

 Suresh Angadi Education Foundation's ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT Savagaon Road, Belagavi – 590 009 (Approved by AICTE, New Delhi & Affiliated to Visvesvaraya Technological University, Belagavi) Accredited By NAAC Department of Mechanical Engineering		ME
		NBA
		CO-PO-PSO MAPPING
		2021 Scheme

3.1.1 Course Outcomes and Program Outcomes Mapping

Course Name: - Transform Calculus, Fourier series And Numerical Techniques

Subject Code: - 21MAT31, C201, Year of Study 2022-23

CO – PO MAPPING													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21MAT31.1	C201.1	3	3	2									
21MAT31.2	C201.2	3	3	2									
21MAT31.3	C201.3	3	3	2									
21MAT31.4	C201.4	3	3	2									
21MAT31.5	C201.5	3	3	2									
21MAT31	C201	3	3	2									

Course Name: Metal casting, Forming and Joining Processes

Subject Code: - 21ME32, C202 Year of Study 2022-23

CO – PO MAPPING													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21ME32.1	C202.1	3	3	1	1						1		
21ME32.2	C202.2	3	3	2	1						1		
21ME32.3	C202.3	3	3	1	1						1		
21ME32.4	C202.4	3	3	3	3		3	3		3	3		
21ME32.5	C202.5	3	3	3	3		3	3		3	3		
21ME32.6	C202.6	3	3	3	1		3	3		3	3		
21ME32	C202	3	3	2.17	1.67		3	3		3	2		

Course Name: Material Science and Engineering

Subject Code: - 21ME33, C203 Year of Study 2022-23

CO – PO MAPPING													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21ME33.1	C203.1	3	3	3	3		3	3		3	3	2	
21ME33.2	C203.2	3	3	3	3		3	3		3	3		
21ME33.3	C203.3	3	3	3	3		3	3		3	3		
21ME33.4	C203.4	3	3	3	3		3	3		3	3	3	

21ME33.5	C203.5	3	3	3	3	3	3	3		3	3	3	3
21ME33	C203	3	3	3	3	3	3	3		3	3	2.67	3

Course Name: Thermodynamics

Subject Code: - 21ME34, C204 Year of Study 2022-23

[illegible]

Course Name: Machine Drawing and GD & T

Subject Code: - 21MEL35, C205 Year of Study 2022-23

CO – PO MAPPING													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21MEL35.1	C205.1	3	2	3		3				3	3		2
21MEL35.2	C205.2	3	2	3		3				3	3		2
21MEL35.3	C205.3	3	2	3		3				3	3		2
21MEL35.4	C205.4	3	2	3		3				3	3		2
21MEL35	C205	3	2	3		3				3	3		2

Course Name: Social Connect and Responsibility

Subject Code: - 21SCR36, C206 Year of Study 2022-23

[illegible]

Subject Code: - 21KSK37, C207 Year of Study 2022-23

Subject Code: -21KBK37, C208 Year of Study 2022-23

Subject Code: - 21ME381, C209 Year of Study 2022-23

Subject Code: - 21MATME41, C210 Year of Study 2022-23

[illegible]

21MATME41.3	C210.3	3	3	2									
21MATME41.4	C210.4	3	3	2									
21MATME41.5	C210.5	3	3	2									
21MATME41	C210	3	3	2									

Course Name: Machining Science and Jigs & Fixtures

Subject Code: - 21ME42, C211 Year of Study 2022-23

CO – PO MAPPING													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21ME42.1	C211.1	3	3	3	3	3	3	3		3	3	3	
21ME42.2	C211.2	3	3	3	3	3	3	3		3	3	3	
21ME42.3	C211.3	3	3	3	3	3	3	3		3	3	3	
21ME42.4	C211.4	3	3	3	3	3	3	3		3	3	3	
21ME42	C211	3	3	3	3	3	3	3		3	3	3	

Course Name: Fluid Mechanics

Subject Code: - 21ME43, C212 Year of Study 2022-23

CO – PO MAPPING													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21ME43.1	C212.1	3	3	2	1								
21ME43.2	C212.2	3	3	2	1								
21ME43.3	C212.3	3	3	2	1								
21ME43.4	C212.4	3	3	2	1	3							
21ME43.5	C212.5	3	3	2	3					3	3		
21ME43	C212	3	3	2	1.4	3				3	3		

