

M.D. UNIVERSITY, ROHTAK
SCHEME OF STUDIES AND EXAMINATION
Bachelor of Technology
Scheme effective from 2018-19
SEMESTER 1ST (COMMON FOR ALL BRANCHES)

Scheme

①

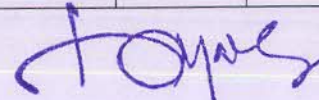
→ Polytech
→ ITI → ECH
→ TC → ECH
→ IAE → ITI
→ MF → BBA

Sr. No.	Category	Course Notation	Course Code	Course Title	Hours per week			Total Contact hrs/week	Credit	Examination Schedule (Marks)				Duration of Exam (Hours)
					L	T	P			Mark of Class work	Theory	Practical	Total	
1	Basic Science Course	A	Refer to Table 1	Physics-1	3	1	0	4	4	25	75		100	3
		B	BSC-CH-101G	Chemistry-1	3	1	0	4	4	25	75		100	3
2	Basic Science Course	C	Refer to Table 2	Mathematics-I	3	1	0	4	4	25	75		100	3
3	Engineering Science Course	A	ESC-EE-101G	Basic Electrical Engineering	3	1	0	4	4	25	75		100	3
	Engineering Science Course	B	Refer to Table 3	Programming for Problem Solving	3	0	0	3	3	25	75		100	3
4	Engineering Science Course	A	ESC-ME-101G	Engineering Graphics & Design	1	0	4	5	3	25		75	100	3
		B	ESC-ME-102G	Workshop Technology	1	0	0	1	1	25	75		100	3
5	Basic Science Course	A	Refer to Table 1	Physics Lab-1	0	0	3	3	1.5	25		25	50	3
		B	BSC-CH-102G	Chemistry Lab-1	0	0	3	3	1.5	25		25	50	3
6	Engineering Science Course	A	ESC-EE-102G	Basic Electrical Engineering Lab	0	0	2	2	1	25		25	50	3



[Signature]
Director

		B	Refer to Table 3	Programming in C Lab	0	0	4	4	2	25		25	50	3
7	Engineering Science Course	B	ESC-ME-103G	Manufacturing Practices Lab	0	0	4	4	2	25		25	50	3
8	Humanities and Social science including Management courses	C	HSMC-ENG-101G	English	2	0	0	2	2	25	75		100	3
TOTAL CREDIT									19.5	175/200	300/375	125/75	600/650	


 Director
 The Technological Institute of Textile & Sciences
 BHIWANI



M.D. UNIVERSITY
SCHEME OF STUDIES AND EXAMINATION
Bachelor of Technology
Scheme effective from 2018-19
SEMESTER 2nd (COMMON FOR ALL BRANCHES)

Sr. No.	Category	Course Notation	Course Code	Course Title	Hours per week			Total Contact hrs/week	Credit	Examination Schedule (Marks)				Duration of Exam (Hours)
					L	T	P			Mark of Class work	Theory	Practical	Total	
1	Basic Science Course	B	Refer to Table 1	Physics-I	3	1	0	4	4	25	75		100	3
		A	BSC-CH-101G	Chemistry-1	3	1	0	4	4	25	75		100	3
2	Basic Science Course	C	Refer to Table 2	Mathematics-II	3	1	0	4	4	25	75		100	3
3	Engineering Science Course	B	ESC-EE-101G	Basic Electrical Engineering	3	1	0	4	4	25	75		100	3
	Engineering Science Course	A	Refer to Table 3	Programming for Problem Solving	3	0	0	3	3	25	75		100	3
4	Engineering Science Course	B	ESC-ME-101G	Engineering Graphics & Design	1	0	4	5	3	25		75	100	3
		A	ESC-ME-102G	Workshop Technology	1	0	0	1	1	25	75		100	3
6	Basic Science Course	B	Refer to Table 1	Physics Lab-1	0	0	3	3	1.5	25		25	50	3
		A	BSC-CH-102G	Chemistry Lab-1	0	0	3	3	1.5	25		25	50	3
7	Engineering Science Course	B	ESC-EE-102G	Basic Electrical Engineering Lab	0	0	2	2	1	25		25	50	3



Director
Director
The Technological Institute of Textile & Sciences
 BHIVANI

		A	Refer to Table 3	Programming in C Lab	0	0	4	4	2	25		25	50	3
8	Humanities and Social science including Management courses	C	HSMC-ENG-102G	Language Lab	0	0	2	2	1	25		25	50	3
9	Engineering Science Course	A	ESC-ME-103G	Manufacturing Practices Lab	0	0	4	4	2	25		25	50	3
TOTAL CREDIT									18.5	200/175	225/300	175/75	600/500	

Note: Examiner will set nine questions in total. Question one will be compulsory. Question one will have 10 parts of 2.5 marks from all units and remaining eight questions of 12.5 marks each to be set by taking two questions from each unit. The students have to attempt five questions in total, first being compulsory and selecting one from each Unit.

