

P. R. Pote (Patil) College of Engg and Management, Amravati

Department of Electrical Engg

CO- PO Mapping (All Courses)

Course:-Engineering Mathematics-I – [1A1]												
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	1	-	-	-	-	-	-	-	-	-
CO2	3	2	1	-	-	-	-	-	-	-	-	-
CO3	3	2	1	-	-	-	-	-	-	-	-	-
CO4	3	2	1	-	-	-	-	-	-	-	-	-
CO5	3	2	1	-	-	-	-	-	-	-	-	-
CO6	3	2	1	-	-	-	-	-	-	-	-	-
Avg	3	2	1	-	-	-	-	-	-	-	-	-

Course: Engineering Mechanics (1A3)												
PO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	-	1	1	-	-	-	-	-	-
CO2	2	2	1	-	-	1	-	-	-	-	-	-
CO3	2	1	1	-	1	1	-	-	-	-	-	-
CO4	2	1	-	-	1	-	-	-	-	-	-	-
CO5	2	1	-	-	-	1	-	-	-	-	-	-
CO6	2	2	1	-	-	1	-	-	-	-	-	-
Avg	2	1.33	1	-	1	1	-	-	-	-	-	-

Course:-Engineering Chemistry – [1B2]

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	1									
CO2	3	2	1	1		2	1					
CO3	2	1	2	1		1	2	1				
CO4	2	1	2	1		1	2	1				
CO5	1	1	3	1		2	2					
CO6	1	2	3			3	3					
Avg	2	1.5	2	0.66		1.5	1.66	0.66				

Course: Computer Programming (1 B 3)

PO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	-	-	-	-	-	-	-	-	-	-
CO2	1	-	1	1	-	-	-	-	-	-	-	-
CO3	2	1	1	-	1	-	-	-	-	-	-	-
CO4	1	1	2	2	1	-	-	-	-	-	-	-
CO5	2	1	-	-	2	-	-	-	-	-	-	-
CO6	1	1	-	1	1	-	-	-	-	-	-	-
Avg	1.5	1	1.34	1.34	1.67	-	-	-	-	-	-	-

Second Year (Third Semester)							Academic Year: 2020-21					
Course/Subject: Network Analysis							Course Code: 3EP02					
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
3EP02.1	3	2	1	1	-	-	-	-	-	-	-	-
3EP02.2	3	3	1	1	-	-	-	-	-	-	-	-
3EP02.3	3	3	2	1	-	-	-	-	-	-	-	-
3EP02.4	3	2	1	-	-	1	-	-	-	1	-	-
3EP02.5	3	1	1	1	-	1	-	-	-	-	-	-
3EP02.6	3	2	1	1	1	1	-	-	-	-	-	1

Third Year (Third Semester)							Academic Year: 2020-21					
Course/Subject: ENERGY RESOURCES AND GENERATION							Course Code: 3EP03					
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
3EP03.1	2	2	2				3					
3EP03.2	2	2	2				3					
3EP03.3	2	2	3	2			3					
3EP03.4	2	2	2	2			3					
3EP03.5	2	2	2	2			3					
3EP03.6	2	2	2				3					3
3EP03	2	2	2.16	2			3					3

5												
3EP05. 6	3	1	-	1	-	-	-	-	-	-	-	-
3EP052	-	-	-	-	-	-	-	-	-	-	-	-

Second Year (Third Semester)								Academic Year: 2020-21				
Course/Subject: Electrical Measuring Instrument's Lab								Course Code: 3EP08				
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
CO1	2	1	1	1	-	-	-	-	-	-	-	1
CO2	2	1	1	-	-	-	-	-	-	-	-	1
CO3	2	2	1		-	-	-	-	-	-	-	-

