

Proposed Scheme for Master of Technology (Robotics and Automation)

Semester I

Course Name	Course Code	L	T	P	Credits
MEMS/NEMS Technology for SMART Robotics System	24PECE01	3	1	0	4
Computer Vision and Image Processing	24PECE02	4	0	0	4
FPGA based System Design	24PECE03	3	0	2	4
Humanoid Robotics	24PECE04	4	0	0	4
Industrial Internet of Things	24PECE05	3	0	2	4
Total		17	1	04	20

Semester II

Course Name	Course Code	L	T	P	Credits
Real Time Embedded Systems for Robotics	24PECE06	3	0	2	4
Program Elective-I	24PECEXX	4	0	0	4
Open Elective-I	24PECEXX	4	0	0	4
Program Elective-II	24PECEXX	4	0	0	4
Open Elective-II	24PECEXX	4	0	0	4
Total		19	0	02	20

Semester III

Course Name	Course Code	L	T	P	Credits
Research and Publication Ethics (online Mode)	2-P---XX	2	0	0	2
Seminar-I	24PECE07	-	-	4	2
Dissertation stage-I	24PECE08	-	-	32	16
Total		2	0	36	20

Semester IV

Course Name	Course Code	L	T	P	Credits
Dissertation stage-II	24PECE09	-	-	40	20
Total		-	-	40	20

Note: Depending upon the expertise of the faculty and industry needs, the lab experiments for the respective subjects may not be included in the syllabus and be covered during the class.

