

M.Tech (EI), Two Year (Four Semesters)
Scheme to be valid with effect from the admitted batch of 2019 – 2020

SEMESTER-I

Code	Name of the Subject	Periods/Week		Max. Marks		Total	Credits
		Theory	Lab	Ext.	Int.		
MTEI-1.1	Digital Signal Processing	3	-	70	30	100	3
MTEI-1.2	Electronic Instrumentation Techniques	3	-	70	30	100	3
MTEI-1.3	Elective I DSP Processors and Architecture/ Wireless communication and Networks/ Microprocessor systems	3	-	70	30	100	3
MTEI-1.4	Elective II EMI/EMC/ Bio Medical Instrumentation/ Artificial Intelligence and Neural Networks	3	-	70	30	100	3
MTEI-1.5	Research Methodology & IPR	3	-	70	30	100	2
MTEI-1.6	Audit Course	3	-	70	30	100	0
MTEI-1.7	Instrumentation LAB-I	-	3	-	100	100	2
MTEI-1.8	Signal Processing LAB	-	3	-	100	100	2
	Total	18	06	420	380	800	18

SEMESTER-II

Code	Name of the Subject	Periods/Week		Max. Marks		Total	Credits
		Theory	Lab	Ext.	Int.		
MTEI-2.1	Transducers and signal conditioners	3	-	70	30	100	3
MTEI-2.2	Data Acquisition Systems	3	-	70	30	100	3
MTEI-2.3	Elective – III Processor Control Instrumentation /Remote Sensing and Image Sensors /GPS and Applications		-	70	30	100	3
MTEI-2.4	Elective – IV Nano Technology and Applications /Microcontrollers and Embedded Systems /Digital Image Processing	3	-	70	30	100	3
MTEI-2.5	Audit Course	3	-	70	30	100	0
MTEI-2.6	Instrumentation LAB-II	-	3	-	100	100	2
MTEI-2.7	Microprocessor LAB	-	3	-	100	100	2
MTEI-2.8	Mini Project With Seminar	-	3	-	100	100	2
	Total	15	9	350	450	800	18

SEMESTER-III

Code	Name of the Subject	Periods/Week		Max. Marks		Total	Credits
		Theory	Lab	Ext.	Int.		
MTEI-3.1	Elective V Linear and Digital Systems Design / Optical Fibers and Applications/ /Application specific Integrated circuits(ASIC)	3	-	70	30	100	3
MTEI-3.2	Open Elective VLSI/ Business Analytics Industrial Safety Operational Research Cost Management of Engineering Projects	3	-	70	30	100	3
MTEI-3.3	Dissertation- I / Industrial Project	-	-	-	100	100	10
	Total	6		140	160	300	16

SEMESTER-IV

Code	Name of the Subject	Periods/Week		Max. Marks		Total	Credits
		Theory	Lab	Ext.	Int.		
MTEI-4.1	Dissertation- II	-	-	70	30	100	16
	Total			70	30	100	16

Note:

1. At the end of 3rd semester project review is conducted by HOD with the committee consisting of the HOD, Chair Person of BOS and the Guide. In the Affiliated Colleges, Project (Preliminary) will be evaluated by concerned HOD and the thesis Guide of their respective colleges.
2. At the end of the 4th semester there will be a final viva voce for the project work conducted by the HOD with the committee consisting of HOD, Chair Person of BOS, the Guide and an External examiner nominated by the university.

Audit Course 1 & 2

1. English for Research Paper Writing
2. Disaster Management
3. Sanskrit for Technical Knowledge
4. Value Education
5. Constitution of India
6. Pedagogy Studies
7. Stress Management by Yoga
8. Personality Development through Life Enlightenment Skills.