Second Year (Fourth Semester)							Academic Year: 2020-21					
Course/Subject: ELECTRICAL MACHINE-I							Course Code: 4EPO1					
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
4EP01. 1	3	2		1		-	-	-		1		2
4EP01. 2	3	3		2	1		-	-				2
4EP01. 3	3	3		2	1		-	-	-	1	-	2
4EP01. 4	3	3	2	2	1	-	-	-	-	1	-	2
4EP01. 5	3	3	1	2	1	-	-	-	-	1	-	2

4EP03. 4		3		1								
4EP03. 5	2		3									
4EP03. 6	2		3									
4EP03. 7	2	2.5	3	1								

Course:- Engineering Mathematics III— [4EP04]

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	2	-								
CO2	3	3	2			-						
CO3	3	3	1	-		-						
CO4	3	3	2			-						
CO5	3	2	2	-								-
CO6	3	2	1									-
Avg	3	2.67	1.67									

Second Year (Fourth Semester)							Academic Year: 2020-21					
Course/Subject: ELECTRICAL MACHINE-I (Lab)							Course Code: 4EPO6					
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
4EP06.1	2	3		3	1	1	-	-	1	3	1	2
4EP06.2	2	3		3	1	1	-	-	1	3	1	2

Third Year (Fifth Semester)						Academic Year: 2020-21						
Course/Subject: MPMC						Course Code: 5EP02						
CO	PO 1	PO 2	PO 3	PO4	PO5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
5EP02.1	3	3	3	3	3				2	2	2	1
5EP02.2	3	3	3	3	3				2	2	2	1
5EP02.3	3	3	3	2	3				2	2	2	1
5EP02.4	2	2	3	2	2				2	2	2	1
5EP02.5	2	3	2	2	2							
5EP02	2.6	2.8	2.8	2.4	2,6				2	2	2	1

Third Year (Fifth Semester)						Academic Year: 2020-21						
Course/Subject: Electrical Machine II						Course Code: 5EP03						
CO	PO 1	PO 2	PO 3	PO4	PO5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
5EP03.1	3	2			-	-	-	-	-	-	-	-
5EP03.2	3	2		1	-	-	-	-	-	-	-	-
5EP03.3	3			1	-	-	-	-	-	-	-	-
5EP03.4	3	2	1	1	-	-	-	-	-	-	-	-
5EP03.5	3			1	-	-	-	-	-	-	-	-
5EP03.6	3			1	-	-	-	-	-	-	-	-

Third Year (5th Semester)						Academic Year: 2020-21						
Course/Subject: Signals and Systems						Course Code: 5EP04						
CO	PO 1	PO 2	PO 3	PO4	PO5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
5EP04.1	3	2	-	-	1	-	-	-	-	-	-	-
5EP04.2	3	2	-	-	-	-	-	-	-	-	-	-
5EP04.3	1	2	1	-	-	-	-	-	-	-	-	-
5EP04.4	1	-	3	1	-	-	-	-	-	-	-	-
5EP04.5	1	2		-	-	-	-	-	-	-	-	-
5EP04.6	3	2			-	-	-	-	-	-	-	-
5EP04	2	2	2	1	1	-	-	-	-	-	-	-

6EP03.4	2	2	2	-	-	-	-	-	-	-	-	-
6EP03.5	2	2	2	-	-	-	-	-	-	-	-	-
6EP03.6	2	2	3	-	-	-	2	-	-	-	-	-
6EP03	2.33	2	2.2	-	-	2	2	-	-	-	-	-

Third Year (Six Semester)							Academic Year: 2020-21						
Course/Subject: Computer aided Electrical machine Design							Course Code: 6EP04						
CO	PO 1	PO 2	PO 3	PO4	PO5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	
6EP04.1	3	2	-	-	-	-	-	-	-	-	-	-	
6EP04.2	3	1	2	2	-	-	-	-	-	-	-	-	
6EP04.3	3	2	2	2	-	-	-	-	-	-	-	-	
6EP04.4	3	2	2	1	-	-	-	-	-	-	-	-	
6EP04.5	3	1	2	-	-	-	-	-	-	-	-	-	
6EP04.6	3	1	-	-	-	-	-	-	-	-	-	-	

