



# GUJARAT TECHNOLOGICAL UNIVERSITY

Ref.: GTU/BE/W20/ ૪૨૦

Date: 10/02/2021  
11

## CIRCULAR

As per Teaching scheme of Bachelor of Engineering (w.e.f July 2018) from Academic Section all bachelor of engineering (BE) colleges are hereby informed that the **selection of optional subjects in First Semester of BE (For all branches)** is to be done by all colleges between **11/02/2021 and 15/02/2021**. As per teaching Scheme

1. **Induction Program (3110017) is Compulsory Subject for Group 1 and Group 2 in semester 1.**
2. **Mathematics -I and Mathematics -II must be offered in semester 1 and 2 respectively**
3. **English must be offered in semester 2.**
4. Remaining subjects can be offered in either of the semesters.

The link for on-line optional subject selection is <https://gtu.iweb.online/Login.aspx>

Attachments:

1. Drafted teaching scheme of Bachelor of Engineering (w.e.f July 2018)
2. Branch wise Selection of physic and chemistry dated 6<sup>th</sup> June 2018
3. For English refer to circular GTU/Academic/2019/4857 dated 04<sup>th</sup> June 2019

  
Registrar 10/2/21

**Winners of: ICT Enabled University Award E-India - 2009 Manthan Award - 2009**

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# GUJARAT TECHNOLOGICAL UNIVERSITY

(Established by Government of Gujarat under Gujarat Act No.: 20 of 2007)

## ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી

(ગુજરાત સરકારના ગુજરાત અધિનિયમ ક્રમાંક : ૨૦/૨૦૦૭ દ્વારા સ્થાપિત)

Date 22<sup>nd</sup> June 2018

### Draft Teaching scheme of Bachelor of Engineering (w.e.f July 2018)

**Group 1: Aeronautical, Automobile, Biotechnology, Chemical, Civil, Environmental, food Processing and Technology, Industrial, Mechanical, Mechatronics, Metallurgy, Mining, Plastic, Rubber, Textile Technology, Manufacturing, Production, Environment Science & Technology, Chemical Technology, Nano Technology, Civil & Infrastructure Engineering, Robotics & Automation**

SEMESTER I							
Sr no	category	course title	Hours per week			Total Contact Hours	Credits
			lecture	tutorial	practical		
1	Mandatory Course	Induction Program	3 Weeks				0
2	Basic Science Course	Mathematics –I	3	2	0	5	5
3	Basic Science Course	Physics/ Chemistry	3	0	2	5	4
4	Engg Science Course	Basic Electrical Engineering	3	0	2	5	4
5	Engg Science Course	Engineering Graphics & Design	2	0	4	6	4
6	Engg Science Course	Basic Civil Engineering	3	0	2	5	4
						26	21

SEMESTER II							
Sr no	category	course title	Hours per week			Total Contact Hours	Credits
			lecture	tutorial	practical		
1	Basic Science Course	Mathematics –2	3	2	0	5	5
2	Engg Science Course	Programming for Problem Solving	3	0	2	5	4
3	Engg Science Course	Workshop/ Manufacturing Practices	0	0	4	4	2
4	Engg Science Course	Basic Mechanical Engineering	3	0	2	5	4
5	Humanities and Social Sciences including Management courses	English	2	0	2	4	3
6	Mandatory course	Environmental Sciences	2	2	0	4	0
						27	18

Winners of : ICT Enabled University Award E-India - 2009 ❖ Manthan Award - 2009 ❖ GESIA Award - 2011  
❖ Digital Learning WES - 2011 Award ❖ AIMS International Innovative University Award - 2013

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**(Established under Gujarat Act No. 20 of 2007)**  
**ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી**  
**(ગુજરાત અધિનિયમ ક્રમાંક: ૨૦/૨૦૦૭ દ્વારા સ્થાપિત)**

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**Ref: GTU/Academic/2019/4857**

**Date: 4<sup>th</sup> June 2019**

**Circular**

**Ref: Approved minutes of meeting of Academic council meeting dated 26<sup>th</sup> April 2019 (Agenda No: 10)**

**English in Semester II**

Gujarat Technological University has implemented new syllabus for the students of Degree Engineering from the academic year 2018-19.

As per the teaching scheme of 1<sup>st</sup> year of Bachelor of Engineering English was offered in any semester ie Sem I or Sem II. From the academic year 2019-20 it is compulsory to offer English in Semester II.

