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

	Semester I			**Semester II**	
EE5321/ EE5301	Communications Lab or DSP lab	2	EE5340	Communication Network & Systems	3
EE5310	Probability and Random Processes	3	EE5330	Information Theory and Coding	3
EE5300	Digital Signal Processing	3		Core Elective 1	3
EE5320	Digital Communications	3	EE5315	Thesis (Stage 0)	1
	Total Credits	**11**		**Total Credits**	**9**
	Semester III			**Semester IV**	
EE5320	DSP Lab or Communications lab	2		Core Elective 4	3
	Core Elective 2	3	EE6000	Self Study	2
	Core Elective 3	3	EE6345	Thesis (Stage II)	2
EE6335	Thesis (Stage I)	2			
	Total Credits	**10**		**Total Credits**	**7**
	Semester V			**Semester VI**	
EE6355	Thesis (Stage III)	10		Thesis (Stage IV)	12
	Total Credits	**10**	EE6365	**Total Credits**	**12**
	Overall credits	**60**			

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

	Semester I			**Semester II**	

EE5200	Steady State Power System Analysis	3	EE5230	Power Systems Dynamics & Control	3
EE5210	Power Converter Design	3	EE5240	Electrical Machine Analysis & Control	3
EE5201	Power System Lab	2		Core Elective 1	3
EE5301	DSP Lab	2	EE5215	Thesis (Stage 0)	1
	Total Semester Credits	**10**		**Total Semester Credits**	**10**
	Semester III			**Semester IV**	
EE5220	Advanced Control System	3		Core Elective 3	3
	Core Elective 2	3		Core Elective 4	3
EE5211	Power Electronics and Machines Lab	2	EE6245	Thesis (Stage II)	2
EE6235	Thesis (Stage 1)	2			
	Total Semester Credits	**10**		**Total Semester Credits**	**8**
	Semester V			**Semester VI**	
EE6255	Thesis (Stage III)	10	EE6265	Thesis (Stage IV)	12
	Total Semester Credits	**10**		**Total Semester Credits**	**12**
	Total Credits	**60**			

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

	Semester I			**Semester II**	
EE5110	Semiconductor Devices & Modelling	3	EE5130	Analog IC Design	3
EE5120	VLSI Technology	4		Digital IC Design and Verification	3
EE5111	Device Simulation Lab	2	EE5131	VLSI Design Lab	2
EE5300	Digital Signal Processing	3		Microelectronics Lab	2

				Thesis (Stage 0)	1
	Total Credits	**12**		**Total Credits**	**11**
	Semester III			**Semester IV**	
EE5301	DSP Lab	2		Core Elective 2	**3**
	Core Elective 1	3		Core Elective 3	3
			EE6145	Thesis (Stage II)	2
EE6135	Thesis (Stage I)	2			
	Total Credits	**7**		**Total Credits**	**8**
	Semester V			**Semester VI**	
EE6155	Thesis (Stage III)	10	EE6165	Thesis (Stage IV)	12
	Total Credits	**10**		**Total Credits**	**12**
	Overall credits	**60**			