

# Rajiv Gandhi Proudhgyogiki Vishwavidyalaya, Bhopal

## Scheme of Examination as per AICTE Flexible Curricula

### IV Semester

### Bachelor of Technology (B.Tech.) [Civil Engineering]

**For batches admitted in July, 17 & July, 18 (w.e.f. July, 2018)**

S. No	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical			L	T	P	
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Term work					
								Lab Work & Sessional					
1.	ES401	BSC	Energy & Environmental Engineering	70	20	10	-	-	100	3	1	-	4
2.	CE402	DC	Construction Technology	70	20	10	30	20	150	2	1	2	4
3.	CE403	DC	Structural Analysis-I	70	20	10	30	20	150	3	1	2	5
4.	CE404	DC	Transportation Engineering-I	70	20	10	30	20	150	3	1	2	5
5.	CE405	DC	Engineering Geology & Remote Sensing	70	20	10	30	20	150	3	0	2	4
6.	CE406	DLC*	Software Lab	-	-	-	30	20	50	-	-	4	2
7.	BT407	DLC	90 hrs Internship based on using various software's –Internship -II	To be completed anytime during fourth semester. Its evaluation/credit to be added in fifth semester.									3
			Total	350	100	50	150	100	750	14	4	12	24
8.	BT408	MC	Cyber Security	Non-credit course									
			NSS/NCC										

\*A minimum of 2 hours per week should be allotted for the Virtual Lab along with the slot fixed for the conventional lab classes.

MST: Minimum of two mid semester tests to be conducted.

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	1 Credit	1 Credit

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**Bachelor of Technology (B.Tech.) Civil Engineering** (w.e.f. Jan, 2020)

**VI Semester**

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical			L	T	P	
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work Lab Work & Sessional					
1.	CE601	DC	Structural Design and Drawing (RCC-I)	70	20	10	30	20	150	2	1	2	4
2.	CE 602	DC	Environmental Engineering I	70	20	10	30	20	150	2	1	2	4
3.	CE 603	DE	Departmental Elective	70	20	10	-	-	100	4	-	0	4
4.	CE 604	OE	Open Elective	70	20	10	-	-	100	4	-	0	4
5.	CE 605	D Lab	Advance surveying lab	-	-	-	30	20	50	-	-	6	3
6.	CE 606	O/E Lab	Non Destructive Testing Lab	-	-	-	30	20	50	-	-	6	3
7.	CE 607	IN	Internship-III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
8.	CE 608	P	Minor Project II	-	-	-	-	50	50	-	-	4	2
9.	Additional Credits <sup>#</sup>	<sup>#</sup> Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.											
			Total	280	80	40	120	130	650	12	2	20	24

Departmental Electives	Open Electives
603 (A) Water resources engineering	604(A) Fluid Mechanics II
603 (B) Precast and modular construction	604(B) Intellectual Property rights(IPR)
603(C) Advance pavement design	604(C) Environmental Impact Assessment
603(D) Cost effective and Eco-friendly structures	604(D) Operation Research

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	1 Credit	1 Credit

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**VIII Semester**

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical			L	T	P	
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work Lab Work & Sessional					
1.	CE-801	DC	Design of Steel Structures	70	20	10	30	20	150	2	1	2	4
2.	CE-802	DE	Departmental Elective	70	20	10	-	-	100	3	1	-	4
3.	CE-803	OE	Open Elective	70	20	10	-	-	100	3	-	-	3
4.	CE-804	D/O/E Lab	Earthquake Resistant Structures Lab	-	--	-	30	20	50	-	-	6	3
5.	CE-805	P	Major Project-II	-	-	-	70	30	100	-	-	8	4
6.	Additional Credits <sup>#</sup>	#Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.											
			Total	210	60	30	130	70	500	8	2	16	18

Departmental Electives	Open Electives
802(A) Engineering Hydrology	803(A) Artificial Intelligence
802 (B) Foundation Engineering	803(B) Data Analytics
802 (C) Bridge Engineering	803(C) Retrofitting and Rehabilitation of Structures
802 (D) Earthquake Resistant Design of Structures	803 (D) Integrated Water Management

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	1 Credit	1 Credit