



BRAINWARE UNIVERSITY
SCHOOL OF ENGINEERING
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
Master of Technology in Robotics & Automation – 2025
(As per UGC NEP 2020)

SEMESTER-I

Sl. No.	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course Level
						CIA	TEE			
1	MEC10400	Research Methodology and Ethics	3	0	0	40	60	100	3	400
2	MEC10401	Robotic Engineering and RTOS Programming	3	0	0	40	60	100	3	400
3	MEC10402	Advanced Control System in Robotics	3	0	0	40	60	100	3	400
4	MEC10403	Electronics in Robotic Technology	3	0	0	40	60	100	3	400
5	MEC10404	Signal Processing in Mechatronic System	3	0	0	40	60	100	3	400
6	MEC17500	Embedded System Application for Robotics	2	0	2	40	60	100	3	500
7	MEC19501	Robot Design Laboratory	0	0	3	40	60	100	1.5	500
8	MEC19502	Robotics and Automation Laboratory	0	0	3	40	60	100	1.5	500
9	MAU00001	English for Research Paper Writing*	2	0	0	50	0	0	0	AUC
TOTAL			17+2*	0	8	320+50*	480	800	21	

*AUDIT COURSE 1



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SEMESTER-II

Sl. No	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course Level
						CIA	TEE			
1	MEC20405	Industrial Internet of Things and Industry 4.0	3	0	0	40	60	100	3	400
2	MEC20406	Industrial Automation	3	0	0	40	60	100	3	400
3	MEC20407	Electives A. Mechatronics System Design B. Micro and Nano Robotics C. MOOC*	3	0	0	40	60	100	3	400
4	MEC27503	Measurement and Sensor for Robotics	2	0	2	40	60	100	3	500
5	MEC27504	Python Programming for Automation	2	0	4	40	60	100	4	500
6	MEC27505	Artificial Intelligence and Machine Learning for Robotics	2	0	2	40	60	100	3	500
7	MAU00002	Stress Management by Yoga	2	0	0	50	0	0	0	AUC
TOTAL			15+2*	0	8	240+50*	360	600	19	

*AUDIT COURSE 2

SEMESTER -III

Sl. No	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course Level
						CIA	TEE			
1	MEC38506	Dissertation-I	0	0	0	40	60	100	20	500
TOTAL			0	0	0	40	60	100	20	

SEMESTER -IV

Sl. No	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course Level
						CIA	TEE			
1	MEC48507	Dissertation-II	0	0	0	40	60	100	20	500
TOTAL			0	0	0	40	60	100	20	