

M.Tech Curriculum 2018
Computer Science & Engineering

Sem	Number	Course Name	L	T	P	C
I	CS601	Algorithm and Data Structure	3	0	0	6
I	CS610	Programming Lab	0	0	3	3
I	CS603	Theory of computation	3	0	0	6
I	CS605	Computer Systems	3	0	0	6
I	CS650	Computer Systems Lab	0	0	3	3
I	CSxxx	Elective I	3	0	0	6
		Total	12	0	6	30
II	CS602	Machine Learning	3	0	0	6
II	CS620	Machine Learning Lab	0	0	3	3
II	CS606	Data Management	3	0	3	9
II	CSXXX	Elective II	3	0	0	6
II	CSXXX	Elective III	3	0	0	6
		Total	12	0	6	30
III	CS607	Data Analytics	3	0	0	6
	CS670	Data Analytics Lab	0	0	3	3
III	CSXXX	Elective IV	3	0	0	6
III	CS700	Thesis	0	0	15	15
		Total				30
IV	CS701	Thesis	0	0	30	30
		Total	0	0	30	30

M.Tech Curriculum 2018
Communication and Signal Processing

Sem	Number	Course Name	L	T	P	C
I	EC611	Probability and Stochastic Processes	3	0	0	6
I	EC612	Linear Algebra and Optimization Theory	3	0	0	6
I	EC641	Advanced Digital Signal Processing	3	0	0	6
I	EC642	Advanced Digital Signal Processing Lab	0	0	3	3
I	EC651	Advanced Digital Communication	3	0	0	6
I	EC6xx	Elective I	3	0	0	6
		Total	15	0	3	33
		Contact Hours / Week	18			

Sem	Number	Course Name	L	T	P	C
II	EC646	Statistical Signal Processing	3	0	0	6

II	EC653	Wireless Communication	3	0	0	6
II	EC654	Communication Lab	0	0	3	3
II	CS602	Machine Learning	3	0	0	6
II	CS620	Machine Learning Lab	0	0	3	3
II	EC6xx	Elective II	3	0	0	6
		Total	12	0	6	30
		Contact Hours / Week	18			

Sem	Number	Course Name	L	T	P	C
III	EC6xx	Elective III	3	0	0	6
III	EC691	Thesis Part I	0	0	24	24
Sem	Number	Course Name	L	T	P	C
IV	EC692	Thesis Part II	0	0	30	30

Electives

Number	Course Name	L	T	P	C
EC655	Error Control Codes	3	0	0	6
EC601	Data Converters	3	0	0	6
EC643	Image Processing	3	0	0	6
EC645	Biomedical Signal Processing	3	0	0	6
EC656	Modern Error Correcting Codes	3	0	0	6
EC671	Microwave System Design	3	0	0	6
EC681	Advanced Control Systems	3	0	0	6
EC682	Biomedical Instrumentation	3	0	0	6