

Diploma Course in Electronics Engineering (Micro Electronics)

SEMESTER I

S. No.	Course Code	Course Title	L	T	P	Contact Hours	Credit
1	24D11MA111	Applied Mathematics-I	2	1	0	3	3
2	24D11PH111	Applied Physics-I	2	1	0	3	3
3	24D11BT111	Applied Chemistry	2	1	0	3	3
4	24D11HS111	Communication Skills in English	2	0	0	2	2
	24D11CS111	Fundamentals of computers and computational thinking using Python	2	1	0	3	3
5	24D15EC111	Engineering Graphics	0	0	3	3	1.5
6	24D15PH111	Applied Physics -I Lab	0	0	2	2	1
7	24D15BT111	Applied Chemistry Lab	0	0	2	2	1
8	24D15CS111	Fundamentals of computers and computational thinking using Python Lab	0	0	2	2	1
9	24D15HS111	Communication Skills in English Lab	0	0	2	2	1
		Total				25	19.5

Total Credits: HSS-3, BS-11, ES-5.5

SEMESTER II

S. No.	Course Code	Course Title	L	T	P	Contact Hours	Credit
1	24D11MA112	Applied Mathematics-II	2	1	0	3	3
2	24D11PH112	Applied Physics-II	2	1	0	3	3
3	24D11CS112	Fundamentals of Programming	2	1	0	3	3
4	24D11EC112	Fundamentals of Electrical and Electronics Engineering	2	1	0	3	3
5	24D11BT111	Environmental Science	2	0	0	2	0
6	24D15PH112	Applied Physics -II Lab	0	0	2	2	1
7	24D15CS112	Programming Lab	0	0	2	2	1
8	24D15EC112	Fundamentals of Electrical and Electronics Engineering lab	0	0	2	2	1
9	24D15EC113	Engineering workshop practice	0	0	3	2	1.5
10	24D11HS112	Basic Technical Writing	2	0	0	2	2
		Total				25	18.5

Total Credits: HSS-2, BS-7, ES-9.5

SEMESTER III

S. No.	Course Code	Course Title	L	T	P	Credit
1	PC	Electrical Circuit Analysis	2	1	0	3
2	PC	Electronics Devices and Circuits	2	1	0	3
3	PC	Digital Electronics	2	1	0	3
4	PC	Electronics Measurements and Instrumentation	2	1	0	3
5	PC	Electronic Devices and Circuits Lab	0	0	2	1
6	PC	Digital Electronics Lab	0	0	2	1
7	PC	Electronics Measurements and Instrumentation Lab	0	0	2	1
8	PC	3D Printing Lab	0	0	2	1
9	PC	Electrical Circuit Simulation Lab	0	0	2	1
10	HSS	Seminar & Report Writing	2	0	0	2
		Total				19

Total Credits: PC-17, HSS-2

SEMESTER IV

S. No.	Course Code	Course Title	L	T	P	Credit
1	PC	Introduction to Device Fabrication Techniques	2	1	0	3
2	PC	Introduction to Semiconductors	2	1	0	3
3	PC	Semiconductor Technology Equipment Maintenance	2	1	0	3
4	PC	Fundamentals of Microprocessor	2	1	0	3
5	PC	Linear Integrated Circuits	2	1	0	3
6	PC	Device Fabrication Lab	0	0	2	1
7	PC	Microprocessor Lab	0	0	2	1
8	PC	Linear Integrated Circuits Lab	0	0	2	1
9	(P,S,I)	Minor Project	0	0	8	4
10	AC	Essence of Indian Knowledge and Tradition	2	0	0	0
		Total				22

Total Credits: PC-18, (P,S,I)-4

SEMESTER V

S. No.	Course Code	Course Title	L	T	P	Credit
1	PE	Discipline Elective-1	3	0	0	3
2	PE	Discipline Elective-2	3	0	0	3
3	PC	Introduction to VLSI Design	2	1	0	3
4	PC	Safety Protocols for IC Foundry	2	1	0	3
5	PC	PCB Design & Prototyping Lab	0	0	2	1
6	PC	VLSI Simulation Lab -1	0	0	2	1
7	OE	Open Elective-1	3	0	0	3
8	(P,S,I)	Summer Internship	Qualifying			0
9	(P,S,I)	Major Project Part-1	0	0	8	4
		Total				21

Total Credits: PC-8, PE-6, OE-3 (P,S,I)-4

SEMESTER VI

S. No.	Course Code	Course Title	L	T	P	Credit
1	PE	Discipline Elective-3	3	0	0	3
2	PE	Discipline Elective-4	3	0	0	3
4	PE	Discipline Elective-5	3	0	0	3
5	OE	Open Elective-2	3	0	0	3
6	PC	Embedded System and IoT Lab	0	0	4	2
7	(P,S,I)	Major Project Part-2	0	0	12	6
		Total				20

Total Credits: PC-2, PE-9, OE-3, (P,S,I)-6

Total Credits: 120