

ELECTRONICS & ELECTRICAL COMMUNICATION DEPARTMENT

BE 2nd year First Semester

S no	Course code	Course name	L	T	P	Total	Credits
1.	PY 201 PY 201H	Physics II	4	0	0	4	4
2.	ENN 205	Operating System	4	0	0	4	4
3.	ENN 204	Power Electronics	4	0	0	4	4
4.	EC 231 EC 231H	Analog Electronics & Circuits	4	0	0	4	4
5.	EC 232	Signals & Systems	4	0	0	4	4
6.	EC 233 EC 233H	Digital Design	4	0	0	4	4
7.	PY 202	Physics Lab	0	0	3	3	2
		Total	24	0	3	27	26

BE 2nd year Second Semester

S no	Course code	Course name	L	T	P	Total	Credits
1.	MA 201 MA 201H	Mathematics III	4	0	0	4	4
2.	CH 201 CH 201H	Chemistry I	4	0	0	4	4
3.	CH 202	Chemistry Lab	0	0	3	3	2
4.	EC 241 EC 241H	Microprocessor & Microcontroller	4	0	0	4	4
5.	EC 242 EC 242H	Communication Engineering & Systems	4	0	0	4	4
6.	EC 243 EC 243H	Digital Signal Processing	4	0	0	4	4
7.	EC 244	Virtual Instrumentation	4	0	0	4	4
8.	EC 245	Departmental Lab I	0	0	3	3	2
		Total	24	0	6	30	28

BE 3rd Year First Semester

S no	Course code	Course name	L	T	P	Total	Credits
1		Humanities II (Elective)	3	0	0	3	3
2.		Elective I	4	0	0	4	4
3.	EC 331 EC 331H	Advanced Microprocessor	4	0	0	4	4
4.	EC 332 EC 332H	Data Communication	4	0	0	4	4
5.	EC 333 EC 333H	VLSI Design	4	0	0	4	4
6.	EC 334 EC 334H	Embedded Systems	4	0	0	4	4
7.	EC 335	Departmental Lab II	0	0	3	3	2
8.	EC 336	Departmental Lab III	0	0	3	3	2
		Total	23	0	6	29	27

BE 3rd Year Second Semester

EC 397	Industrial Training	24
--------	---------------------	----

BE 4th Year First Semester

S no	Course code	Course name	L	T	P	Total	Credits
1.		Open Elective	4	0	0	4	4
2.		Elective II	4	0	0	4	4
3.	EC 431 EC 431H	Computer Architecture	4	0	0	4	4
4.	EC 432 EC 432H	Wireless Communication	4	0	0	4	4
5.	EC 433	Departmental Lab IV	0	0	3	3	2
6.	EC 434	Departmental Lab V	0	0	3	3	2
7.	EC 435	Capstone Project I	0	0	8	8	4
		Total	16	0	14	30	24

BE 4th Year Second Semester

S no	Course code	Course name	L	T	P	Total	Credits
1.		Humanities III	4	0	0	4	4
2.		Elective III	4	0	0	4	4
3.	EC 451	Microwave & Radar	4	0	0	4	4
	EC 451H						
4.	EC 452	Advanced Communication	4	0	0	4	4
	EC 452H						
5.	EC 453	Departmental Lab VI	0	0	3	3	2
6.	EC 454	Departmental Lab VII	0	0	3	3	2
7.	EC 455	Capstone Project II	0	0	8	8	4
		Total	16	0	14	30	24

Humanities II (Electives)

1. **HU 301** **Management Concepts & Practices**
HU 301H
2. **HU 302** **Entrepreneurship**
HU 302H

Humanities III (Electives)

1. **HU 404** **Corporate Finance**
HU 404H
2. **HU 402** **Business Environment & Industrial**
HU 402H **legislation**

Elective I

1. **EC 337** **Neural Networks**
2. **EC 338** **Electronic Measurements &**
Instrumentation
3. **EC 339** **Control Systems**

Elective II

1. **EC 436** **Audio Visual Systems**
2. **EC 437** **Biomedical Electronics**

Elective III

1. **EC 456** **HDL Based System Design**

2. EC 457 Information Theory & Coding

Open Elective

- 1. EC 438 Neural Networks**
- 2. EC 439 Microcontroller and their Applications**

