DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING, MIT Manipal

M Tech Curriculum – 2022

M Tech in Internet of Things

Year	FIRST SEMESTER						SECOND SEMESTER					
	Sub. Code	Subject Name	L	T	P	C	Sub. Code	Subject Name	L	T	P	C
II	MAT ****	Mathematics I	4	0	0	4	MAT ****	Artificial Intelligence	4	0	0	4
	ICE ****	Research methodology and technical communication	1	0	3	2	ICE ****	IoT Applications and Web Development	4	0	0	4
	ICE ****	Smart Sensors	4	0	0	4	ICE ****	Elective I	4	0	0	4
	ICE ****	Embedded Systems	3	1	0	4	ICE ****	Elective II	4	0	0	4
	ICE ****	IoT Architecture and Protocol	3	1	0	4	ICE ****	Elective III	4	0	0	4
	ICE ****	Computer Communication Networks	4	0	0	4	ICE ****	Open Elective	3	0	0	3
	ICE ****	Programming Lab	0	0	3	1	ICE ****	Artificial Intelligence Lab	0	0	3	1
	ICE ****	Sensor & Interfacing Lab	0	0	3	1	ICE ****	IoT Applications Lab	0	0	3	1
	ICE ****	Embedded Systems Lab	0	0	3	1						
						25						21*
	Total Contact Hours (L + T + P)						Total Contact Hours (L + T + P)					

Year	THIRD SEMESTER	FOURTH SEMESTER			
	Project work		0	0	0	25

PROGRAM ELECTIVES		OPEN ELECTIVES	
ICE ****	Introduction to Cloud Computing	ICE ****	Virtual Instrumentation
ICE ****	Android Application Development	ICE ****	Control System Design
ICE ****	Wireless Sensor Network and IoT		
ICE ****	Computer Vision		
ICE ****	Essentials of BIG DATA Analytics		
ICE ****	Foundations of Data Science		
ICE ****	Micro Electro Mechanical Systems		
ICE ****	Real Time Operating Systems		
ICE ****	System On Chip		
ICE ****	Data Structures and Algorithms		
ICE ****	Operating Systems for IoT		
ICE ****	IoT Security		