Course Name: Mechanics of Materials

Subject Code: - 21ME44, C214 Year of Study 2022-23

CO – PO MAPPING													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21ME44.1	C213.1	3	3	2	1								
21ME44.2	C213.2	3	3	2	1								
21ME44.3	C213.3	3	3	2	1								
21ME44.4	C213.4	3	3	2	1								
21ME44.5	C213.5	3	3	2	1								
21ME44	C213	3	3	2	1								

Course Name: Biology for Engineers

Subject Code: - 21BE45, C214 Year of Study 2022-23

CO – PO MAPPING													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21BE45.1	C214.1	3	3	1									
21BE45.2	C214.2	3	3										
21BE45.3	C214.3	3	3										
21BE45.4	C214.4	3	3										
21BE45	C214	3	3	1									

Course Name: Mechanical Measurements and Metrology Lab

Subject Code: - 21MEL46, C215 Year of Study 2022-23

CO – PO MAPPING													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21MEL46.1	C215.1	3	3	1	3					3	3		
21MEL46.2	C215.2	3	3	1	3					3	3		
21MEL46.3	C215.3	3	3	1	3					3	3		
21MEL46.4	C215.4	3	3	1	3					3	3		
21MEL46.5	C215.5	3	3	1	3					3	3		
21MEL46.6	C215.6	3	3	1	3					3	3		
21MEL46	C215	3	3	1	3					3	3		

Course Name: Constitution of India and Professional Ethics

Subject Code: - 21CIP47, C216 Year of Study 2022-23

CO PO Mapping													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21CIP37.1	C216.1						3		3	2	3		3
21CIP37.2	C216.2						3		3	2	3		3
21CIP37.3	C216.3						3		3	2	3		3
21CIP37.4	C216.4						3		3	2	3		3
21CIP37.5	C216.5						3		3	2	3		3
21CIP37	C216						3		3	2	3		3

Course Name: Spread Sheets for Engineers

Subject Code: - 21ME481, C217 Year of Study 2022-23

CO PO Mapping													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21ME481.1	C217.1	3	3			3				2			1
21ME481.2	C217.2	3	3			3				1			1
21ME481.3	C217.3	3	3			3				1			1
21ME481.4	C217.4	3	3	1		3				1			1
21ME481.5	C217.5	3	3			3				1			1
21ME481.6	C217.6	3	3			3				1			1
21ME481.7	C217.7	3	3			3				1			1
21ME481	C217	3	3	1		3				1.14			1

Course Name: Universal Human Values/ Understanding Harmony And Ethical Human Conduct

Subject Code: - 21UHV49, C218 Year of Study 2022-23

CO PO Mapping													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21UHV49.1	8C219.1						3		3	2			3
21UHV49	C218						3		3	2			3

Course Name: Inter/Intra Institutional Internship

Subject Code: - 21INT49, C219 Year of Study 2022-23

CO – PO MAPPING													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21INT49.1	C219.1	2	1	1	2		2			2	2		1
21INT49.2	C219.2	2	1	1	2		2			2	2		1
21INT49.3	C219.3	2	1	1	2		2			2	2		1
21INT49.4	C219.4	2	1	1	2		2			2	2		1
21INT49.5	C219.5	2	1	1	2		2			2	2		1
21INT49	C219	2	1	1	2		2			2	2		1

Course Name: Theory of Machines

Subject Code: - 21ME51, C301 Year of Study 2023-24

CO – PO MAPPING													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21ME51.1	C301.1	3	3	1	2								
21ME51.2	C301.2	3	3	1	2								
21ME51.3	C301.3	3	3	1	2								

21ME51.4	C301.4	3	3	1	2								
21ME51.5	C301.5	3	3	1	2								
21ME51.6	C301.6	3	3	1	2								
21ME51	C301	3	3	1	2								

Course Name: Thermo-fluids Engineering

Subject Code: - 21ME52, C302 Year of Study 2023-24

CO – PO MAPPING													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21ME52.1	C302.1	3	3	1	3					3	3		
21ME52.2	C302.2	3	3	1	3					3	3		
21ME52.3	C302.3	3	3	1	3					3	3		
21ME52.4	C302.4	3	3	1	3					3	3		
21ME52.5	C302.5	3	3	1	3					3	3		
21ME52	C302	3	3	1	3					3	3		

