

Department of Electrical and Electronics Engineering

Curriculum & Syllabi 2011 Regulations for M.E. Applied Electronics

SEMESTER I

S.No	Course Code	Course Name	L	T	P	C	M
1	11AE101	Applied Mathematics	3	1	0	4	100
2	11AE102	Advanced Digital Signal Processing	3	1	0	4	100
3	11AE103	Advanced Digital System Design	3	0	0	3	100
4	11AE104	VLSI Design Techniques	3	0	0	3	100
5	11AE105	Industrial Electronics	3	0	0	3	100
6	11AE107	Applied Electronics Design Laboratory	0	0	3	2	100
7	XXX	Elective I	3	0	0	3	100
Total			18	2	3	22	700

SEMESTER II

8	11AE201	Analysis and Design of Analog Integrated Circuits	3	1	0	4	100
9	11AE202	Embedded Systems	3	0	0	3	100
10	11AE203	CAD of VLSI Circuits	3	0	0	3	100
11	11AE204	Digital Control Engineering	3	0	0	3	100
12	XXX	Elective II	3	0	0	3	100
13	XXX	Elective III	3	0	0	3	100
14	11AE207	Applied Electronics Design Laboratory II	0	0	3	2	100
Total			18	1	3	21	700

SEMESTER III

15	XXX	Elective IV	3	0	0	3	100
16	XXX	Elective V	3	0	0	3	100
17	XXX	Elective VI	3	0	0	3	100
18	11AE307	Project Work Phase I	0	0	12	6	200
Total			9	0	12	15	500

SEMESTER IV

19	11AE407	Project Work Phase II	0	0	24	12	400
Total			0	0	24	12	400

L: Lecture

T: Tutorial

P: Practical

C: Credits

M: Marks

Elective List

1	11AE915	Soft Computing Techniques	3	0	0	3	100
2	11AE911	Project Management	3	0	0	3	100
3	11AE912	Advanced Microprocessors	3	0	0	3	100
4	11AE913	Programming with VHDL	3	0	0	3	100
5	11AE914	Digital Image Processing	3	0	0	3	100
6	11AE916	Power Quality Engineering	3	0	0	3	100
7	11AE917	ASIC Design	3	0	0	3	100
8	11AE918	Data Communication Networks	3	0	0	3	100
9	11AE919	Virtual Instrumentation Systems	3	0	0	3	100
10	11AE920	Nano computing	3	0	0	3	100
11	11AE921	VLSI Signal Processing	3	0	0	3	100
12	11AE922	High Performance Switching Architectures	3	0	0	3	100
13	11AE923	MEMS System Design Concepts	3	0	0	3	100
14	11AE924	Wavelet Transforms and its Applications	3	0	0	3	100
15	11AE925	Low Power VLSI Design	3	0	0	3	100
16	11AE926	Internetworking and multimedia	3	0	0	3	100
17	11AE927	Algorithm Analysis and Design	3	0	0	3	100
18	11AE928	Research Methodology	3	0	0	3	100
19	11AE929	Speech and Audio Signal Processing	3	0	0	3	100