Curriculum Structure for M.Tech. Electronics (2017-2018)

Sr. No.	Course Code	Course Title	Teaching Scheme				Credits
			L	T	P	Total Hours	
Semester I							
1	ECE501	Modern Digital Design using Verilog	3	1	2	6	5
2	ECE502	Advanced Digital Signal Processing	3	0	2	5	4
3	ECE503	Digital Image Processing	3	0	2	5	4
4	ECE504x	Program Elective-I	3	0	2	5	4
5	ECE504x	Program Elective-II	3	0	2	5	4
6	ECE505	Seminar-I	0	0	2	2	1
Total			15	1	12	28	22
Program Elective I and Program Elective II (Choose two course from following)							
ECE504A		Information Theory and Coding					
ECE504B		Pattern Recognition					
ECE504C		Artificial Neural Networks and Applications					
ECE504D		Semiconductor Devices and Technology					
ECE504E		Advanced Computer Architecture					
ECE504F		Statistical Signal Processing					
Semester II							
1	ECE506	Modern Wireless Communication	3	0	0	3	3
2	ECE507	Wavelets	3	0	2	5	4
3	ECE508	Embedded Systems Design	3	0	2	5	4
4	ECE509x	Program Elective-III	3	0	2	5	4
5	ECE509x	Program Elective-IV	3	0	2	5	4
6	ECE510	Seminar-II	0	0	2	2	1
Total			15	0	10	25	20
Program Elective III and Program Elective IV (Choose two course from following)							
ECE509A		Soft Computing and Applications					
ECE509B		Data Warehousing and Data Mining					
ECE509C		Multimedia systems and Applications					
ECE509D		Computer Vision					
ECE509E		Advanced VLSI Design					
ECE509F		Analog IC Design					
ECE509G		Adaptive Signal Processing					
Semester III							
1	ECE601	Project Part – I	0	0	24	24	24
Total			0	0	24	24	24
Semester IV							
1	ECE602	Project Part – II	0	0	24	24	24
Total			0	0	24	24	24