First Year B.Tech. in Civil Engineering with Minor in [****]

Academic Evaluation Scheme/Credit System

Year: 2024-2025

Regulation 23 (R23)

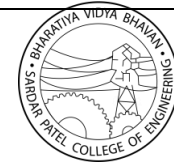| Sr No	Course Name	Code	Course Plan per Week (Hrs)			Credits	In semester Evaluation (Points)			End Semester Evaluation (Points)		End semester weightage (%)	Total Points
			L	P	T		T-I	T-II	IE	Points	Time (Hrs)		
Theory Courses													
1	Differential Calculus & Complex Numbers (DCCN)	BS-BTC101	2	0	1	3	15	15	20	100	3	50%	100
2	Engineering Chemistry	BS-BTC102	2	0	0	2	15	15	20	100	3	50%	100
3	Basic Electrical and Electronics Engineering (BEEE)	ES-BTC101	2	0	0	2	15	15	20	100	3	50%	100
4	Engineering Mechanics - I	ES-BTC102	2	0	0	2	15	15	20	100	3	50%	100
5	Biology for Engineers	BS-BTC103	1	0	0	1	15	15	20	50	2	100%	100
Laboratory Courses													
6	Engineering Chemistry Lab.	BS-BTC151	0	2	0	1	-	-	25	25	-	100%	50
7	Engineering Mechanics Lab.	ES-BTC152	0	2	0	1	-	-	25	25	-	100%	50
8	Basic Electrical and Electronics Engineering Lab.	ES-BTC153	0	2	0	1	-	-	25	25	-	100%	50
Vocational and Skill Enhancement Courses													
9	Design Thinking and Innovation	SE-BTC101	3	0	0	3	15	15	20	50	-	100%	100
10	Programming for Problem Solving	SE-BTC102	0	4	0	2	15	15	20	50	-	100%	100
11	Workshop Practice - I	VS-BTC101	0	2	0	1	-	-	25	25	-	100%	50
Value Education Courses													
12	Ethics, Values and Life Skills	VE-BTC101	2	0	0	2	15	15	20	50	-	100%	100
Co-curricular Activities													
13	Co-curricular course/ activity	CC-BTC101				1	$$$$						50
	TOTAL		**14**	**12**	**1**	**22**							1050

Scheme for F.Y.B.Tech. In Civil Engineering with Minor I [****], (Semester - I) R23
Academic Year 2024-25

			Course Plan per Week (Hrs)			Credits	In semester Evaluation (Points)			End Semester Evaluation (Points)		End semester weightage (%)	Total Points
Sr. No.	Course Name	Code	L	P	T		T-I	T-II	IE	Points	Time (Hrs)		
Scheme for F.Y.B.Tech. In Civil Engineering with Minor in [****], (Semester - II) R23 Academic Year 2024-25													
Theory Courses													
1	Integral Calculus and Differential Equations (ICDN)	BS-BTC201	2	0	1	3	15	15	20	100	3	50%	100
2	Engineering Physics	BS-BTC202	2	0	0	2	15	15	20	100	3	50%	100
3	Engineering Graphics	ES-BTC201	2	0	0	2	15	15	20	100	3	50%	100
4	Engineering Mechanics – II	ES-BTC202	2	0	0	2	15	15	20	100	3	50%	100
5	Building Material and Construction	PC-BTC201	2	0	1	3	15	15	20	100	3	50%	100
Laboratory Courses													
6	Engineering Physics Lab.	BS-BTC251	0	2	0	1	-	-	25	25	-	100%	50
7	Engineering Graphics Lab.	BS-BTC252	0	2	0	1	-	-	25	25	-	100%	50
8	Material Testing Lab.	PC-BTC253	0	2	0	1	-	-	25	25	-	100%	50
Vocational and Skill Enhancement													
9	Workshop Practice –II	VS-BTC201	0	2	0	1	-	-	25	25	-	100%	50
Ability Enhancement Courses													
10	Communication Skills	AE-BTC201	2	0	1	3	15	15	20	100	3	50%	100
Indian Knowledge System													
11	Indian traditional Knowledge	IK-BTC201	2	0	0	2	15	15	20	50	2	100%	100
Co-curricular Activity													
12	Co-curricular course/activity	CC-BTC201				1	$$$$						100
	TOTAL		**14**	**8**	**3**	**22**							1000

Evaluation for R23

1. T1, T2: The courses under the category "Theory courses" and "Ability Enhancement Courses". the evaluation is based on Test of 15 points each for one hour duration. Tentatively the first two modules of the course content will be covered in T1 and third and fourth modules of the course content will be covered in T2. Any change in the same will be informed by the course instructor.

   The courses under the category "Skill Enhancement", "Value Education" and Indian Knowledge system", the evaluation is based on activity (Presentation, Test, Mini project, Field project, Practical Examination) of 15 points each.

2. IE: Internal Evaluation (Except Laboratory courses) will be carried out by course instructor for 20 points. It is the continuous evaluation throughout the semester. The evaluation will be based on minimum three of the following activities decided by course instructor. The maximum points that can be assigned to one activity will be 07. The course instructor needs to inform the students and head of the department about the activities those will be considered for IE and the points assigned to them in first week of semester. The course instructor will submit the internal evaluation points (out of 20 with activity wise break up) to examination section before the beginning of End Semester examination.

   List of Activities: 1. Class Involvement 2. Assignments 3. Problem Solving 4. Mini project 5. Quizzes 6. Presentation 7. Oral

   Internal evaluation of the laboratory courses is of 25 marks. The evaluation is based on weekly practical assignments and students participation in laboratory work.

3. End semester evaluation: The courses under the category "Theory courses" and "Ability Enhancement Courses". The evaluation is based on End semester examination of 100/50 points. **The end semester examination will cover all the modules of the course content.**

   The courses under the category "Skill Enhancement", "Value Education" and "Indian knowledge system", the evaluation is based on activity (Presentation, Test, Mini project, Field project, Practical Examination) of 50 points.

   End semester for laboratory courses shall be of 25 points which includes Practical examination/ Mini project/ oral examination.

4. $$$$ The evaluation for Co-curricular course/ activity shall be defined by course instructor or activity evaluator. The evaluation for 50 points will be carried out throughout the semester and the grade Pass/ No pass will be awarded which will not be considered for CPI calculation.

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Note: **Refer Academic and Examination rules and regulations for further details.**

BHARTIYA VIDYA BHAVAN'S
SARDAR PATEL COLLEGE OF ENGINEERING
Munshi Nagar Andheri (W)

UG certificate:

The student who wish to Exit after first year and willing to get " UG Certificate" needs to earn additional 6 credits through

1. **Skill Enhancement course 1 [SE-BTC202] : 3 credits
2. **Skill Enhancement course 2 [SE-BTC203] : 3 credits

** The courses should be completed through SWAYAM/ NPTEL defined by the department

[****] Multidisciplinary Minor

The institute will offer Multidisciplinary Minor from the following list based on the resources available. Each Minor is designed for 14 credits.. The students need to select the Minor in the beginning of semester IV.

- Minor in Robotics

- Minor in Management

- Minor in Sustainable Engineering and Management

- Minor in Industry 4.0 technology