ME (Electronics) – Curriculum Structure

Sr. No.	Courses	Credit Structure	
		No. of Courses	Credits
1	Program Core	04	12 (3 each)
2	Open core	02	06 (3 each)
3	Program Elective	03	09 (3 each)
4	Open Elective	01	03
5	Program Lab	02	04 (2 each)
6	Case History and industry Experiences	01	01
7	Seminar and Technical Writing	01	01
8	Project/ Industry based Project	02	12+18=30
Total Credits		66	

Semester I

Sr. No.	Course Code	Course Name	L	T	P	Credits
1	ECN531	Program Core-I : **Advanced Communication System**	3	0	0	3
2	ECN511	Program Core-II : **Electronic System Design**	3	0	0	3
3	MAN 501	Program Mathematics/ Mathematics (Open Core I):	3	0	0	3
4		Program Elective-I	3	0	0	3
5		Program Elective-II	3	0	0	3
6	ECN542	Program Lab-I : **Electronics Lab-I**	0	0	3	2
Total						**17**

Semester II

Sr. No.	Course Code	Course Name	L	T	P	Credits
1	ECN544	Open core-II : **Design of Experiments and Research Methodology**	3	0	0	3
2	ECN537	Program Core-III : **Telecommunication System**	3	0	0	3

3	ECN538	Program Core IV: **Microcontroller and Embedded System**	3	0	0	3
4		Program Elective-III	3	0	0	3
5		Open Elective*	3	0	0	3
6	ECN543	Program Lab-II :	0	0	3	2
Total						**17**

*It could be intra/inter departmental ME course

Semester III

Sr. No.	Course Code	Course Name	L	T	P	Credits
1	ECN546	Case History and industry Experiences	0	0	2	1
2	ECN547	Seminar and Technical Writing	0	0	2	1
3	ECN598	Project/ Industry based Project -I	0	0	24	12
Total						**14**

Semester IV

Sr. No.	Course Code	Course Name	L	T	P	Credits
1	ECN599	Project/ Industry-based Project -II	0	0	36	18
Total						**18**

List of Electives

Program Elective –I (Any one)

Course Code	Course Name	L T P	Credits
ECN 532	Satellite Communication	3-0-0	3
ECN 533	Biomedical Engineering	3-0-0	3
ECN 534	E-waste Management	3-0-0	3
ECN 512	Microelectronics	3-0-0	3
Total			**03**

Program Elective –II (Any one)

Course Code	Course Name	L T P	Credits
ECN 535	Mobile Communication And Fading	3-0-0	3
ECN 523	Advance Digital Signal Processing	3-0-0	3
ECN 536	Advance Computer Architecture	3-0-0	3
ECN 524	FPGA Based System Design	3-0-0	3
Total			**03**

Program Elective –III (Any one)

Course Code	Course Name	L T P	Credits
ECN 539	Digital Image Processing	3-0-0	3
ECN 540	Optoelectronics And Communication	3-0-0	3
ECN 541	Advanced Techniques For Signal Reception	3-0-0	3
Program Elective Total		**9-0-0**	**09**

Open Electives

Course Code	Course Name	L T P	Credits
EVN525	Advanced Virtual Instrumentation	3-0-0	3
EVN529	Neural Networks	3-0-0	3