Third Year (Six Semester)							Academic Year: 2020-21						
Course/Subject: Free Elective							Course Code: 6FEMO5						
CO	PO 1	PO 2	PO 3	PO4	PO5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	
6FEMO5.1	2	3	2	2	-	-	-	-	-	2	-	-	
6FEMO5.2	2	2	-	-	-	-	-	-	-	-	-	-	
6FEMO5.3	2	2	2	-	-	-	2	-	-	-	-	2	
6FEMO5.4	2	2	-	-	-	-	-	-	-	-	-	-	
6FEMO5.5	2	2	-	-	-	-	-	-	-	-	-	-	
6FEMO5.6	2	2	2	-	-	-	-	-	-	-	-	-	

Third Year (Sixth Semester)							Academic Year: 2020-21									
Course/Subject: EEU							Course Code: 6EP06									
CO	P 0	P 0	P 0	PO 4	PO 5	P 0	P 0	P 0	P 0	P 0	P 0	P 0	P 0	PSO 1	PSO 2	PSO 3

	1	2	3			6	7	8	9	10	11	12			
6EP06.1	3	1											2		
6EP06.2	3	2		1									2		
6EP06.3	3	2		1									2		
6EP06.4	3	2				1						1	2		2
6EP06.5	3	1											2		2
6EP06.6	3												2		
Average	3	1.6		1		1						1	2		2

Third Year (Six Semester)							Academic Year: 2020-21					
Course/Subject: NA LAB							Course Code: 6EP07					
CO	PO 1	PO 2	PO 3	PO4	PO5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
6EP07.1	3			3								
6EP07.2	2	2	3		3		3					
6EP07.3	2	2	3		3		3					
6EP07.4	2	2	3		3		3					3
6EP07	2	2	1.67		3		2.75					3

Third Year (Six Semester)							Academic Year: 2020-21					
Course/Subject: NA LAB							Course Code: 6EP09					
CO	PO 1	PO 2	PO 3	PO4	PO5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
6EP09.1	3	1	-	-	-	1	-	-	2	3	-	2
6EP09.2	3	1	-	-	-	1	-	-	2	3	-	2
6EP09.3	3	1	-	-	-	1	-	-	2	3	-	2
6EP09.4	3	1	-	-	-	1	-	-	2	3	-	2
6EP09.5	2	1	-	-	-	1	-	-	2	2	-	2
6EP09	2.8	1	-	-	-	1	-	-	2	2.8	-	2

Final Year (Seventh Semester)							Academic Year: 2020-2021					
Course/Subject: Control System II							Course Code: 7EP01					
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
7EP01.1	3	2	1		-	-	-	-	-	-	-	-
7EP01.2	3	3			-	-	-	-	-	-	-	
7EP01.3	1	3	2		-	-	-	-	-	-	-	-
7EP01.4	3	3			-	-	-	-	-	-	-	-
7EP01.5	3	3			-	-	-	-	-	-	-	-
7EP01.6	1	3		2	2		-	-	-	-	-	-

Final Year (Seven Semester)							Academic Year: 2020-21					
Course/Subject: PSOC							Course Code:					
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
7EP02.1	3	2	-	1	-	-	1	-	-	-	-	-
7EP02.2	3	2	-	1	-	-	-	-	1	-	1	2
7EP02.3	2	2	-	2	-	-	-	-	-	1	-	1
7EP02.4	3	2	-	-	1	-	-	-	-	-	-	-
7EP02.5	2	1	-	-	-	-	-	-	-	-	-	-
7EP02.6	2	1	-	-	-	-	-	-	-	-	-	-
7EP02	2.5	1.6	-	1.3	1		1		1	1	1	1.5

