Curriculum for M Tech 3-Years Program in Electrical Engineering Starting from January
(Power Electronics & Power Systems)

	Semester I			**Semester II**	
EE5240	Electrical Machine Analysis and Control	3	EE5200	Steady State Power System Analysis	3
	Core Elective 1	3	EE5210	Power Converter Design	3
			EE5201	Power System Lab	2
			EE5301	DSP Lab	2
			EE5215	Thesis (Stage 0)	1
	Total Semester Credits	**6**		**Total Semester Credits**	**10 +1**
	Semester III			**Semester IV**	
EE5230	Power System Dynamics and Control	3	EE5220	Advanced Control System	3
EE6235	Thesis (Stage 1)	2	EE5211	Power Electronics and Machines Lab	2
	Core Elective 2	3		Core Elective 4	3
	Core Elective 3	3	EE6245	Thesis (Stage II)	2
	Total Semester Credits	**11**		**Total Semester Credits**	**10**
				Semester VI	
	Semester V			Thesis (Stage IV)	12
EE6255	Thesis (Stage III)	10	EE6265	**Total Semester Credits**	**12**
	Total Semester Credits	**10**			
	Total Credits	**60**			

Curriculum for a 3-year M Tech program Starting from January (Communication and Signal Processing)

	Semester I			Semester II	
EE5340	Communication Network & Systems	3	EE5321/ EE5301	Communications Lab or DSP lab	2
			EE5310	Probability and Random Processes	3
	Core Elective 1	3	EE5300	Digital Signal Processing	3
			EE5320	Digital Communications	3
			EE5315	Thesis (Stage 0)	1
	Total Credits	**6**		**Total Credits**	**11**
	Semester III			**Semester IV**	
EE5330	Information Theory and Coding	3		Core Elective 3	3
	Core Elective 2	3	EE5321/ EE5301	DSP Lab or Communications lab	2
EE6000	Self Study	2			
EE6335	Thesis (Stage I)	2		Core Elective 4	3
			EE6345	Thesis (Stage II)	2
	Total Credits	**10**		**Total Credits**	**10**
	Semester V			**Semester VI**	
EE6355	Thesis (Stage III)	10	EE6365	Thesis (Stage IV)	12
	Total Credits	**10**		**Total Credits**	**12**
	Overall credits	**60**			

Curriculum for a 3-year M Tech program from January (Microelectronics and VLSI)

	Semester I			**Semester II**	
EE5130	Analog IC Design	3	EE5110	Semiconductor Devices & Modelling	3
	Core Elective 1	3	EE5120	VLSI Technology	4
EE5131	VLSI Design Lab	2	EE5111	Device Simulation Lab	2
			EE5300	Digital Signal Processing	3
			EE5115	Thesis (Stage 0)	1
	Total Credits	**8**		**Total Credits**	**13**
	Semester III			**Semester IV**	
EE5140	Digital IC Design and Verification	3			
			EE5301	DSP Lab	2
	Core Elective 2	**3**		Core Elective 3	3
EE5121	Microelectronics Lab	2	EE6145	Thesis (Stage II)	2
EE6135	Thesis (Stage I)	2			
	Total Credits	**10**		**Total Credits**	**7**
	Semester V			**Semester VI**	
EE6155	Thesis (Stage III)	10	EE6165	Thesis (Stage IV)	12
	Total Credits	**10**		**Total Credits**	**12**
	Overall credits	**60**			