Course Name: Finite Element Analysis

Subject Code: - 21ME53, C303 Year of Study 2023-24

CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21ME53.1	C303.1	3	3	3	3	3				1	3		
21ME53.2	C303.2	3	3	3	3	3				1	3		
21ME53.3	C303.3	3	3	3	3	3				1	3		
21ME53.4	C303.4	3	3	3	3	3				1	3		
21ME53	C303	3	3	3	3	3				1	3		

Course Name: Modern Mobility and Automotive Mechanics

Subject Code: - 21ME54, C304 Year of Study 2023-24

CO PO Mapping													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21ME54.1	C304.1	3					3						
21ME54.2	C304.2	3					3						
21ME54.3	C304.3	3					3						
21ME54.4	C304.4	3					3	3					
21ME54	C304	3					3	3					

Course Name: Design lab

Subject Code: - 21MEL55, C305 Year of Study 2023-24

CO – PO MAPPING

CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21MEL55.1	C305.1	3	3	2	3					3	3		
21MEL55.2	C305.2	3	3	2	3					3	3		
21MEL55.3	C305.3	3	3	2	3					3	3		
21MEL55.4	C305.4	3	3	2	3					3	3		
21MEL55.5	C305.5	3	3	2	3					3	3		
21MEL55.6	C305.6	3	3	2	3					3	3		
21MEL55.7	C305.7	3	3	2	3					3	3		
21MEL55	C305	3	3	2	3					3	3		

Course Name: Research Methodology & Intellectual Property Rights

Subject Code: - 21RMI56, C306 Year of Study 2023-24

CO – PO MAPPING

CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21RMI56.1	C306.1						3		3	2	3		3
21RMI56.2	C306.2						3		3	2	3		3
21RMI56.3	C306.3						3		3	2	3		3
21RMI56.4	C306.4						3		3	2	3		3
21RMI56.5	C306.5						3		3	2	3		3
21RMI56	C306						3		3	2	3		3

Course Name: Environmental Studies

Subject Code: - 21CIV57, C307 Year of Study 2023-24

CO – PO MAPPING

CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21CIV57.1	C307.1						3	3					3
21CIV57.2	C307.2						3	3					3
21CIV57.3	C307.3						3	3					3
21CIV57.4	C307.4						3	3					3
21CIV57	C307						3	3					3

Course Name: Digital Marketing

Subject Code: - 21ME582, C308 Year of Study 2023-24

CO – PO MAPPING

CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
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21ME582.1	C308.1						3	3	1	1	3	1	1
21ME582.2	C308.2						3	3	1	1	2	1	1
21ME582.3	C308.3						3	3	1	1	2	1	1
21ME582.4	C308.4						3	3	1	1	2	1	1
21ME582	C308						3	3	1	1	2.25	1	1

Course Name: Production and Operations Management
Subject Code: - 21ME61, C309 Year of Study 2023-24

CO – PO MAPPING													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21ME61.1	C309.1	3	3	3	2						3	3	3
21ME61.2	C309.2	3	3	3	2						3	3	3
21ME61.3	C309.3	3	3	3	2						3	3	3
21ME61.4	C309.4	3	3	3	2						3	3	3
21ME61.5	C309.5	3	3	3	2						3	3	3
21ME61	C309	3	3	3	2						3	3	3

Course Name: Heat Transfer
Subject Code: - 21ME62, C310 Year of Study 2023-24

CO – PO MAPPING													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21ME62.1	C310.1	3	3	1	3					3	3		
21ME62.2	C310.2	3	3	1	3					3	3		
21ME62.3	C310.3	3	3	1	3					3	3		
21ME62.4	C310.4	3	3	1	3					3	3		
21ME62.5	C310.5	3	3	1	3					3	3		
21ME62	C310	3	3	1	3					3	3		

Course Name: Machine design
Subject Code: - 21ME63, C311 Year of Study 2023-24

CO – PO MAPPING													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21ME63.1	C311.1	3	3	3	1		3						
21ME63.2	C311.2	3	3	3	2								
21ME63.3	C311.3	3	3	3	2								
21ME63.4	C311.4	3	3	3	2								
21ME63.5	C311.5	3	3	3	2								

21ME63	C311	3	3	3	1.8		3						
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Course Name: Mechatronic System Design