Final Year (Seven Semester)							Academic Year: 2020-21					
Course/Subject: Electrical power II							Course Code: 7EP03					
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
6EP04.1	3	2	-	2	-	-	-	-	-	-	-	-
6EP04.2	3	2	-	2	-	-	-	-	-	-	-	-
6EP04.3	3	2	-	2	-	-	-	-	-	-	-	-
6EP04.4	2	-	2	-	-	-	-	-	-	-	-	-
6EP04.5	2	1	2	-	-	-	-	-	-	-	-	-
6EP04.6	2	1	-	-	-	-	-	-	-	-	-	-

Final Year (Seven Semester)							Academic Year: 2020-21					
Course/Subject: CMPSA							Course Code: 7EP05					
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
7EP05.1	3	1		2	1	-	-	-	-	-	-	-
7EP05.2	3	2	-	-	1	1	-	-	-	1	-	1
7EP05.3	3	2	1	-	-	2	-	-	-	1	-	1
7EP05.4	3	2	1	2	1	-	-	-	-	-	-	-
7EP05.5	3	2	1	2	1	-	-	-	-	1	-	1
7EP05.6	2	2	1	-	1	-	-	-	-	1	-	1

8EP 02.3	3	1	2	1								
8EP 02.4	2	2	1	2	1							
8EP 02.5	2											1
8EP 02.6	2											1

Final Year (8th Semester)						Academic Year: 2020-21						
Course/Subject: Digital Signal Processing						Course Code: 8EP03						
CO	PO 1	PO 2	PO 3	PO4	PO5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
8EP03.1	3	2	1	-	1	-	-	-	-	-	-	-
8EP03.2	3	2		-	-	-	-	-	-	-	-	
8EP03.3	1	-	3	1	-	-	-	-	-	-	-	-
8EP03.4	3	2		-	-	-	-	-	-	-	-	-
8EP03.5	3	-	2	-	-	-	-	-	-	-	-	-
8EP03.6	-	-	1	-	-	-	-	-	-	-	-	-
8EP03	2.6	2	1.75	1	1	-	-	-	-	-	-	-

Final Year (8th Semester)						Academic Year: 2020-21						
Course/Subject: Power Quality						Course Code: 8EP04						
CO	PO 1	PO 2	PO 3	PO4	PO5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
8EP04.1	2	2	2	2	-	-	-	-	-	-	-	-
8EP04.2	2	1	2	2	1	-	-	-	-	-	-	
8EP04.3	2	2	1	2	1	-	-	-	-	-	-	-
8EP04.4	1	2	2	2	1	-	-	-	-	-	-	-
8EP04.5	2	2				1						
8EP04.6	2	2	2	2	2							

Final Year (Seven Semester)						Academic Year: 2020-21						
Course/Subject: Project & Seminar						Course Code: 8EP05						
CO	PO 1	PO 2	PO 3	PO4	PO5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12

8EP05.1	1	1	2	2	1	1	-	1	3	1	3	2
8EP05.2	1	1	1	-	2	2	-	-	3	3	1	2
8EP05.3	1	1	-	-	1	-	-	-	3	3	3	1
8EP05.4	-	1	-	-		2	1	-	-	1	2	1
8EP05.5	-	-	-	-	1	-	-	2	-	1	2	1
8EP05.6	1	1	1	2	3	-	-	1	2	1	2	2
8EP05	1.25	1	1	2	2	1.6	1	1.33	2.6	2.4	2.5	1.5

Final Year (Eight Semester)							Academic Year: 2020-21						
Course/Subject: Laboratory Digital Signal Processing							Course Code: 8EP06						
CO	PO 1	PO 2	PO 3	PO4	PO5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	
8EP06.1	1	2	2	1	3	2	1	-	1	-	1	-	
8EP06.2	2	2			3	-	-	-	-	-	-		
8EP06.3	2	2	1	1	3	-	-	-	-	-	-	-	
8EP06.4	1	1			3	-	-	-	-	-	-	-	
8EP06.5	1	2		2	3								
8EP06	1.16	1.5	1.5	1.33	3	2	1		1		1		