



**NETAJI SUBHASH INSTITUTE OF TECHNOLOGY, BIHTA, PATNA**  
**Affiliated to Bihar Engineering University**

Bachelor of Technology

Department of Electrical & Electronics  
 Attainment of Course with Program Outcome

S.No.	Semester	Subject Code	Subject	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	I	100103	CHEMISTRY	1.21	0.87	1.08	1.30	1.73	2.02	2.31	2.31	1.16	1.44	2.60	1.59	0.87	0.87
2	I	100104	PROGRAMMING FOR PROBLEM SOLVING	1.16	0.87	0.87	0.87	0.00	0.00	0.87	0.00	0.87	0.87	0.00	0.87	0.87	0.87
3	I	100105	WORKSHOP MANUFACTURING PRACTICES	0.16	0.36	0.27	0.35	0.36	0.17	0.40	0.20	0.67	0.57	0.42	0.16	0.40	0.49
4	I	100106	ENGLISH	1.52	1.56	1.39	1.30	1.73	2.17	1.73	1.73	0.87	1.08	1.21	1.52	1.39	1.56
5	I	103102	MATHEMATICS –I (CALCULUS AND DIFFERENTIAL EQUATIONS)	2.41	2.67	0.86	1.70	1.21	2.67	0.92	0.00	0.00	0.69	1.38	0.00	0.85	0.89
6	I	100103P	CHEMISTRY LAB	1.40	1.20	1.67	1.80	2.00	2.67	1.50	0.00	1.33	1.67	2.33	1.33	1.00	1.00
7	I	100104P	PROGRAMMING FOR PROBLEM SOLVING LAB	1.20	0.00	0.60	0.60	0.00	1.20	0.60	0.00	0.00	0.60	1.20	0.00	0.72	0.84
8	I	100105P	WORKSHOP MANUFACTURING PRACTICES LAB	1.08	0.84	0.72	0.96	0.96	1.20	1.20	1.50	1.20	0.90	0.90	0.90	0.90	0.80
9	I	100106P	ENGLISH LAB	1.05	1.08	0.96	0.90	1.20	1.50	1.20	1.20	0.60	0.75	0.84	1.05	0.00	0.60
10	II	100201	BASIC ELECTRICAL ENGINEERING	2.43	2.43	1.04	2.17	0.00	1.73	2.25	0.00	0.00	0.87	1.30	1.56	2.25	1.73
11	II	100202	ENGINEERING GRAPHICS & DESIGN	0.40	0.67	0.67	0.67	0.42	0.13	0.67	0.13	0.67	0.67	0.13	0.49	0.40	0.31
12	II	103201	PHYSICS (WAVE & OPTICS AND INTRODUCTION TO QUANTUM MECHANICS)	2.31	1.88	1.88	1.16	1.73	0.00	0.87	0.00	0.00	0.87	0.00	0.00	1.16	1.73
13	II	103202	MATHEMATICS - II (LINEAR ALGEBRA, TRANSFORM)	2.43	2.60	1.08	1.95	1.52	1.73	1.16	0.00	0.00	0.87	1.73	0.00	0.87	0.87
14	II	100201P	BASIC ELECTRICAL ENGINEERING LAB	2.75	2.75	1.25	2.67	0.00	2.00	1.00	0.00	0.00	1.00	1.33	1.50	2.25	2.75
15	II	100202P	ENGINEERING GRAPHICS & DESIGN LAB	1.50	1.00	1.00	1.00	1.75	2.00	1.00	2.00	1.00	1.00	2.00	1.33	1.00	1.00
16	II	103201P	PHYSICS (WAVE & OPTICS AND INTRODUCTION TO QUANTUM MECHANICS) LAB	2.00	2.00	1.00	2.00	0.00	2.00	2.00	0.00	1.00	1.00	1.00	0.00	1.80	2.40
17	III	100305	DIGITAL ELECTRONICS	2.17	2.17	1.30	1.95	0.87	1.73	2.17	0.00	0.00	0.87	1.16	2.17	1.73	1.73
18	III	100306	ELECTRICAL CIRCUIT ANALYSIS	3.00	2.80	1.20	2.25	0.00	2.00	2.60	0.00	0.00	1.00	1.67	2.60	2.60	2.60
19	III	100307	ELECTRICAL MACHINES -I	2.40	2.40	2.00	3.00	1.00	2.00	1.00	0.00	0.00	1.00	1.60	2.60	2.00	2.40
20	III	100308	ELECTROMAGNETIC FIELDS	2.67	2.17	2.17	1.33	2.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.67	2.67
21	III	100310	ENGINEERING MECHANICS	2.02	1.04	1.04	0.87	1.52	1.73	0.87	1.73	0.87	1.56	0.87	1.30	0.87	1.16
22	III	100307P	ELECTRICAL MACHINES LABORATORY-I	3.00	2.00	1.00	3.00	2.00	0.00	2.00	0.00	2.00	1.00	1.00	2.00	2.00	2.00
23	III	100399P	INTERNSHIP	1.00	1.00	0.00	1.00	2.33	2.75	0.00	2.33	1.80	1.50	1.60	2.80	1.00	1.00
24	IV	100401	BIOLOGY FOR ENGINEERS	1.50	1.00	1.25	1.00	1.75	2.00	1.00	3.00	1.00	1.20	1.00	1.00	1.00	1.00

