Gurugram University Scheme of Studies and Examination
Bachelor of Technology (Electronics and Computer Engineering)

SEMESTER-V

S. No.	Category	Course Code	Course Title	Hours per week			Credits	Marks for Sessional	Marks for End Term Examination	Total
				L	T	P				
1	PCC		Operating System	3	0	0	3	30	70	100
2	PCC		Digital Signal processing	3	0	0	3	30	70	100
3	PCC		Computer Network	3	0	0	3	30	70	100
4	PCC		Automata theory and compiler Design	3	0	0	3	30	70	100
5	OEC		Open Elective-I	3	0	0	3	30	70	100
6	PEC		Professional Elective – I	3	0	0	3	30	70	100
7	LC		Operating System Lab	0	0	2	1	50	50	100
8	LC		Computer Network Lab	0	0	2	1	50	50	100
9	LC		Digital Signal processing Lab	0	0	2	1	50	100	100
10	LC		Automata theory and compiler Design Lab	0	0	2	1	50	100	100
11	PT		Practical Training-I	0	0	2	1	30	70	100
Total				28			23	410	690	1100

NOTE:
1. Choose any one from Professional Elective Course – I
2. Choose any one from Open Elective Course – I

PROFESSIONAL ELECTIVE- I (Semester-V)

Sr. No	Code	Subject	Credit
1.		Electronic Measurement and Instrumentation	3
2.		Artificial Intelligence	3
3.		Object Oriented Programming using C++	3
4.		Mobile applications development	3
5.		Parallel Computing	3
6.		Digital System Design	3

Bachelor of Technology (Electronics and Computer Engineering)
SEMESTER-VI

S. No.	Category	Course Code	Course Title	Hours per week			Credits	Marks for Session al	Marks for End Term Examination	Total
				L	T	P				
1	PCC		Control System Engineering	3	0	0	3	30	70	100
2	PCC		Microprocessor & Interfacing	3	0	0	3	30	70	100
3	PCC		Java Programming	3	0	0	3	30	70	100
4	PEC		Professional Elective- II	3	0	0	3	30	70	100
5	PEC		Professional Elective -III	3	0	0	3	30	70	100
6	OEC		Open Elective - II	3	0	0	3	30	70	100
7	LC		Microprocessor & Interfacing LAB	0	0	2	1	50	50	100
8	LC		Java Programming Lab	0	0	2	1	50	50	100
9	LC		Control System Engineering Lab	0	0	2	1	50	50	100
10	PROJ		Project-I	0	0	4	2	50	50	100
11	MC		Economics for Engineers	2	0	0	-	30	70	100*
Total				**30**			**23**	**380**	**620**	**1000**

NOTE:

1. Economics for Engineers: The examination of the regular students will be conducted by the concerned college/Institute internally. Each student will be required to score a minimum of 40% marks to qualify in the paper. The marks will not be included in determining the percentage of marks obtained for the award of a degree.
2. At the end of the 6th semester, each student has to undergo Practical Training of 4/6 weeks in an Industry/ Institute/ Professional Organization/ Research Laboratory/ training center etc. and submit the typed report along with a certificate from the organization & its evaluation shall be carried out in the 7th Semester.
3. Choose any one from each Professional Elective Course – II & III
4. Choose any one from Open Elective Course – II

PROFESSIONAL ELECTIVE- II (Semester-VI)

Sr. No	Code	Subject	Credit
1.		Neural Network	3
2.		Data Mining & Analytics	3
3.		Distributed Database	3
4.		Wireless Sensor Networks	3
5.		Nano electronics	3
6.		High Speed Electronics	3

PROFESSIONAL ELECTIVE- III (Semester-VI)

Sr. No	Code	Subject	Credit
1.		Computer Graphics	3
2.		Ssoftware Testing	3
3.		Biosensors	3
4.		Image Processing	3
5.		Network Security and Cryptography	3