

Faculty of Engineering and Technology

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

Program Code: ET 101

Semester: VI

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.	
2ET1010601T	Artificial Intelligence & Machine Learning	PCC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
2ET1010601P	Seminar	PCC	1	-	-	2	2	-	-	-	-	10	25	10	25	50
2ET1010602T	Robot Operating System, Smart manufacturing	PCC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
2ET1010602P	Robot Operating System ROS2	PCC	1	-	-	2	2	-	-	-	-	10	25	10	25	50
2ET1010603P	Smart Mobility & Autonomous Navigation	PCC	2	2	0	0	2	-	-	-	-	10	25	10	25	50
	Professional Elective -II	PEC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
2ET1000601P	Mini Project - I	PROJ	2	-	-	4	4	-	-	-	-	10	25	10	25	50
	Management Elective -II	HSMC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
	Open Elective -I	OEC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
	Total		21	17	0	08	25									700

L=Lecture, T=Tutorial, P=Practical

SEE = Semester End Evaluation

PEC: Professional Elective Course;

CCA =Continuous & Comprehensive Assessment

PROJ: Project; HSMC: Humanities and Social Sciences;

PCC: Professional Core Course;

OEC: Open Elective Course

Professional Elective -II:		Management Elective -II:	
2ET1010604T	Manufacturing Automation	2ET1000602T	Operation Research
2ET1010605T	Renewable Energy Engineering	2ET1000603T	Finance and Accounting

2ET1010606T	Product Innovation and Entrepreneurship		
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Open Elective - I		Subject Offered By:
2ET1060681T	Introduction to Drones	Skill Centre
2ET1090681T	Electrical & Hybrid Vehicles	Electrical Engineering
2ET1030681T	Cryptography and Computer Security	Computer Engineering / Information Technology
2ET1070681T	Wireless Communication	Information Communication Technology