

G.S.Mandal's

Maharashtra Institute of Technology, Aurangabad. Electronics and Computer Engineering Department

Second Year (2022-2023)

Course Outcome

Course Name: BSH 201 Vector & Partial Differential Equation Year of Study: 2022-2023

BSH 201.1	Find Laplace transform of the given function. (BL-I)
BSH 201.2	Make Use of complex number to find roots, separate complex quantities and establish relation between circular and hyperbolic functions. (BL-III)
BSH 201.3	Apply the matrix technique(Linear algebra) to find solutions of system of linear equations arising in many engineering problem.(BL-III)
BSH 201.4	Select and use appropriate probability distribution to find probability. (BL-III)
BSH 201.5	Solve higher order linear differential equations and apply them in electric and mechanical system. (BL-III)
BSH 201.6	Apply Inverse Laplace transforms to initial value problems. (BL-III)

CO PO and PSO Mapping

CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
BSH201.1	2	1	-	-	-	-	-	-	-	-	-	-	1	1	-
BSH201.2	2	1	-	-	-	-	-	-	-	-	-	-	1	1	-
BSH201.3	2	1	-	-	-	-	-	-	-	-	-	1	1	1	-
BSH201.4	2	1	-	-	-	-	-	-	-	-	-	1	-	1	-
BSH201.5	2	1	-	-	-	-	-	-	-	-	-	-	1	1	-
BSH201.6	2	1	-	-	-	-	-	-	-	-	-	-	1	1	-
BSH201	2	1	-	-	-	-	-	-	-	-	-	1	1	1	-

1: Slight (Low)

2: Moderate (Medium)

3: Substantial (High)

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**Maharashtra Institute of Technology, Aurangabad.
Electronics and Computer Engineering Department**

Second Year (2022-2023)

Course Outcome

Course Name: ECE201 Electronic Design Technology **Year of Study: 2022-2023**

ECE201.1	Design Small Signal Amplifier.
ECE201.2	Design IC based Power Amplifier and Special Purpose Amplifier.
ECE201.3	Design of DC Power Supply.
ECE201.4	Design Motor and Relay Drivers.
ECE201.5	Describe different types of sensors and Design PCB for electronic Circuit.
ECE201.6	Simulate Electronics Circuits using Proteus/Eagle.

CO PO and PSO Mapping

CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
ECE201.1			2										1		
ECE201.2			2										1		
ECE201.3			2										1		
ECE201.4			2		1								1		
ECE201.5	2			1						1				1	
ECE201.6				1						1				1	
ECE201	2		2	1	1					1			1	1	

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Second Year (2022-2023)

Course Outcome

Course Name: ECE202 Network Theory Year: 2022-2023

ECE202.1	Solve networks using graph theory and basic circuit laws (III Apply)
ECE202.2	Analyze networks using different theorems (III Apply)
ECE202.3	Illustrate operation of resonant circuits and filters (IV Analysis)
ECE202.4	Describe different types of two port network and their parameters (V Evaluation)
ECE202.5	Conduct experiments on network theorems and parameters of two port networks. (VI Apply)
ECE202.6	Analyze the frequency response of resonant circuits and filters. (V Analysis)

CO PO and PSO Mapping

CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
ECE202.1	1													1	
ECE202.2	1													1	
ECE202.3		1												1	
ECE202.4		1												1	
ECE202.5				2									1		
ECE202.6		1											1		
ECE202	1	1		2											

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Second Year (2022-2023)

Course Outcome

Course Name: ECE203: Data Structure and algorithm Year of Study: 2022-2023

ECE203.1	Identify data types and algorithms (Knowledge)
ECE203.2	Explain data arrays, stacks and queue (Understand)
ECE203.3	Develop a an algorithm based on sorting method, Binary search tree(Apply)
ECE203.4	Correlate linked organization with sequential organization data structure, hashing with B tree (Analyze)
ECE203.5	Develop a program using array, union, stack and queue
ECE203.6	Design a program using linear search and binary search

CO PO and PSO Mapping

CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
ECE203.1	2			-		-	-	-	-	-	-	-			
ECE203.2	1			-		-	-	-	-	-	-	-			
ECE203.3	2	2	2	-		-	-	-	-	-	-				1
ECE203.4				-		-	-	-	-	-	-				
ECE203.5	2		2	-		-	-	-	-	-	-			2	2
ECE203.6	2	2	2	-	3	-	-	-	-	-	-			2	2
ECE203	1.8	2	2	-	3	-	-	-	-	-	-			2	1.25

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Second Year (2022-2023)

Course Outcome

Course Name: ECE204 Programming in Java Year of Study: 2022-2023

ECE204.1	Apply Oops concept using JAVA Programming
ECE204.2	Apply the concepts of classes and objects to write programs in Java
ECE204.3	Demonstrate the concepts of Interfaces & Inheritance
ECE204.4	Describe the concept of multithreading and Exception handling in Java to develop robust programs
ECE204.5	Create Simple Programs in JAVA.(C)
ECE204.6	Develop simple Applets.(A)

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CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
ECE204.1	2					-	-	-	-	-	-	-	1		
ECE204.2					2	-	-	-	-	-	-	-			
ECE204.3					2	-	-	-	-	-	-				
ECE204.4			2			-	-	-	-	-	-				
ECE204.5					2	-	-	-	-	-	-		1		
ECE204.6					2	-	-	-	-	-	-				
ECE204	2		2	2	2	-	-	-	-	-	-		1		

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Course Outcome

Course Name: ECE225 Lab V Data Analytics Year of Study: 2022-2023

ECE225.1	Use the instructions in R language for various operations and their classification.
ECE225.2	Write a program the different algorithms in R script

CO PO Mapping

CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
ECE225.1		1													1
ECE225.2		1													1
ECE225		1													1

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Mrs. S. J. Nandedkar
NBA coordinator

Dr. V. M. Kulkarni
HETCD