

B.E. in Electronic & Communication Engineering

Semester:1

Code	Subject	Theory(Hrs)	Tutorial(Hrs)	Practical(Hrs)	Credits
3110014	Mathematics-I	0	0	0	0
3110011	Physics Group - I	3	0	2	4
3110005	Basic Electrical Engineering	3	0	2	4
3110013	Engineering Graphics & Design	3	0	2	4
3110006	Basic Mechanical Engineering	3	0	2	4

Semester:2

Code	Subject	Theory(Hrs)	Tutorial(Hrs)	Practical(Hrs)	Credits
3110002	English	2	0	2	3
3110003	Programming for Problem Solving	3	0	2	4
3110007	Environmental Science	2	2	0	0
3110012	Workshop	0	0	4	23110015
3110015	Mathematics-II	3	2	0	5
3110016	Basic Electronics	3	0	2	5

Semester:3

Code	Subject	Theory(Hrs)	Tutorial(Hrs)	Practical(Hrs)	Credits
3130004	Effective Technical Communication	2	0	2	3
3130006	Probability and Statistics	3	2	0	5
3130007	Indian Constitution	2	0	0	0
3131101	Control Systems	3	0	2	4
3131102	Digital System Design	4	0	2	5
3131103	Network Theory	4	0	2	5
3130008	Design Engineering - I A	0	0	2	1

Semester:4

Code	Subject	Theory(Hrs)	Tutorial(Hrs)	Practical(Hrs)	Credits
2140002	Design Engineering - I B	0	0	3	3
2140304	Microprocessor and Interfacing	4	0	2	6
2141002	Analog Circuit Design	4	0	2	6
2141003	Electronics Measurement and Instrumentation	3	0	2	5
2141004	Control System Engineering	4	0	2	6
2141005	Signals and Systems	3	0	2	5
2141006	Simulation and Design Tools	0	0	2	2

Semester:5

Code	Subject	Theory(Hrs)	Tutorial(Hrs)	Practical(Hrs)	Credits
2150001	Design Engineering - II A	0	0	3	3
2150002	Cyber Security (Inst. Elec.)	0	1	2	3
2150003	Disaster Management (Inst. Elec.)	3	0	0	3
2151001	Microcontroller and Interfacing	4	0	2	6
2151002	Engineering Electromagnetics	4	0	2	6
2151004	Electronic and Communication	4	0	2	6
2151101	Audio Video Systems	3	0	2	5
2151102	Mini Project	0	0	2	2

Semester:6

Code	Subject	Theory(Hrs)	Tutorial(Hrs)	Practical(Hrs)	Credits
2160001	Design Engineering - II B	0	0	3	3
2161001	Digital Communication	4	0	2	6
2161003	Antenna and Wave Propagation	4	0	2	6
2161005	Optical Communication (Dept Elec-I)	4	0	2	6
2161006	Power Electronics Devices and Circuits (Dept Elec-I)	3	0	2	5
2161101	VLSI Technology and Design VLSI Technl Technology and Design ology and Design	4	0	2	6
2161102	Advanced Microprocessor (Dept Elec-I)	3	0	2	5
2161103	Telecommunication Switching Systems and Networks (Dept Elec-I)	4	0	2	6

Semester:7

Code	Subject	Theory(Hrs)	Tutorial(Hrs)	Practical(Hrs)	Credits
2170001	Project	0	0	4	4
2171001	Microwave Engineering	4	0	2	6
2171003	Digital Signal Processing (Dept Elec-II)	4	0	2	6
2171004	Wireless Communication	4	0	2	6
2171005	Embedded Systems (Dept Elec-II)	3	0	2	5
2171007	Satellite Communication (Dept Elec-II) Satellite Communication (Dept Elec-II) Satellite Communicati	3	0	2	5
2171008	Data Communication and Networking (Dept Elec-II)	3	0	2	5
2171102	Biomedical Instrumentation (Dept Elec-II)	3	0	2	5
2171103	Industrial Automation (Dept Elec-II)	3	0	2	5

Semester:8

Code	Subject	Theory(Hrs)	Tutorial(Hrs)	Practical(Hrs)	Credits
2181102	Fundamentals of Image Processing (Dept Elec - III)	4	0	2	6
2181103	Radar & Navigational Aids (Dept Elec - III)	4	0	2	6
2181105	Project II	0	0	24	24
2181106	Device Driver & Writing (Dept Elec - III)	4	0	2	6
2181107	Testing And Verification (Dept Elec - III)	4	0	2	6