Important Notes:

- Significance of the Course Notations used in this scheme
C = These courses are common to both the groups (Group-A and Group -B).
A = Other compulsory courses for Group-A.
B = Other compulsory courses for Group-B

[Handwritten signature]

[Handwritten signature]



[Handwritten signature]
Director
The Technological Institute of Textile & Sciences
BHIVANI

IT

B.Tech. (Computer Science and Engineering)
Common with B.Tech. (Information Technology) &
B.Tech. (Computer Science and Information Technology)
Scheme of Studies/Examination w.e.f. 2019-20
Semester-3

Sr. No.	Course Code	Course Title	Hours per week			Total Contact Hrs. per week	Credit	Examination Schedule (Marks)				Duration of Exam (Hours)
			L	T	P			Mark of Class work	Theory	Practical	Total	
1	PCC-CSE-201G	Database Management Systems	3	0	0	3	3	25	75		100	3
2	PCC-CSE-203G	Data Structures & Algorithms	3	0	0	3	3	25	75		100	3
3	ESC-CSE-205G	Digital Electronics	3	0	0	3	3	25	75		100	3
4	PCC-CSE-207G	Python Programming	3	0	0	3	3	25	75		100	3
5	BSC-MATH-203G	Mathematics - III (Multivariable Calculus and Differential Equations)	2	0	0	2	2	25	75		100	3
6	HSMC-01G	Economics for Engineers	3	0	0	3	3	25	75		100	3
7	LC-CSE-209G	Database Management Systems LAB	0	0	3	3	1.5	25		25	50	3
8	LC-ESC-211G	Digital Electronics LAB	0	0	3	3	1.5	25		25	50	3
9	LC-CSE-213G	Data Structures & Algorithms LAB Using C	0	0	3	3	1.5	25		25	50	3
10	LC-CSE-215G	Python Programming LAB	0	0	3	3	1.5	25		25	50	3
Total							23	800				

[Signature]



[Signature]
Director
The Technological Institute of Textile & Sciences
BHIWANI

B.Tech. (Computer Science and Engineering)
Common with B.Tech. (Information Technology) &
B.Tech. (Computer Science and Information Technology)
Scheme of Studies/Examination w.e.f. 2019-20
Semester-4

Sr. No.	Course Code	Course Title	Hours per week			Total Contact Hrs. per week	Credit	Examination Schedule (Marks)				Duration of Exam (Hours)
			L	T	P			Mark of Class work	Theory	Practical	Total	
1	PCC-CSE-202G	Discrete Mathematics	3	1	0	3	4	25	75		100	3
2	PCC-CSE-204G	Computer Organization & Architecture	3	0	0	3	3	25	75		100	3
3	PCC-CSE-206G	Operating System	3	0	0	3	3	25	75		100	3
4	PCC-CSE-208G	Object Oriented Programming	3	0	0	3	3	25	75		100	3
5	HSMC-02G	Organizational Behaviour	3	0	0	3	3	25	75		100	3
6	*MC-106G	Environmental Sciences	3	0	1	4	0	-	-	-	-	3
7	PCC-CSE-210G	Web Technologies	3	0	0	3	3	25	75		100	3
8	LC-CSE-212G	Operating System LAB	0	0	3	3	1.5	25		25	50	3
9	LC-CSE-214G	Object Oriented Programming LAB Using C++	0	0	3	3	1.5	25		25	50	3
10.	LC-CSE-216G	Web Technologies Lab	0	0	2	2	1	25		25	50	3
Total							23				750	

*MC-106G is a mandatory non-credit course in which the students will be required passing marks in theory.

NOTE: At the end of 4th semester each student has to undergo Practical Training of 4/6 weeks in an Industry/ Institute/ Professional Organization/ Research Laboratory/ training centre etc. and submit typed report along with a certificate from the organization & its evaluation shall be carried out in the 5th Semester.



