

Department of Mechanical Engineering

S. No.	Name of Micro Specialization	Head Course (s)			Elective Courses		
		Course Name	Semester	Credit	Course Name	Semester	Credits
1	Intelligent Manufacturing	1. Manufacturing Technology-2 2. Manufacturing Technology Lab-2	IV	3+1 = 4	Advanced Manufacturing Processes	V	3
					Advanced Engineering Materials	VI	3
					Smart Manufacturing	VII	3
					Micro Manufacturing	VIII	3
2	3D Printing	1. Manufacturing Technology-1 2. Manufacturing Technology Lab-1	III	3+1 = 4	Additive Manufacturing	V	3
					Advanced Engineering Materials	VI	3
					CAD for Additive Manufacturing	VII	3
					Industrial Applications of Additive Manufacturing	VIII	3
3	Renewable Energy	1. Basic Thermodynamics 2. Basic Thermodynamics Lab	III	3+1 = 4	Power Plant Engineering	V	3
					Unconventional Energy Resources	VI	3
					Energy Management and Audit	VII	3
					Hybrid Energy Applications	VIII	3
4	Automobile Engineering	1. Basic Thermodynamics 2. Basic Thermodynamics Lab	III	3+1 = 4	IC Engine and Electrical Power Plants for Automobiles	VI	4
					Internal Combustion Engine Lab	VI	1
					Automobile Engineering	VII	3
					Special Purpose Vehicles	VII	3