S.No.	Semester	Subject Code	Subject	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
25	IV	110401	ANALOG ELECTRONICS	3.00	2.00	1.80	2.00	1.60	0.00	0.00	0.00	0.00	0.00	1.60	2.00	3.00	3.00
26	IV	110402	ELECTRICAL MACHINES - II	2.40	2.40	2.00	3.00	1.00	2.00	1.00	0.00	0.00	1.00	1.60	2.60	2.00	2.00
27	IV	110408	OBIP	1.80	1.80	1.60	1.50	1.80	2.25	1.67	2.00	1.50	1.20	1.60	1.80	1.00	1.00
28	IV	110404	MATHEMATICS - III (PROBABILITY & STATISTICS)	2.43	2.60	1.08	1.95	1.52	1.73	1.16	0.00	0.00	0.87	1.73	1.73	1.73	1.73
29	IV	110405	MICROPROCESSORS	1.56	1.73	1.44	2.17	1.73	0.00	0.87	0.00	0.00	1.39	1.21	2.43	1.04	1.56
30	IV	110406	SIGNALS AND SYSTEMS	2.43	2.25	1.91	2.25	2.38	2.60	2.25	2.31	1.08	2.60	2.25	2.60	2.43	2.25
31	IV	110401P	ANALOG ELECTRONICS LAB	2.00	2.60	1.40	2.40	2.80	2.00	1.00	0.00	0.00	0.00	1.50	2.00	2.00	2.00
32	IV	110402P	ELECTRICAL MACHINES - II LAB	3.00	2.00	1.00	3.00	2.00	0.00	2.00	0.00	2.00	1.00	1.00	2.00	2.00	1.00
33	IV	110405P	MICROPROCESSORS LAB	2.00	2.00	1.00	2.80	2.00	0.00	0.00	0.00	1.00	2.00	1.00	2.00	2.00	2.00
34	V	100502	CONTROL SYSTEMS	2.24	2.43	1.87	2.24	1.68	2.24	1.49	0.00	0.00	2.61	2.80	1.87	2.00	2.00
35	V	100506	POWER ELECTRONICS	3.00	2.60	2.00	2.50	1.67	3.00	2.67	0.00	0.00	2.33	2.50	2.67	2.00	2.00
36	V	100507	POWER SYSTEMS-I (APPARATUS AND MODELLING)	2.17	2.17	2.17	2.60	1.80	2.00	1.67	3.00	1.33	1.00	1.67	2.00	2.00	2.00
37	V	110501	ANALOG & DIGITAL COMMUNICATION SYSTEM	2.00	2.40	1.75	1.60	1.33	2.00	0.00	0.00	0.00	1.00	1.00	2.80	2.00	2.00
38	V	100502P	CONTROL SYSTEMS LAB	2.40	2.00	1.00	3.00	3.00	0.00	1.00	0.00	2.00	1.00	1.00	1.60	2.00	2.00
39	V	100506P	POWER ELECTRONICS LAB	1.50	1.20	0.60	1.80	1.80	0.00	0.60	0.00	1.20	0.60	0.60	0.90	0.60	0.60
40	V	100507P	POWER SYSTEMS- I (APPARATUS AND MODELLING) LAB	1.56	1.44	0.96	1.50	1.32	1.20	1.35	1.20	0.84	0.96	1.05	1.20	1.20	0.60
41	V	100510P	SUMMER ENTREPRENEURSHIP - II	1.00	1.00	0.00	1.00	2.33	2.75	0.00	2.67	1.80	1.50	1.60	2.40	1.00	1.00
42	V	110501P	ANALOG & DIGITAL COMMUNICATION SYSTEM LAB	1.73	1.73	0.87	2.60	2.17	1.73	0.00	0.00	0.87	1.73	0.87	1.73	1.73	1.73
43	V	110503P	PROFESSIONAL ELECTIVE LABORATORY-I	2.00	1.00	1.00	1.00	2.67	0.00	0.00	0.00	1.50	1.33	1.50	2.00	1.00	1.67
44	VI	100606	DIGITAL SIGNAL PROCESSING	3.00	3.00	2.00	3.00	1.60	2.00	1.60	0.00	0.00	1.00	1.60	2.60	3.00	3.00
45	VI	100607	INTRODUCTION TO VLSI DESIGN	1.80	2.40	1.80	2.20	2.00	2.00	0.00	0.00	0.00	1.20	2.00	2.80	1.80	2.40
46	VI	100608	PROFESSIONAL SKILL DEVELOPMENT	0.00	1.00	1.00	1.20	1.80	2.20	2.20	2.80	2.60	2.20	1.80	2.60	0.00	0.00
47	VI	100611	COMPUTER ARCHITECHTURE	1.80	2.20	1.75	1.60	1.00	0.00	1.40	0.00	0.00	1.00	1.60	2.80	1.80	1.00
48	VI	100612	DIGITAL CONTROL SYSTEM	2.83	2.83	1.20	2.50	0.00	2.00	1.00	0.00	0.00	1.00	0.00	0.00	2.00	2.00
49	VI	110601	MEASUREMENT AND INSTRUMENTATION	3.00	2.00	2.20	2.80	3.00	0.00	3.00	0.00	0.00	2.20	0.00	2.20	2.00	1.00
50	VI	100606P	DIGITAL SIGNAL PROCESSING LAB	2.40	2.00	1.00	3.00	3.00	0.00	1.00	0.00	2.00	1.00	1.00	1.60	1.40	2.00
51	VI	100607P	INTRODUCTION TO VLSI DESIGN LAB	2.00	2.50	2.00	1.75	1.00	2.00	0.00	0.00	0.00	1.00	1.67	3.00	1.50	1.50
52	VI	100609P	ELECTRONICS DESIGN LABORATORY	0.90	0.96	0.60	1.44	1.44	0.00	0.60	0.00	1.20	0.84	0.60	0.84	0.90	0.90
53	VI	110601P	MEASUREMENT AND INSTRUMENTATION LAB	2.80	2.80	1.80	3.00	3.00	0.00	1.00	0.00	0.00	2.00	0.00	0.00	2.00	1.00

