



Bhartiya Vidya Bhavan's
Sardar Patel College of Engineering
Academic Year 2024-25



**Second Year B. Tech. in Civil Engineering with Minor in
[Working Professional]**

Academic Evaluation Scheme/Credit System

Year: 2024-2025

Regulation 23 (R23)



Bhartiya Vidya Bhavan's
Sardar Patel College of Engineering
Academic Year 2024-25



Scheme for S. Y. B. Tech. in Civil Engineering with Minor in [Working Professional], (Semester - III) R23 Academic Year 2024-25													
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	Laplace Linear Algebra and Complex Analysis	BS-BTC301	2	0	0	2	15	15	20	100	3	50	100
2	Engineering Geology	BS-BTC302	2	0	0	2	15	15	20	100	3	50	100
3	Mechanics of Materials	PC-BTC302	3	0	0	3	15	15	20	100	3	50	100
4	Basics of Surveying	PC-BTC303	2	0	0	2	15	15	20	100	3	50	100
5	Building Drawing with CAD	PC-BTC304	2	0	0	2	15	15	20	100	3	50	100
6	Fluid Mechanics	PC-BTC306	3	0	0	3	15	15	20	100	3	50	100
7	Concrete Technology	PC-BTC307	2	0	0	2	15	15	20	100	3	50	100
Laboratory Courses													
8	Mechanics of Materials Lab.	PC-BTC351	0	2	0	1	-	-	25	25	-	100	50
9	Basics of Surveying Lab.	PC-BTC352	0	2	0	1	-	-	25	25	-	100	50
10	Fluid Mechanics Lab.	PC-BTC353	0	2	0	1	-	-	25	25	-	100	50
11	Concrete Technology Lab.	PC-BTC354	0	2	0	1	-	-	25	25	-	100	50
12	Building Drawing with CAD Lab.	PC-BTC355	0	2	0	1	-	-	25	25	-	100	50
13	Engineering Geology Lab.	BS-BTC351	0	2	0	1	-	-	25	25	-	100	50
TOTAL			16	12	0	22							

IE: Internal Evaluation

#List of courses to be announced at start of the year



Scheme for S. Y. B. Tech. in Civil Engineering with Minor in [Working Professional], (Semester IV) R23 Academic Year 2024-25													
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	Probability, Statistics and Operational Research	BS-BTC401	2	0	1	3	15	15	20	100	3	50	100
2	Structural Mechanics	PC-BTC402	3	0	1	4	15	15	20	100	3	50	100
3	Surveying & Geomatics	PC-BTC403	3	0	0	3	15	15	20	100	3	50	100
4	Hydraulic Engineering	PC-BTC404	2	0	0	2	15	15	20	100	3	50	100
5	Transportation Engineering	PC-BTC405	2	0	1	3	15	15	20	100	3	50	100
6	Water Supply Engineering	PC-BTC406	2	0	0	2	15	15	20	100	3	50	100
Minor													
7	Minor 1	MI-BTXX1	2	0	0	2	15	15	20	100	3	50	100
Laboratory courses													
8	Surveying & Geomatics Lab.	PC-BTC451	0	2	0	1	-	-	25	25	-	100	50
9	Hydraulic Engineering Lab.	PC-BTC452	0	2	0	1	-	-	25	25	-	100	50
10	Water Supply Engineering Lab.	PC-BTC453	0	2	0	1	-	-	25	25	-	100	50
TOTAL			16	6	3	22							

IE: Internal Evaluation

#List of courses to be announced at start of the year