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**I/c Registrar**

**Branchwise Selection of Physics and Chemistry for 1st Year of Bachelor of Engineering**

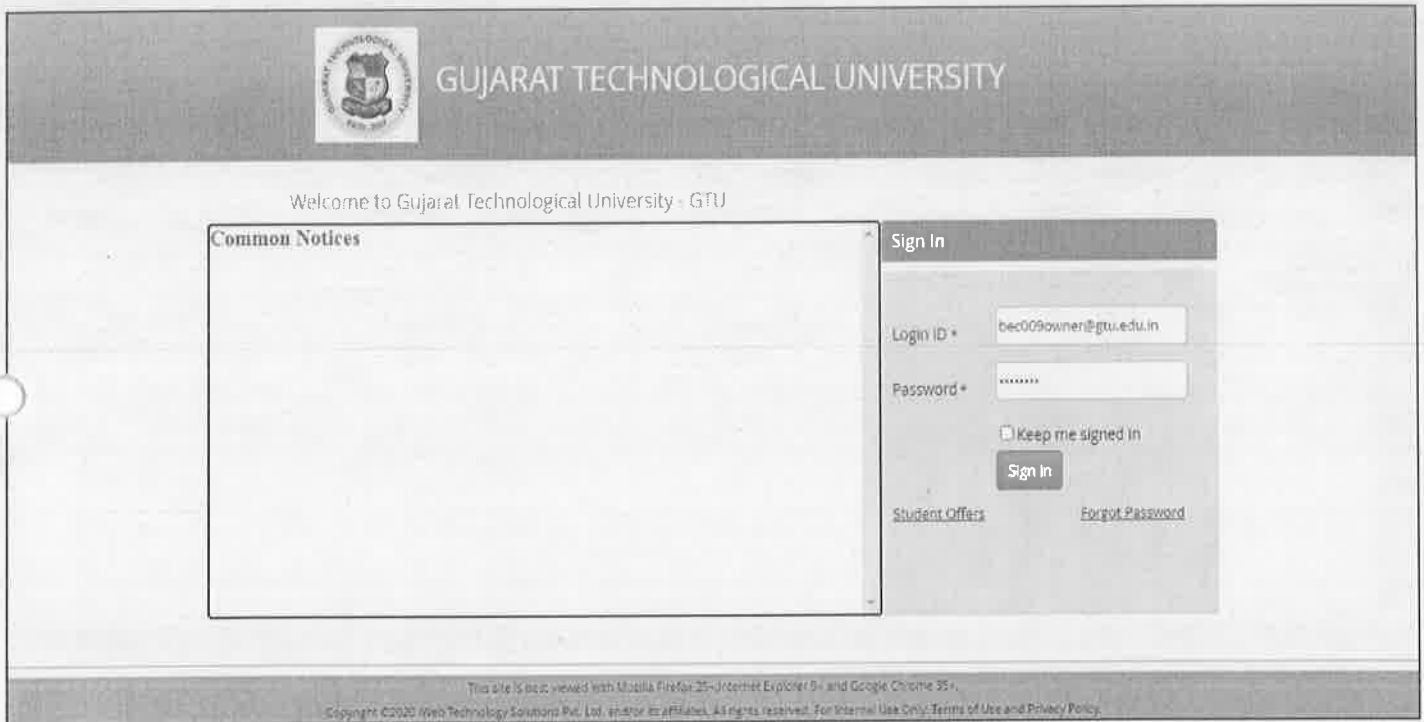
Sr No	Branch Code	Branch Name	Which Subject
1	1	Aeronautical Engineering	Physics
2	2	Automobile Engineering	Physics
3	3	Bio Medical Engineering	Physics
4	4	Bio- Technology	Chemistry
5	5	Chemical Engineering	Chemistry
6	6	Civil Engineering	Physics
7	7	Computer Engineering	Physics
8	8	Electrical & Electronics Engineering	Physics
9	9	Electrical Engineering	Physics
10	10	Electronics Engineering	Physics
11	11	Electronics & Communication Engineering	Physics
12	13	Environmental Engineering	Chemistry
13	14	Food Processing & Technology	Chemistry
14	15	Industrial Engineering	Physics
15	16	Information Technology	Physics
16	17	Instrumentation & Control Engineering	Physics
17	19	Mechanical Engineering	Physics
18	20	Mechatronics Engineering	Physics
19	21	Metallurgy Engineering	Chemistry
20	22	Mining Engineering	Chemistry
21	23	Plastic Technology	Chemistry
22	24	Power Electronics	Physics
23	25	Production Engineering	Physics
24	26	Rubber Technology	Chemistry
26	29	Textile Technology	Chemistry
27	32	Information & Communication Technology	Physics
28	34	Manufacturing Engineering	Physics
29	35	Environment Science & Technology	Chemistry
29	36	Chemical Technology	Chemistry
30	39	Nano Technology	Physics
31	40	Civil & Infrastructure Engineering	Physics
32	41	Robotics & Automation	Physics

