

M.D. UNIVERSITY, ROHTAK

(NAAC Accredited 'A+' Grade)

SCHEME OF STUDIES AND EXAMINATION

B.TECH (Electronics & Computer Engineering)

SEMESTER 5th AND 6th

Scheme effective from 2020-21

COURSE CODE AND DEFINITIONS:

Course Code	Definitions
L	Lecture
T	Tutorial
P	Practical
BSC	Basic Science Courses
ESC	Engineering Science Courses
HSMC	Humanities and Social Sciences including Management courses
PCC	Professional Core Courses
LC	Laboratory Courses
MC	Mandatory Courses
PT	Practical Training
S	Seminar
TH	Theory
Pr	Practical

General Notes:

1. Mandatory courses are non credit courses in which students will be required passing marks in internal assessments.
2. Students will be allowed to use non programmable scientific calculator. However, sharing of calculator will not be permitted in the examination.
3. Students will be permitted to opt for any elective course run by the department. However, the department shall offer those electives for which they have expertise. The choice of the students for any elective shall not be binding for the department to offer, if the department does not have expertise. To run the elective course a minimum of 1/3rd students of the class should opt for it.

Scheme of Studies and Examination
B.TECH (Electronics & Computer Engineering) – 5th Semester
w.e.f. 2020-21

Sr. No.	Category	Course Code	Course Title	Hours per week			Total Contact Hrs. per week	Credit	Examination Schedule (Marks)				Duration of Exam (Hours)
				L	T	P			Internal Assessment	External Examination	Practical	Total	
1	Engineering Science Course	ESC-CSE301G	Microprocessor (Common with CSE)	3	0	0	3	3	25	75		100	3
2	Professional Core Course	PCC-CSE303G	Computer Networks (Common with CSE)	3	0	0	3	3	25	75		100	3
3	Professional Core Course	PCC-ECE307G	Digital Signal Processing (Common with ECE)	3	0	0	3	3	25	75		100	3
4	Professional Core Course	PCC-CSE307G	Design & Analysis of Algorithms (Common with CSE)	3	0	0	3	3	25	75		100	3
5	Professional Elective Course	Refer to Annexure- I	Elective –I	3	0	0	3	3	25	75		100	3
6	Professional Core Course	PCC-ECSE301G	Soft Computing	3	0	0	3	3	25	75		100	3
7	Engineering Science Course	LC-ESC-317G	Microprocessor Lab (Common with CSE)	0	0	2	2	1	25	-	25	50	3
8	Professional Core Course	LC-CSE323G	Computer Networks Lab (Common with CSE)	0	0	3	3	1.5	25		25	50	3
9	Professional Core Course	LC-ECE325G	Digital Signal Processing Lab (Common with ECE)	0	0	2	2	1	25		25	50	3
10	Mandatory Courses	MC-317G	Constitution of India	2	0	0							
11	Training	PT-ECSE327G	Practical Training	-	-	-	-	-	-	-	* Refer Note 1		
TOTAL CREDIT								22				750	

Note:

- The evaluation of Practical Training-I will be based on seminar, viva-voce, report submitted by the students. According to performance, the students are awarded grades A, B, C, F. A student who is awarded 'F' grade is required to repeat Practical Training.

Excellent: A; Good : B; Satisfactory: C; Not Satisfactory: F.

Scheme of Studies and Examination
B.TECH (Electronics & Computer Engineering) – 6th Semester
w.e.f. 2020-21

Sr. No.	Category	Course Code	Course Title	Hours per week			Total Contact Hrs. per week	Credit	Examination Schedule (Marks)				Duration of Exam (Hours)
				L	T	P			Internal Assessment	External Examination	Practical	Total	
1	Humanities/ Basic Science	HUM-ECE306G	Engineering Ethics (Common with ECE)	3	0	0	3	3	25	75		100	3
2	Professional Elective Course	Refer to Annexure II	Elective –II Common with CSE	3	0	0	3	3	25	75		100	3
3	Professional Core Course	PCC-ECE309G	Nano Electronics	3	0	0	3	3	25	75		100	3
4	Professional Elective Course	Refer to Annexure III	Elective-III Common with CSE	3	0	0	3	3	25	75		100	3
5	Engineering Science Course	ESC-CSE308G	Mobile and Wireless Communication (Common with CSE)	3	0	0	3	3	25	75		100	3
6	Professional Core Course	PCC-ECE302G	Control Systems (Common with ECE)	3	0	0	3	3	25	75		100	3
7	Project	PROJ-CSE322G	Project-I	0	0	4	4	2	25		25	50	3
8	Professional Core Course	LC-ECE324G	Control System Lab (Common with ECE)	0	0	3	3	1.5	25		25	50	3
TOTAL CREDIT								21.5				700	

Note:

Each student has to undergo practical training of 6 weeks during summer vacation after 6th semester and its evaluation shall be carried out in 7th Semester.

Annexure I

Elective –I (Professional Elective Course)

1. PEC-CSE-311G:Software Engineering
2. PEC-CSE-313G : System Programming and System Administration
3. PEC-CSE-315G :Digital Image Processing

Annexure II

Elective –II (Professional Elective Course)

1. PEC-CSE-310G:Advanced Database Management System
2. PEC-CSE-312G :Mobile Application Development
3. PEC-CSE-314G:Computer Graphics
4. PEC-CSE-330G :Communication Engineering

Annexure III

Elective –III (Professional Elective Course)

1. PEC-CSE-316G: Distributed System
2. PEC-CSE-318G :Information Technology & Industry Business Skills
3. PEC-CSE-320G : Data Science
4. PEC-CSE-332G :VHDL and Digital Design