

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

**Program Code: ET 101**

**Semester: V**

**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.	
2ET1010501T	Machine Element and System Design	PCC	4	3	1	0	4	24	60	16	40	-	-	-	-	100
2ET1010502T	Mechatronics, Robot System Design	PCC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
2ET1010502P	Mechatronics, Robot and Simulation Lab	PCC	1	-	-	2	2	-	-	-	-	10	25	10	25	50
2ET1010503T	Principles of Robotics	PCC	4	3	1	0	4	24	60	16	40	-	-	-	-	100
2ET1010504P	Mechanical Engineering Laboratory -II (Design)	PCC	2	0	1	2	3	-	-	-	-	10	25	10	25	50
	Professional Elective -I	PEC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
	Management Elective -I	HSMC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
2ET1000503T	Integrated Personality Development Course - II	MC	0	2	-	-	2	-	-	-	-	-	-	-	-	0
	<b>Total</b>		<b>20</b>	<b>17</b>	<b>3</b>	<b>4</b>	<b>24</b>									<b>600</b>

L=Lecture, T=Tutorial, P=Practical

SEE = Semester End Evaluation

CCA =Continuous & Comprehensive Assessment

PCC: Professional Core Course;

PEC: Professional Elective Course;

HSMC: Humanities and Social Sciences;

MC: Mandatory Course

<b>Professional Elective -I:</b>	
2ET1010505T	Power Plant Engineering
2ET1010506T	Energy Conservation and Management
2ET1010507T	Design for Manufacturing and Assembly

<b>Management Elective -I:</b>	
2ET1000501T	Industrial Psychology
2ET1000502T	Project Management