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I/C Registrar

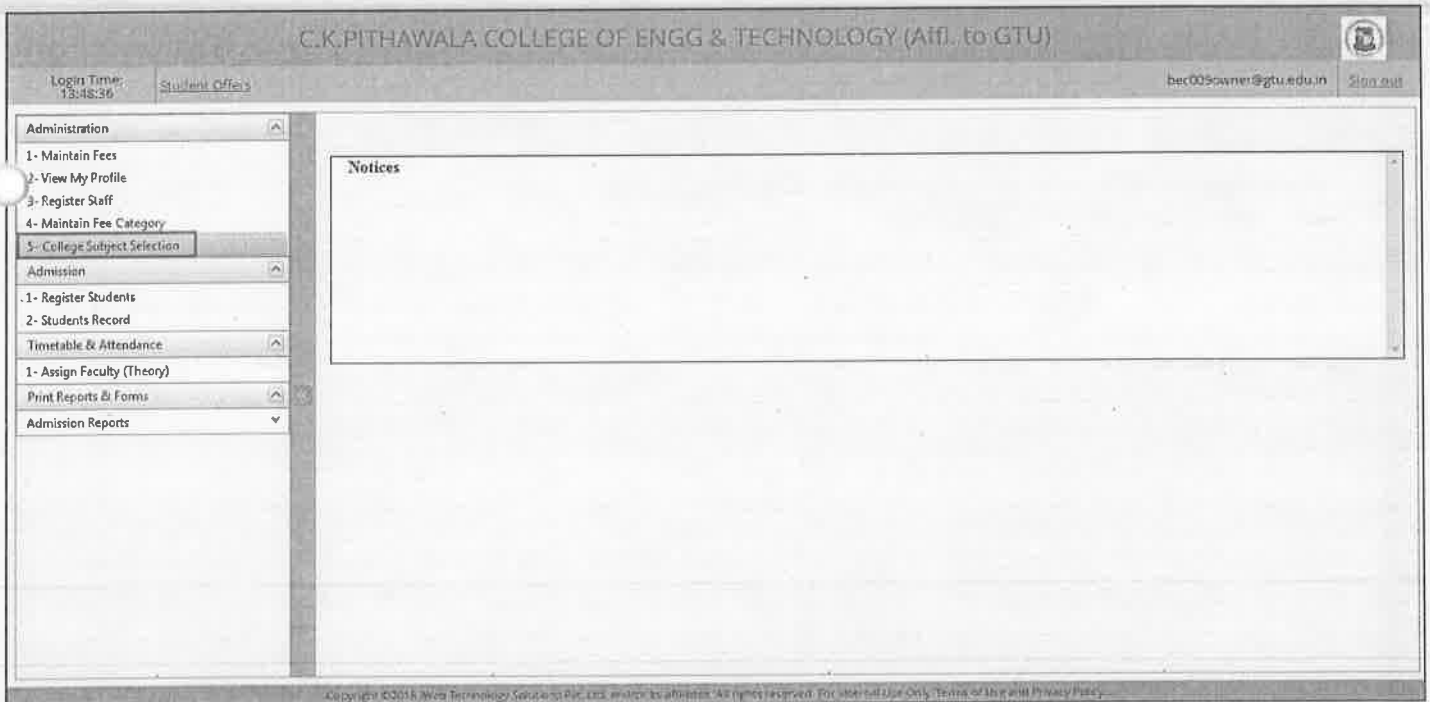
### COLLEGE SUBJECT SELECTION

**Purpose:** Using this screen, At college level, college can map the subject to an appropriate program & semester.

Login with **College Login** credentials & click on sign in button.



Select **Administration-> College Subject Selection**. Click on **College Subject Selection** menu.