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54	VII	100704	<b>Electromagnetic Waves</b>	3.00	2.17	2.17	1.33	2.00	0.00	1.00	0.00	0.00	1.00	0.00	2.00	2.00	2.00
55	VII	110706	<b>Power System II</b>	2.20	2.00	2.60	2.00	2.60	2.20	2.40	0.00	0.00	1.20	2.00	2.00	1.40	1.40
56	VII	110724	<b>Management Information System [7]</b>	0.87	1.39	1.21	1.73	1.91	2.02	2.17	2.60	1.73	2.08	1.56	1.91	0.00	0.00
57	VII	110727	<b>Object Oriented Programming using C++</b>	2.00	1.00	1.00	1.00	1.60	2.00	1.60	0.00	0.00	1.00	1.00	2.00	1.00	1.00
58	VII	100702P	<b>SUMMER ENTREPRENEURSHIP - III</b>	1.00	1.00	0.00	1.00	2.33	2.75	0.00	2.67	1.80	1.75	1.60	2.40	1.00	1.00
59	VII	100706P	<b>SEMINAR</b>	1.52	1.56	1.39	1.30	1.91	2.17	1.73	1.73	0.87	1.08	1.21	1.52	0.87	0.87
60	VII	100709P	<b>PROJECT - I</b>	1.95	1.95	1.44	1.73	2.60	2.17	0.87	2.02	2.43	2.38	2.25	1.95	1.73	1.73
61	VIII	100819	<b>Satellite Communication</b>	3.00	1.80	2.20	3.00	1.80	2.00	1.75	0.00	0.00	1.00	1.25	2.20	1.40	1.40
62	VIII	110801	<b>Fiber Optic Communications</b>	2.83	3.00	1.33	2.50	0.00	2.00	1.50	2.00	0.00	1.00	1.50	2.00	2.00	2.00
63	VIII	110806	<b>Wind and Solar Energy Systems</b>	1.73	1.91	1.04	1.95	0.00	1.73	2.25	0.00	0.00	0.87	1.30	2.25	1.56	1.73
64	VIII	100801P	<b>PROJECT - II</b>	1.73	1.91	1.04	1.95	0.00	1.73	2.25	0.00	0.00	0.87	1.30	2.25	1.56	1.73