Subject Code: - 21ME642, C312 Year of Study 2023-24

CO – PO MAPPING													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21ME642.1	C312.1	3	3	2									
21ME642.2	C312.2	3	3	2									
21ME642.3	C312.3	3	3	2									
21ME642.4	C312.4	3	3	2									
21ME642	C312	3	3	2									

Course Name: Renewable Energy resources

Subject Code: - 21EE652, C313 Year of Study 2023-24

CO – PO MAPPING													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21EE652.1	C313.1	3	3				2	2					
21EE652.2	C313.2	3	3				2	2					
21EE652.3	C313.3	3	3				2	2					
21EE652.4	C313.4	3	3				2	2					
21EE652.5	C313.5	3	3				2	2					
21EE652.6	C313.6	3	3				2	2					
21EE652	C313	3	3				2	2					

Course Name: CNC Programming and 3-D Printing Lab

Subject Code: - 21MEL66, C314 Year of Study 2023-24

CO – PO MAPPING													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21MEL66.1	C314.1	3	3	2	1	3				1	3		
21MEL66.2	C314.2	3	3	2	1	3				1	3		
21MEL66.3	C314.3	3	3	2	1	3				1	3		
21MEL66.4	C314.4	3	3	2	1	3				1	3		
21MEL66.5	C314.5	3	3	2	1	3				1	3		
21MEL66	C314	3	3	2	1	3				1	3		

Course Name: Mini Project

Subject Code: - 21MEMP67, C315 Year of Study 2023-24

CO – PO MAPPING

CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21MEMP67.1	C315.1	2	2	2		1	1	2	2	2	2	2	1
21MEMP67.2	C315.2	2	2	2		1	1	2	2	2	2	2	1
21MEMP67.3	C315.3	2	2	2		1	1	2	2	2	2	2	1
21MEMP67.4	C315.4	2	2	2		1	1	2	2	2	2	2	1
21MEMP67.5	C315.5	2	2	2		1	1	2	2	2	2	2	1
21MEMP67	C315	2	2	2		1	1	2	2	2	2	2	1

Course Name: -Innovation/Entrepreneurship/Societal Internship

Subject Code: - 21INT68, C316 Year of Study 2023-24

CO – PO MAPPING

CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21INT68.1	C316.1	2	1	1	2		2			2	2		1
21INT68.2	C316.2	2	1	1	2		2			2	2		1
21INT68.3	C316.3	2	1	1	2		2			2	2		1
21INT68.4	C316.4	2	1	1	2		2			2	2		1
21INT68.5	C316.5	2	1	1	2		2			2	2		1
21INT68	C316	2	1	1	2		2			2	2		1

Course Name: Automation and Robotics

Subject Code: - 21ME71, C401 Year of Study 2024-25

CO – PO MAPPING

CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21ME71.1	C401.1	3	3	3									
21ME71.2	C401.2	3	3	3									
21ME71.3	C401.3	3	3	3									
21ME71.4	C401.4	3	3	3									
21ME71.5	C401.5	3	3	3									
21ME71	C401	3	3	3									

Course Name: Control Engineering

Subject Code: - 21ME72, C402 Year of Study 2024-25

CO – PO MAPPING

CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21ME72.1	C402.1	3	3	3	3								
21ME72.2	C402.2	3	3	3	3								

21ME72.3	C402.3	3	3	3	3								
21ME72.4	C402.4	3	3	3	3								
21ME72.5	C402.5	3	3	3	3								
21ME72	C402	3	3	3	3								

Course Name: Additive Manufacturing

Subject Code: - 21ME731, C403 Year of Study 2024-25

CO – PO MAPPING													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21ME731.1	C403.1	3	3	2		2							
21ME731.2	C403.2	3	3	2		2							
21ME731.3	C403.3	3	3	2		2							
21ME731.4	C403.4	3	3	2		2							
21ME731.5	C403.5	3	3	2		1						3	3
21ME731	C403	3	3	2		1.8						3	3

Course Name: Theory and Design of IC Engines

Subject Code: - 21ME742, C404 Year of Study 2024-25

CO – PO MAPPING													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21ME742.1	C404.1	3	3	1									
21ME742.2	C404.2	3	3	1									
21ME742.3	C404.3	3	3	3	3		3	3					
21ME742.4	C404.4	3	3	1			3	3					
21ME742	C404	3	3	1.5	3		3	3					