4. Then all the mapped subject under selected program & semester via university will be displayed as shown below.

C.K.PITHAWALA COLLEGE OF ENGG & TECHNOLOGY (Affl. to GTU)

Login Time: 13:51:18 Student Offers bec009owner@gtu.edu.in Sign out

### College Subject Selection

10 Items

Search:

Subject Code:  Subject:

Academic Year:  Program\*:  Semester\*:

Discipline:

Select Subjects To Allot: Allot To Program\*:  Allot To Semester\*:  **Note: First year must have 12 subjects including mandatory and optional**

Page 1 / 100 Items/Page

Code	Subject Name	Subject Category	Semester	Th. Hr.	Pr. Hr.	T. Hr.	Total Hr.	Subject Type	CGPA Include Flag
110001	Chemistry		Semester I	3	2	0	5	Compulsory	Yes
110002	Communication Skills		Semester I	1	2	0	3	Compulsory	Yes
110003	Computer Programming and Utilization		Semester I	2	4	0	6	Optional	Yes
110004	Elements of Civil Engineering		Semester I	4	2	0	6	Optional	Yes
110005	Elements of Electrical Engineering		Semester I	4	2	0	6	Optional	Yes

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C.K.PITHAWALA COLLEGE OF ENGG & TECHNOLOGY (Affl. to GTU)

Login Time: 13:51:18 Student Offers bec009owner@gtu.edu.in Sign out

### College Subject Selection

2 Items

Search:

Subject Code:  Subject:

Academic Year:  Program\*:  Semester\*:

Discipline:

Select Subjects To Allot: Allot To Program\*:  Allot To Semester\*:  **Note: First year must have 12 subjects including mandatory and optional**

Page 1 / 100 Items/Page

Code	Subject Name	Subject Category	Semester	Th. Hr.	Pr. Hr.	T. Hr.	Total Hr.	Subject Type	CGPA Include Flag
110013	Engineering Graphics		Semester II	2	4	0	6	Compulsory	Yes
110014	Calculus		Semester II	3	0	2	5	Compulsory	Yes

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9. After clicking on OK button, 'Subjects submitted successfully' message will be displayed.

C.K.PITHAWALA COLLEGE OF ENGG & TECHNOLOGY (Affl. to GTU)

Login Time: 13:51:18 Student Offers bec005owner@gtu.edu.in Sign out

### College Subject Selection

7 Items

Search: Subject Code: Enter Subject Code Subject: Enter Subject  
 Academic Year: 2020-21 Program: BE (CIVIL ENGINEERING)/ Semester: Semester I  
 Discipline: Select Search Reset

Select Subjects To Allot: Allot To Program: BE (CIVIL ENGINEERING)/01-06 Allot To Semester: Semester I Note: First year must have 12 subjects including mandatory and optional

Page 1 Go to 1 / 1 100 Items/Page

Subjects submitted successfully

Code	Subject Name	Subject Category	Semester	Th. Hr.	Pr. Hr.	T. Hr.	Total Hr.	Subject Type	CGPA Include Flag
110001	Chemistry		Semester I	3	2	0	5	Compulsory	Yes
110002	Communication Skills		Semester I	1	2	0	3	Compulsory	Yes
110003	Computer Programming and Utilization		Semester I	2	4	0	6	Optional	Yes
110004	Elements of Civil Engineering		Semester I	4	2	0	6	Optional	Yes
110005	Elements of Electrical Engineering		Semester I	4	2	0	6	Optional	Yes

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10. Selected subject will be allotted under semester 1 & remaining subject will auto submitted under semester 2.

C.K.PITHAWALA COLLEGE OF ENGG & TECHNOLOGY (Affl. to GTU)

Login Time: 13:51:18 Student Offers bec005owner@gtu.edu.in Sign out

### College Subject Selection

5 Items

Search: Subject Code: Enter Subject Code Subject: Enter Subject  
 Academic Year: 2020-21 Program: BE (CIVIL ENGINEERING)/ Semester: Semester II  
 Discipline: Select Search Reset

Select Subjects To Allot: Allot To Program: BE (CIVIL ENGINEERING)/01-06 Allot To Semester: Select Note: First year must have 12 subjects including mandatory and optional

Page 1 Go to 1 / 1 100 Items/Page

Code	Subject Name	Subject Category	Semester	Th. Hr.	Pr. Hr.	T. Hr.	Total Hr.	Subject Type	CGPA Include Flag
110013	Engineering Graphics		Semester II	2	4	0	6	Compulsory	Yes
110014	Calculus		Semester II	3	0	2	5	Compulsory	Yes
110010	Mechanics of Solids		Semester II	3	2	0	5	Optional	Yes
110011	Physics		Semester II	3	2	0	5	Optional	Yes
110012	Workshop		Semester II	0	4	0	4	Optional	Yes

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