

B.Tech. Electronics and Communication Engineering		
Sr. No	Subject Name	NO OF UNITS
1	Analog Communications	8
2	Antennas And Wave Propagation	8
3	Cellular & Mobile Communications	8
4	Computer Architecture & Organization	8
5	Computer Networks	8
6	Control Systems	8
7	Data Communication & Computer Networks	8
8	Digital Communications	8
9	Data Communication Systems	8
10	Digital Ic Applications	8
11	Digital Image Processing	8
12	Digital Signal Processing	8
13	Electrical Technology	8
14	Electromagnetic Waves & Transmission Lines	8
15	Electronic Circuit Analysis	8
16	Electronic Devices & Circuits	8
17	Electronic Measurements And Instrumentation	8
18	Embedded Systems	8
19	Ipr & Patents - I	4
20	Ipr & Patents - II	4
21	Linear IC Applications	8
22	Managerial Economics And Financial Analysis	8
23	Microporocessors & Interfacing	8
24	Microprocessors & Microcontrollers	8
25	Microwave Engineering	8
26	Network Analysis	8
27	Optical Communication	8
28	Principles Of Electrical Engineering	8
29	Probability Theory & Stochastic Processes	8
30	Pulse & Digital Circuits	8
31	Radar Systems	8
32	Signals & Systems	8
33	Switching Theory & Logic Design	8
34	VLSI Design	8
B.Tech. Electrical and Electronics Engineering		
Sr. No	Subject Name	NO OF UNITS
1	Basic Electrical Engineering	8
2	Complex Variables And Statistical Methods	8
3	Computer Methods In Power Systems	8
4	Digital Control Systems	8
5	Electrical Circuit Analysis - I	8

6	Electrical Machine Design	8
7	Electrical Machines - I	8
8	Electrical Machines - II	8
9	Electrical Machines - III	8
10	Electrical Measurements	8
11	Electrical Circuits	8
12	Electronic Circuits	8
13	Electro Magnetic Fields	8
14	High Voltage Engineering	8
15	HVAC & DC Transmission	8
16	Instrumentation	8
17	Network Theory	8
18	Object Oriented Analysis And Design	8
19	Power Electronics	8
20	Power Semiconductor Drives	8
21	Power System Analysis	8
22	Power System Operation & Control	8
23	Power Systems - I	8
24	Power Systems-II	8
25	Renewable Energy Sources & Systems	8
26	Switch Gear & Protection	8
27	Thermal and Hydro Prime movers	6
28	Utilization Of Electrical Energy	8

B.Tech. Mechanical Engineering

Sr. No	Subject Name	NO OF UNITS
1	Alternative Sources Of Energy	8
2	Applied Thermodynamics - I	8
3	Applied Thermodynamics - II	8
4	Automobile Engineering	8
5	CAD/CAM	8
6	Computer Aided Engineering Drawing Practice	8
7	Design Of Machine Members - I	8
8	Design Of Machine Members - II	8
9	Dynamics Of Machinery	8
10	Engineering Mechanics	8
11	Engineering Metrology	8
12	Finite Element Methods	8
13	Fluid Mechanics & Hydraulic Machinery	8
14	Heat Transfer	8
15	Industrial Engg. & Management	8
16	Instrumentation & Control Systems	8
17	Interactive Computer Graphics	8
18	Kinematics Of Machinery	8
19	Machine Drawing	3

20	Mechanics Of Fluids And Hydraulic Machines	8
21	Mechanics Of Solids	8
22	Metal Cutting & Machine Tools	8
23	Metallurgy & Materials Science	8
24	Metrology & Surface Engineering	8
25	Numerical Methods	8
26	Operations Research	8
27	Power Plant Engineering	8
28	Production Planning And Control	8
29	Production Technology	8
30	Refrigeration And Air Conditioning	8
31	Robotics	8
32	Thermal Engineering - II	8
33	Thermal Engineering - I	8
34	Thermodynamics	8
35	Unconventional Machining Processes	8
B.Tech. Civil Engineering		
Sr. No	Subject Name	NO OF UNITS
1	Building Planning and Drawing	8
2	Building Materials And Construction	8
3	Concrete Technology	8
4	Construction Technology and Management	8
5	Design & Drawing Of Concrete Structures - II	8
6	Design & Drawing Of Concrete Structures-I	8
7	Design & Drawing Of Irrigation Structures	8
8	Design & Drawing Of Steel Structure - II	8
9	Electrical And Electronics Engineering	8
10	Engineering Geology	8
11	Environmental Engineering	8
12	Estimation, Specifications & Contracts	5
13	Fluid Mechanics	8
14	Geotechnical Engineering - I	8
15	Geotechnical Engineering - II	8
16	Hydraulics & Hydraulic Machinery	8
17	Mathematics - III	8
18	Mechanics Of Materials	8
19	Probability & Statistics	8
20	Remote Sensing And GIS Applications	8
21	Strength Of Materials	8
22	Strength Of Materials - II	8
23	Structural Analysis - I	8
24	Structural Analysis - II	8
25	Surveying	8
26	Transportation Engineering - I	8

27	Transportation Engineering - II	8
28	Water And Wastewater Engineering	8
29	Water Resources Engineeirng - I	8
30	Water Resources Engineering - II	8
B.Tech. Computer Science Engineering & Information Technology		
Sr. No	Subject Name	NO OF UNITS
1	Advanced Computer Networks	8
2	Advanced Data Structures	8
3	Advanced Java And Web Technologies	8
4	Automata Theory & Compiler Design	8
5	Cloud Computing	8
6	Compiler Design	8
7	Computer Architecture	8
8	Computer Graphics	8
9	Computer Networks	8
10	Computer Oganization	8
11	Cryptography and Network Security	8
12	Data Base Management Systems	8
13	Data Communication	8
14	Data warehousing and Data Mining	8
15	Design And Analysis Of Algorithms	8
16	Digital Logic Design and Computer Organization	8
17	Digital Logic Design	8
18	Data Structures	8
19	Distributed Systems	8
20	Formal Languages And Automata Theory	8
21	Linux Programming	8
22	Management Science	8
23	Mathematical Foundations Of Computer Science And Engineering	8
24	Micro Processors And Multicore Systems	8
25	Mobile Computing	8
26	Network Security	8
27	Object Oriented Analysis And Design	8
28	Object Oriented Programming	8
29	Object Oriented Programming Through C++	8
30	Object Oriented ProgrammingThrough Java	8
31	Operating Systems	8
32	Principles Of Programming Languages	8
33	Probability And Statistics	8
34	Software Engineering	8
35	Software Project Management	8
36	Software Testing Methodologies	8
37	UML and Design Patterns	8
38	Unix Programming	8

39	Web Services	8
40	Web Technologies	8
B.Tech. All Branches Common Subjects		
Sr. No	Subject Name	NO OF UNITS
1	Computer Programming	8
2	Engineering Chemistry	8
3	Engineering Drawing	8
4	Engineering Physics	8
5	Environmental Studies	8
6	Mathematical Methods	8
7	Mathematics - I	8
8	Mathematics - II	8
9	Professional Ethics and Human Values	6
10	Professional Ethics and Morals-I	4
11	Professional Ethics and morals-II	4