

Faculty of Engineering and Technology

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

Program Code: ET 101

Semester: VII

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.	
2ET1010701T	Physical AI Robotics - Cobots & Quadrupeds	PCC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
2ET1010701P	Physical AI Robotics Practical	PCC	1	-	-	2	2	-	-	-	-	10	25	10	25	50
2ET1010702T	Production and Operation Management	PCC	3	3	0	0	4	24	60	16	40	-	-	-	-	100
	Road Safety and Maintenance	PCC	3	3	0	0	3	24	60	16	40	-	-	-	-	100
2ET1000701P	Engineering Project - II	PROJ	6	-	-	12	12	-	-	-	-	30	75	30	75	150
	Professional Elective -III	PEC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
	Open Elective –II	OEC	3	3	-	-	3	24	60	16	40	-	-	-	-	100
	Total		22	15	0	14	30									700

L=Lecture, T=Tutorial, P=Practical

SEE = Semester End Evaluation

CCA =Continuous & Comprehensive Assessment

PCC: Professional Core Course;

PROJ: Project;

PEC: Professional Elective Course;

OEC: Open Elective Course

Professional Elective –III:	
2ET1010703T	Finite Element Analysis

2ET1010704T	Computational Fluid Dynamics
2ET1010705T	Additive Manufacturing

Open Elective - II		Subject Offered By:
2ET1090781T	Wind and Solar Energy Systems	Electrical Engineering
2ET1030781T	Data Handling and Visualization	Computer Engineering / Information Technology
2ET1080781T	Deep Learning	Artificial Intelligence and Data Science
2ET1070781T	Industrial IoT	Information Communication Technology