

Program Name: Bachelor of Technology in Mechanical Engineering (Robotics & Automation)

Program Code: ET 101

Semester: IV

With Effect From: 2026-27

Subject Code	Subject Name	Course Type	Credit	Hours per week				Theory (Marks)				Practical (Marks)				Total (Marks)
				L	T	P	Total	SEE		CCA		SEE		CCA		
								Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
2ET1010401T	Sensors and Instrumentation	PCC	3	3	0	0	3	24	60	16	40	-	-	-	-	100
2ET1010401P	Sensors and Instrumentation Lab (Practical)		1	-	-	2	2	-	-	-	-	10	25	10	25	50
2ET1010402T	Fluid Mechanics and Hydraulic Machines	PCC	3	3	0	0	3	24	60	16	40	-	-	-	-	100
2ET1010402P	Fluid Mechanics and Hydraulic Machines Lab (Practical)	PCC	1	-	-	2	2	-	-	-	-	10	25	10	25	50
2ET1010403T	Mechanics of Deformable Solids	PCC	3	3	0	0	3	24	60	16	40	-	-	-	-	100
2ET1010404T	Robotic Control Systems	PCC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
2ET1010404P	Robotic Control Systems Lab (Practical)	PCC	1	-	-	2	2	-	-	-	-	10	25	10	25	50
2ET1010405T	Kinematics & Dynamics of Machines	PCC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
2ET1010405P	Kinematics & Dynamics of Machines (Practical)	PCC	1	-	-	2	2	-	-	-	-	10	25	10	25	50
2ET1010406T	Fundamentals of Material Science and Smart Materials	PCC	3	3	0	0	3	24	60	16	40	-	-	-	-	100
2ET1000402T	Integrated Personality Development Course - I	MC	0	2	-	-	2	-	-	-	-	-	-	-	-	0
Total			22	20	0	8	28									800

L=Lecture, T=Tutorial, P=Practical

SEE = Semester End Evaluation

CCA =Continuous & Comprehensive Assessment

BSC: Basic Science Course

ESC: Engineering Science Course;

PCC: Professional Core Course;

HSSC: Humanities and Social Sciences;

MC: Mandatory Course