Course Name: Environmental Protection and Management

Subject Code: - 21CV753, C405 Year of Study 2024-25

CO – PO MAPPING													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21CV753.1	C405.1	3	2	1			3	3					3
21CV753.2	C405.2	3	2	1			3	3					3
21CV753.3	C405.3	3	2	1			3	3					3
21CV753	C405	3	2	1			3	3					3

Course Name: Project work

Subject Code: - 21MEP76, C406 Year of Study 2024-25

CO – PO MAPPING													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21MEP76.1	C406.1	3	3	3	3	2	2	3	3	3	3	3	3
21MEP76.2	C406.2	3	3	3	3	2	2	3	3	3	3	3	3
21MEP76.3	C406.3	3	3	3	3	2	2	3	3	3	3	3	3
21MEP76.4	C406.4	3	3	3	3	2	2	3	3	3	3	3	3
21MEP76.5	C406.5	3	3	3	3	2	2	3	3	3	3	3	3
21MEP76	C406	3	3	3	3	2	2	3	3	3	3	3	3

Course Name: Technical Seminar

Subject Code: - 21ME81, C407 Year of Study 2024-25

CO – PO MAPPING													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21ME81.1	C407.1	3	3	3					1	3	3		
21ME81.2	C407.2	3	3	3					1	3	3		
21ME81.3	C407.3	3	3	3					1	3	3		
21ME81.4	C407.4	3	3	3					1	3	3		
21ME81.5	C407.5	3	3	3					1	3	3		
21ME81	C407	3	3	3					1	3	3		

Course Name: Industrial Internship

Subject Code: - 21INT82, C408 Year of Study 2024-25

CO – PO MAPPING													
CO Code	NBA Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21INT82.1	C408.1	3	2	2	3	1	3		1	2	3	2	
21INT82.2	C408.2	3	2	2	3	1	3		1	2	3	2	
21INT82.3	C408.3	3	2	2	3	1	3		1	2	3	2	
21INT82.4	C408.4	3	2	2	3	1	3		1	2	3	2	
21INT82.5	C408.5	3	2	2	3	1	3		1	2	3	2	
21INT82	C408	3	2	2	3	1	3		1	2	3	2	

3.1.2. CO-PSO matrices of courses

Course Name: - Transform Calculus, Fourier series And Numerical Techniques Subject Code: - 21MAT31, C201, Year of Study 2022-23

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21MAT31.1	C201.1	2		
21MAT31.2	C201.2	2		
21MAT31.3	C201.3	2		
21MAT31.4	C201.4	2		
21MAT31.5	C201.5	2		
21MAT31	C201	2		

Course Name: Metal casting, Forming and Joining Processes
Subject Code: - 21ME32, C202 Year of Study 2022-23

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21ME32.1	C202.1	3	1	
21ME32.2	C202.2	3	1	
21ME32.3	C202.3	3	1	
21ME32.4	C202.4	3	1	
21ME32.5	C202.5	3	1	
21ME32.6	C202.6	3	1	
21ME32	C202	3	1	

Course Name: Material Science and Engineering
Subject Code: - 21ME33, C203 Year of Study 2022-23

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21ME33.1	C203.1	3	2	2
21ME33.2	C203.2	3	2	1
21ME33.3	C203.3	3	2	1
21ME33.4	C203.4	3	2	2
21ME33.5	C203.5	3	2	2
21ME33	C203	3	2	1.6

Course Name: Thermodynamics

Subject Code: - 21ME34, C204 Year of Study 2022-23

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21ME34.1	C204.1	3	1	
21ME34.2	C204.2	3	1	
21ME34.3	C204.3	3	1	
21ME34.4	C204.4	3	1	
21ME34	C204	3	1	

Course Name: Machine Drawing and GD & T

Subject Code: - 21MEL35, C205 Year of Study 2022-23

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21MEL35.1	C205.1	3	1	
21MEL35.2	C205.2	3	1	
21MEL35.3	C205.3	3	1	
21MEL35.4	C205.4	3	1	
21MEL35	C205	3	1	

Course Name: Social Connect and Responsibility

Subject Code: - 21SCR36, C206 Year of Study 2022-23

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21SCR36.1	C206.1			3
21SCR36.2	C206.2			3
21SCR36.3	C206.3			3
21SCR36	C206			3

