	1
CO2	Evaluate technologies on the basis of ecological principles principles and environmental regulations	2
CO3	Develop technologies on the basis of ecological principles principles and environmental regulations	3
CO4	Understand the impacts of developmental activities and mitigation measures	4
CO5	Understand the importance of ecological balance for sustainable development	5

MAPPING

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	-	-	-	-	2	3	2	-	-	-	2	-	-	2
CO2	2	-	-	-	-	3	3	2	-	-	-	2	-	-	2
CO3	2	-	-	-	-	3	3	2	-	-	-	3	-	-	2
CO4	2	-	-	-	-	2	3	2	-	-	-	2	-	-	2
CO5	3	-	-	-	-	2	3	2	-	-	-	2	-	-	2
Average	2.2	-	-	-	-	2.4	3	2	-	-	-	2.2	-	-	2