Director
The Technological Institute of Textile & Sciences
BHIWANI

Scheme of Studies and Examination
B.TECH (Information Technology) – 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-IT-301G	Signals and Systems	3	0	0	3	3	25	75		100	3
2	Professional Core Course	PCC-IT-303G	Web Technology	3	0	0	3	3	25	75		100	3
3	Professional Core Course	PCC-CSE-307G	Design & Analysis of Algorithms (Common with CSE)	3	0	0	3	3	25	75		100	3
4	Professional Core Course	PCC-CSE-309G	Programming in Java (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	LC-IT-317G	Web Technology Lab	0	0	3	3	1.5	25		25	50	3
7	Professional Core Course	LC-IT-319G	Design & Analysis of Algorithms Lab.	0	0	3	3	1.5	25		25	50	3
8	Professional Core Course	LC-IT-321G	IT Workshop (MATLAB/SCILAB)	0	0	3	3	2	25		25	50	3
9	Professional Core Course	LC-CSE327G	Programming in Java Lab (Common with CSE)	0	0	3	3	1.5	25		25	50	3
10	Training	PT-IT329G	Practical Training – 1	-	-	-	-	-	-	-	-	* Refer Note 1	
Total Credits/Marks								21.5				700	

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.



Director
The Technological Institute of Textile & Sciences
BHIWANI

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

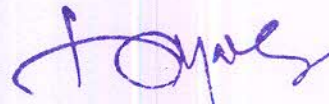
Elective –II (Professional Elective Course)

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

Annexure III

Elective –III (Professional Elective Course)

1. PEC-IT-302G: Information Retrieval
2. PEC-IT-304G : Soft Computing
3. PEC-IT-306G : Internet of things



Director

The Technological Institute of Textile & Sciences
BHIWANI



B.Tech (Computer Science and Information Technology)
common with B.Tech (Information Technology)
Scheme of Studies/Examination
Semester 7

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	Theory	Practical	Total	
1	Professional Core Course	PCC-IT-401G	Neural Networks	3	0	0	3	3	25	75		100	3
2	Professional Elective Course	Refer to Annexure IV	Elective-IV	3	0	0	3	3	25	75		100	3
3	Professional Elective Course	Refer to Annexure V	Elective-V	3	0	0	3	3	25	75		100	3
4	Open Elective Course	Refer to Annexure OEC-I	Open Elective-I	3	0	0	3	3	25	75		100	3
5	Professional Core Course	LC-IT-419 G	Neural Networks Lab	0	0	2	2	1	25	-	25	50	3
6	Project	PROJ-IT-422G	Project-II	0	0	6	6	3	50	-	50	100	3
7	Professional Core Course	PT-IT-423G	Practical Training-II	0	0	0	1	-	-	-	-	-	-
TOTAL CREDIT								16	175	300	75	550	

NOTE:

1. Practical Training II: The evaluation of Practical Training-II 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.

2. Choose one subject from each Elective -IV, Elective -V and open Elective -I. List of elective subjects is attached as annexures.



[Signature]
Director
The Technological Institute of Textile & Sciences
BHIWANI

B.Tech (Computer Science and Information Technology)
common with B.Tech (Information Technology)
Scheme of Studies/Examination
Semester 8

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	Theory	Practical	Total	
1	Professional Core Course	PCC-IT-402G	R Programming	3	0	0	3	3	25	75		100	3
2	Professional Core Course	PCC-IT-403G	Big Data Analysis	3	0	0	3	3	25	75		100	3
3	Open Elective Course	Refer to Annexure OEC-II	Open Elective-II	3	0	0	3	3	25	75		100	3
4	Professional Core Course	LC-IT-420G	R Programming Lab	3	0	0	3	3	25	75		100	3
5	Professional Core Course	LC-IT-4212G	Big Data Analysis Lab	0	0	2	2	1	25		25	50	3
6	Project	PROJ-IT-424G	Project-III	0	0	8	4	4	50		50	100	3
TOTAL CREDIT								17	175	300	75	550	

NOTE:

Choose one subject from open Elective – II. List of elective subjects is attached as annexures.

[Handwritten Signature]

Director

The Technological Institute of Textile & Sciences
 BHIWANI

[Handwritten Signature]

[Handwritten Signature]



Annexure IV

1. PEC-IT-404G: High Speed Networks
2. PEC-IT-405G: Advanced Computer Architecture
3. PEC-IT-406G: Soft Computing
4. PEC-IT-407G: Software Project Management

Annexure V

1. PEC-IT-408G: Cloud Computing
2. PEC-IT-409G: Analytical Instrumentation
3. PEC-IT-410G: Cyber Security Threats

Annexure OEC-I

1. OEC-IT-411G: Robotics
2. OEC-IT-414G: Disaster Management
3. HSMC-418G: Human Resource Management
4. OEC-IT-415G: Game Theory in Engineering Application

Annexure OEC-II

1. PEC-CS-412G: Cyber Law & Ethics
2. OEC-ECE-413G: Wireless Communication & Adhoc Network
3. OEC-CS-416G: Renewable Energy System
4. OEC-CS- 417G: Knowledge Management
5. OEC-CS-418G: Managing Innovation & Entrepreneurship


Director
The Technological Institute of Textile & Sciences
BHIWANI