Course Name: - Samskrutika Kannada

Subject Code: - 21KSK37, C207 Year of Study 2022-23

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21KSK37.1	C207.1	-	-	-
21KSK37.2	C207.2	-	-	-
21KSK37.3	C207.3	-	-	-
21KSK37.4	C207.4	-	-	-
21KSK37	C207	-	-	-

Course Name: - Balake Kannada (Kannada for Usage)

Subject Code: -21KBK37, C208 Year of Study 2022-23

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21KBK37.1	C208.1	-	-	-
21KBK37.2	C208.2	-	-	-
21KBK37.3	C208.3	-	-	-
21KBK37.4	C208.4	-	-	-
21KSBK37.5	C208.5	-	-	-
21KBK37	C208	-	-	-

Course Name: Introduction to PYTHON

Subject Code: - 21ME381, C209 Year of Study 2022-23

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21ME381.1	C209.1	1		
21ME381.2	C209.2	1		
21ME381.3	C209.3	1		
21ME381.4	C209.4	1		
21ME381	C209	1		

Course Name: Complex Analysis, Probability and Linear Programming.

Subject Code: - 21MATME41, C210 Year of Study 2022-23

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21MATME41.1	C210.1	2		
21MATME41.2	C210.2	2		
21MATME41.3	C210.3	2		
21MATME41.4	C210.4	2		
21MATME41.5	C210.5	2		
21MATME41	C210	2		

Course Name: Machining Science and Jigs & Fixtures
 Subject Code: - 21ME42, C211 Year of Study 2022-23

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21ME42.1	C211.1	3	2	
21ME42.2	C211.2	3	2	
21ME42.3	C211.3	3	2	
21ME42.4	C211.4	3	2	
21ME42	C211	3	2	

Course Name: Fluid Mechanics
 Subject Code: - 21ME43, C212 Year of Study 2022-23

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21ME43.1	C212.1	2		
21ME43.2	C212.2	2		
21ME43.3	C212.3	2		
21ME43.4	C212.4	2		
21ME43.5	C212.5	2	1	
21ME43	C212	2	1	

Course Name: Mechanics of Materials
 Subject Code: - 21ME44, C213 Year of Study 2022-23

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21ME44.1	C213.1	2	1	
21ME44.2	C213.2	2	1	
21ME44.3	C213.3	2	1	
21ME44.4	C213.4	2	1	
21ME44.5	C213.5	2	1	
21ME44	C213	2	1	

Course Name: Biology for Engineers

Subject Code: - 21BE45, C214 Year of Study 2022-23

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21BE45.1	C214.1	1	1	1
21BE45.2	C214.2	1	1	1
21BE45.3	C214.3	1	1	1
21BE45.4	C214.4	1	1	1
21BE45	C214	1	1	1

Course Name: Mechanical Measurements and Metrology Lab

Subject Code: - 21MEL46, C215 Year of Study 2022-23

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21MEL46.1	C215.1	2		
21MEL46.2	C215.2	2		
21MEL46.3	C215.3	2		
21MEL46.4	C215.4	2		
21MEL46.5	C215.5	2		
21MEL46.6	C215.6	2		
21MEL46	C215	2		

Course Name: Constitution of India and Professional Ethics

Subject Code: - 21CIP47, C216 Year of Study 2022-23

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21CIP37.1	C216.1			3
21CIP37.2	C216.2			3
21CIP37.3	C216.3			3
21CIP37.4	C216.4			3
21CIP37.5	C216.5			3
21CIP37	C216			3

Course Name: Spread Sheets for Engineers

Subject Code: - 21ME481, C217 Year of Study 2022-23

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21ME481.1	C217.1	1		
21ME481.2	C217.2	1		
21ME481.3	C217.3	1		
21ME481.4	C217.4	1		
21ME481.5	C217.5	1		
21ME481.6	C217.6	1		
21ME481.7	C217.7	1		
21ME481	C217	1		

Course Name: Universal Human Values/ Understanding Harmony and Ethical Human Conduct

Subject Code: - 21UHV49, C218 Year of Study 2022-23

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21UHV49.1	C218.1			3
21UHV49	C218			3

