Semester-wise Course Structure

1st Year - Semester 1

Sl. No.	Course Code	Course Title	L	T	P	Credits
1	MTH –S101	Mathematics – I	3	1	0	4
2	PHY -S101T	Physics – I	3	1	0	3
3	PHY -S101P	Physics Lab-I	0	0	3	2
4	TCA –S101	Engineering Drawing	0	2	4	5
5	HSS –S101	Communicative English	3	1	0	4
6	ESC –S101T	Basic Electrical & Electronics Engineering	3	1	0	3
7	ESC –S101P	Basic Electrical & Electronics Engineering Lab	0	0	3	2
8	UHV –S101	Universal Human Values-I (SIP)				
		Total	**12**	**6**	**10**	**23**

1st Year - Semester 1I

Sl. No.	Course Code	Course Title	L	T	P	Credits
1	MTH –S102	Mathematics–II	3	1	0	4
2	PHY -S102T	Physics–II	3	1	0	3
3	PHY -S102P	Physics Lab-II	0	0	3	2
4	ISC –S101T	Programming & Computing (C & UNIX)	3	0	0	3
5	ISC –S101P	Programming Lab (C & UNIX)	0	0	3	2
6	TCA –S102T	Workshop Concepts	1	1	0	2
7	TCA –S102P	Workshop Practice	0	0	3	3
8	CHM –S101T	Chemistry–I	3	0	0	3
9	CHM –S101P	Chemistry Lab–I	0	0	3	2
		Total	**13**	**3**	**12**	**24**

2nd Year - Semester II1

Sl. No.	Course Code	Course Title	L	T	P	Credits
1	MTH –S201	Mathematics–III	3	1	0	4
2	ESC –S202	Thermodynamics	3	1	0	4
3	ESC –S201	Engineering Mechanics	3	1	0	4
4	ECE –S201T	Analog Electronics	3	1	0	3
5	ECE –S201P	Analog Electronics Lab	0	0	2	2
6	ECE –S202	Network Analysis and Synthesis	3	1	0	4
7	SST –S201	Summer Training	0	0	3	2
		Total	**15**	**5**	**5**	**23**

2nd Year - Semester IV

Sl. No.	Course Code	Course Title	L	T	P	Credits
1	HSS –S401	Industrial Economics	3	1	0	4
2	MTH –S301	Mathematics-II	3	1	0	4
3	ECE –S203T	Digital Electronics	3	0	0	3
4	ECE –S203P	Digital Electronics Lab	0	0	3	2
5	ECE –S204T	Electrical Machine	3	0	0	3
6	ECE –S204P	Electrical Machine Lab	0	0	3	2
7	ECE –S205	Electromagnetic Theory	3	1	0	4
8	EVS –S101	Environmental Science	2	0	0	2
9	UHV –S201	Universal Human Values-II	2	1	0	3
		Total	**19**	**4**	**6**	**27**

3rd Year - Semester V

Sl. No.	Course Code	Course Title	L	T	P	Credits
1	HSS –S301	Professional Communication	3	1	0	4
2	ECE –S301	Electronics Circuit	3	1	0	4
3	ECE –S302	Signal and Systems	3	1	0	4
4	ECE –S303T	Measurement and Instrumentation	3	0	0	3
5	ECE –S303P	Measurement and Instrumentation Lab	0	0	2	1
6	ECE –S304T	Microprocessor	3	0	0	3
7	ECE –S304P	Microprocessor Lab	0	0	3	2
8	ECE –S305	Electrical Engineering Materials	3	1	0	4
9	SST –S301	Student Summer Training	0	0	3	2
		Total	**18**	**4**	**8**	**27**

3rd Year - Semester VI

Sl. No.	Course Code	Course Title	L	T	P	Credits
1	ECE –S306	Automatic Control System	3	1	0	4
2	ECE –S307T	Analog Integrated Circuit	3	0	0	3
3	ECE –S307P	Analog Integrated Circuit Lab	0	0	3	2
4	ECE –S308T	Communication System	3	0	0	3
5	ECE –S308P	Communication System Lab	0	0	3	2
6	ECE –S309	Antenna and Microwave Engineering	3	1	0	4
7	ECE –S50X	Departmental/Open Elective-I	3	1	0	4
8	SSM –S301	Student Seminar	0	0	3	2
		Total	**15**	**3**	**9**	**24**

4th Year - Semester VII

Sl. No.	Course Code	Course Title	L	T	P	Credits
1	HSS –S201	Industrial Management	3	0	0	4
2	ECE –S401T	Digital Communication	3	0	0	3
3	ECE –S401P	Digital Communication Lab	0	0	3	2
4	ECE –S402	Data Communication	3	1	0	4
5	ECE –S403T	Digital Signal Processing	3	0	0	3
6	ECE –S403P	Digital Signal Processing Lab	0	0	3	2
7	SST –S401	Summer Training	0	0	3	2
8	PRT –S401	B.Tech. Project I	0	0	6	4
		Total	**12**	**1**	**15**	**24**

4th Year - Semester VIII

Sl. No.	Course Code	Course Title	L	T	P	Credits
1	ECE –S404T	Wireless and Mobile Communication	3	0	0	3
2	ECE –S404P	Wireless and Mobile Communication Lab	0	0	3	2
3	ECE –S405T	Optical Communication	3	0	0	3
4	ECE –S405P	Optical Communication Lab	0	0	2	1
5	ECE –S406	VLSI Design and Technology	3	1	0	4
6	ECE –S5XX	Departmental Elective-II	3	1	0	4
7	PRT –S402	B.Tech. Project II	0	0	6	4
		Total	**12**	**2**	**11**	**21**

Total Credits – 193

NOTE: Total No. of Lectures in each course should in the range of 40 to 45 per semester if per week three lectures are allotted.