



BRAINWARE UNIVERSITY
SCHOOL OF ENGINEERING
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
MASTER OF TECHNOLOGY IN ROBOTICS & AUTOMATION - 2024

SEMESTER – I

Sl. No.	Course Code	Course Name	L	T	P	Evaluation Scheme		Total	Credits
						CIA	TEE		
1	MEC10101	Robotic Engineering	3	0	0	40	60	100	3
2	MEC10102	Advanced Control System in Robotics	3	0	0	40	60	100	3
3	MEC10103	RTOS Programming	3	0	0	40	60	100	3
4	MEC10201	A. Artificial Intelligence for Robotics B. Embedded System Application for Robotics	3	1	0	40	60	100	4
5	MEC10301	A. Signal Processing in Mechatronic System B. Humanoid Robots	3	0	0	40	60	100	3
6	MEC10302	A. Electronics in Robotic Technology B. Wireless Sensor Network in Automation	3	0	0	40	60	100	3
7	MEC19104	Programming Laboratory for Robotics	0	0	3	40	60	100	1.5
8	MEC19105	Robot Design Laboratory	0	0	3	40	60	100	1.5
TOTAL			18	1	6	320	480	800	22

SEMESTER – II

Sl. No.	Course Code	Course Name	L	T	P	Evaluation Scheme		Total	Credits
						CIA	TEE		
1	MEC20106	Measurement and Sensor for Robotics	3	0	0	40	60	100	3
2	MEC20107	Industrial Internet of Things	3	0	0	40	60	100	3
3	MEC20202	A. Machine Learning in Robotics B. Mobile and Medical Robotics	3	1	0	40	60	100	4
4	MEC20303	A. Python Programming for Automation B. Application of LabVIEW in Automation	3	0	0	40	60	100	3
5	MEC20304	A. Mechatronics System Design B. Product Design and Development	3	0	0	40	60	100	3
6	MEC29108	Robotics and Automation Laboratory	0	0	4	40	60	100	2
7	MEC28101	Term paper leading to Dissertation	0	0	0	0	100	100	4
TOTAL			15	1	4	240	460	700	22



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SEMESTER – III

Sl. No.	Course Code	Course Name	L	T	P	Evaluation Scheme		Total	Credits
						CIA	TEE		
1	MEC30109	Industrial Automation	3	0	0	40	60	100	3
2	MEC30110	Image Processing and Robotic Vision	3	0	0	40	60	100	3
3	MEC30203	A. Industry 4.0 B. Micro and Nano Robotics	3	1	0	40	60	100	4
4	MEC30305	A. Deep Learning B. Quantum Computing	3	0	0	40	60	100	3
5	MEC30306	A. Block Chain B. Privacy and Security in IoT	3	0	0	40	60	100	3
6	MEC38102	Dissertation Phase – I	0	0	0	0	100	100	6
TOTAL			15	1	0	200	400	600	22

SEMESTER – IV

Sl. No.	Course Code	Course Name	L	T	P	Evaluation Scheme		Total	Credits
						CIA	TEE		
1	MEC48103	Dissertation Phase – II	0	0	0	0	200	200	14
2	MEC48104	Comprehensive Viva-voce	0	0	0	0	100	100	4
TOTAL			0	0	0	0	300	300	18