Course Name: Inter/Intra Institutional Internship

Subject Code: - 21INT49, C219 Year of Study 2022-23

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21INT49.1	C219.1	1	1	1
21INT49.2	C219.2	1	1	1
21INT49.3	C219.3	1	1	1
21INT49.4	C219.4	1	1	1
21INT49.5	C219.5	1	1	1
21INT49	C219	1	1	1

Course Name: Theory of Machines

Subject Code: - 21ME51, C301 Year of Study 2023-24

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21ME51.1	C301.1	2		
21ME51.2	C301.2	2		
21ME51.3	C301.3	2		
21ME51.4	C301.4	2		
21ME51.5	C301.5	2		
21ME51.6	C301.6	2		
21ME51	C301	2		

Course Name: Thermo-fluids Engineering

Subject Code: - 21ME52, C302 Year of Study 2023-24

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21ME52.1	C302.1	2	1	
21ME52.2	C302.2	2	1	
21ME52.3	C302.3	2	1	
21ME52.4	C302.4	2	1	
21ME52.5	C302.5	2	1	
21ME52	C302	2	1	

Course Name: Finite Element Analysis

Subject Code: - 21ME53, C303 Year of Study 2023-24

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21ME53.1	C303.1	3	1	
21ME53.2	C303.2	3	1	
21ME53.3	C303.3	3	1	
21ME53.4	C303.4	3	1	
21ME53	C303	3	1	

Course Name: Modern Mobility and Automotive Mechanics

Subject Code: - 21ME54, C304 Year of Study 2023-24

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21ME54.1	C304.1		1	
21ME54.2	C304.2		1	
21ME54.3	C304.3		1	
21ME54.4	C304.4		1	
21ME54	C304		1	

Course Name: Design lab

Subject Code: - 21MEL55, C305 Year of Study 2023-24

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21MEL55.1	C305.1	2		
21MEL55.2	C305.2	2		
21MEL55.3	C305.3	2		
21MEL55.4	C305.4	2		
21MEL55.5	C305.5	2		
21MEL55.6	C305.6	2		
21MEL55.7	C305.7	2		
21MEL55	C305	2		

Course Name: Research Methodology & Intellectual Property Rights

Subject Code: - 21RMI56, C306 Year of Study 2023-24

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21RMI56.1	C306.1			2
21RMI56.2	C306.2			2
21RMI56.3	C306.3			2
21RMI56.4	C306.4			2
21RMI56.5	C306.5			2
21RMI56	C306			2

Course Name: Environmental Studies

Subject Code: - 21CIV57, C307 Year of Study 2023-24

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21CIV57.1	C307.1			2
21CIV57.2	C307.2			2
21CIV57.3	C307.3			2
21CIV57.4	C307.4			2
21CIV57	C307			2

Course Name: Digital Marketing

Subject Code: - 21ME582, C308 Year of Study 2023-24

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21ME582.1	C308.1			2
21ME582.2	C308.2			2
21ME582.3	C308.3			2
21ME582.4	C308.4			2
21ME582	C308			2

Course Name: Production and Operations Management

Subject Code: - 21ME61, C309 Year of Study 2023-24

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21ME61.1	C309.1	2		2
21ME61.2	C309.2	2		2
21ME61.3	C309.3	2		2
21ME61.4	C309.4	2		2
21ME61.5	C309.5	2		2
21ME61	C309	2		2

Course Name: Heat Transfer

Subject Code: - 21ME62, C310 Year of Study 2023-24

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21ME62.1	C310.1	2	2	
21ME62.2	C310.2	2	2	
21ME62.3	C310.3	2	2	
21ME62.4	C310.4	2	2	

21ME62.5	C310.5	2	2	
21ME62	C310	2	2	

Course Name: Machine design

Subject Code: - 21ME63, C311 Year of Study 2023-24

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21ME63.1	C311.1	3		1
21ME63.2	C311.2	3		1
21ME63.3	C311.3	3		1
21ME63.4	C311.4	3		1
21ME63.5	C311.5	3		1
21ME63	C311	3		1

Course Name: Mechatronic System Design

Subject Code: - 21ME642, C312 Year of Study 2023-24

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21ME642.1	C312.1	2	1	
21ME642.2	C312.2	2	1	
21ME642.3	C312.3	2	1	
21ME642.4	C312.4	2	1	
21ME642	C312	2	1	

Course Name: Renewable Energy resources

Subject Code: - 21EE652, C313 Year of Study 2023-24

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21EE652.1	C313.1	1	1	
21EE652.2	C313.2	1	1	
21EE652.3	C313.3	1	1	
21EE652.4	C313.4	1	1	
21EE652.5	C313.5	1	1	
21EE652.6	C313.6	1	1	
21EE652	C313	1	1	

Course Name: CNC Programming and 3-D Printing Lab

Subject Code: - 21MEL66, C314 Year of Study 2023-24

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21MEL66.1	C314.1	2	1	
21MEL66.2	C314.2	2	1	
21MEL66.3	C314.3	2	1	
21MEL66.4	C314.4	2	1	
21MEL66.5	C314.5	2	1	
21MEL66	C314	2	1	

Course Name: Mini Project

Subject Code: - 21MEMP67, C315 Year of Study 2023-24

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21MEMP67.1	C315.1	1	1	1
21MEMP67.2	C315.2	1	1	1
21MEMP67.3	C315.3	1	1	1
21MEMP67.4	C315.4	1	1	1
21MEMP67.5	C315.5	1	1	1
21MEMP67	C315	1	1	1

Course Name: -Innovation/Entrepreneurship/Societal Internship

Subject Code: - 21INT68, C316 Year of Study 2023-24

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21INT68.1	C316.1	1	1	
21INT68.2	C316.2	1	1	
21INT68.3	C316.3	1	1	
21INT68.4	C316.4	1	1	
21INT68.5	C316.5	1	1	
21INT68	C316	1	1	

Course Name: Automation and Robotics

Subject Code: - 21ME71, C401 Year of Study 2024-25

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21ME71.1	C401.1	1	2	
21ME71.2	C401.2	1	2	
21ME71.3	C401.3	1	2	
21ME71.4	C401.4	1	2	
21ME71.5	C401.5	1	2	
21ME71.	C401	1	2	

Course Name: Control Engineering

Subject Code: - 21ME72, C402 Year of Study 2024-25

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21ME72.1	C402.1	1	1	
21ME72.2	C402.2	1	1	
21ME72.3	C402.3	1	1	
21ME72.4	C402.4	1	1	
21ME72.5	C402.5	1	1	
21ME72	C402	1	1	

Course Name: Additive Manufacturing

Subject Code: - 21ME731, C403 Year of Study 2024-25

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21ME731.1	C403.1	2	3	1
21ME731.2	C403.2	2	3	1
21ME731.3	C403.3	2	3	1
21ME731.4	C403.4	2	3	1
21ME731.5	C403.5	1	3	1
21ME731	C403	1.8	3	1

Course Name: Theory and Design of IC Engines

Subject Code: - 21ME742, C404 Year of Study 2024-25

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21ME742.1	C404.1	1	1	1
21ME742.2	C404.2	1	1	1
21ME742.3	C404.3	1	1	1
21ME742.4	C404.4	1	1	1
21ME742	C404	1	1	1

Course Name: Environmental protection and Management

Subject Code: - 21CV753, C405 Year of Study 2024-25

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21CV753.1	C405.1			3
21CV753.2	C405.2			3
21CV753.3	C405.3			3
21CV753	C405			3

Course Name: Project work

Subject Code: - 21MEP76, C406 Year of Study 2024-25

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21MEP76.1	C406.1	1	2	3
21MEP76.2	C406.2	1	2	3
21MEP76.3	C406.3	1	2	3
21MEP76.4	C406.4	1	2	3
21MEP76.5	C406.5	1	2	3
21MEP76	C406	1	2	3

Course Name: Technical Seminar

Subject Code: - 21ME81, C407 Year of Study 2024-25

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21ME81.1	C407.1	2	2	2
21ME81.2	C407.2	2	2	2
21ME81.3	C407.3	2	2	2
21ME81.4	C407.4	2	2	2
21ME81.5	C407.5	2	2	2
21ME81	C407	2	2	2

Course Name: Industrial Internship

Subject Code: - 21INT822, C408 Year of Study 2024-25

CO – PSO MAPPING				
CO Code	NBA Code	PSO1	PSO2	PSO3
21INT822.1	C408.1	2	2	3
21INT822.2	C408.2	2	2	3
21INT822.3	C408.3	2	2	3
21INT822.4	C408.4	2	2	3
21INT822.5	C408.5	2	2	3
21INT822	C408	2	2	3