

Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal

Scheme of Examination as per AICTE Flexible Curricula

IV Semester

Bachelor of Technology (B.Tech.) [Computer Science & 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.	BT401	BSC	Mathematics- III	70	20	10	-	-	100	3	1	-	4
2.	CS402	DC	Analysis Design of Algorithm	70	20	10	30	20	150	2	1	2	4
3.	CS403	DC	Software Engineering	70	20	10	30	20	150	3	1	2	5
4.	CS404	DC	Computer Org. & Architecture	70	20	10	30	20	150	3	1	2	5
5.	CS405	DC	Operating Systems	70	20	10	30	20	150	3	0	2	4
6.	CS406	DLC*	Programming Practices	-	-	-	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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New Scheme of Examination as per AICTE Flexible Curricula
 Bachelor of Technology (B.Tech.) Computer Science and Engineering/ (w.e.f. Jan, 2020)
 Computer Engineering/Computer Science & Technology]

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.	CS601	DC	Distributed System	70	20	10	30	20	150	2	1	2	4
2.	CS602	DC	Computer Network	70	20	10	30	20	150	2	1	2	4
3.	CS603	DE	Departmental Elective	70	20	10	-	-	100	4	-	0	4
4.	CS604	OE	Open Elective	70	20	10	-	-	100	4	-	0	4
5.	CS605	D Lab	Statistical Data Analysis with R Programming	-	-	-	30	20	50	-	-	6	3
6.	CS606	O/E Lab	MATLAB Programming	-	-	-	30	20	50	-	-	6	3
7.	CS607	IN	Internship-III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
8.	CS608	P	Minor Project II	-	-	-	-	50	50	-	-	4	2
9.	Additional Credits [#]	[#] 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) Advance Computer Architecture	604(A) Knowledge Management
603 (B) Computer Graphics & Visualization	604(B) Project Management
603 (C) Mobile Computing	604 (C) Rural Technology & Community Development

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

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New Scheme of Examination as per AICTE Flexible Curricula

VIII Semester

**Bachelor of Technology (B.Tech.) Computer Science and Engineering/ (w.e.f. Jan, 2021)
Computer Engineering/Computer Science & Technology]**

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.	CS 801	DC	Internet of Things	70	20	10	30	20	150	2	1	2	4
2.	CS 802	DE	Departmental Elective	70	20	10	-	-	100	3	1	-	4
3.	CS 803	OE	Open Elective	70	20	10	-	-	100	3	-	-	3
4.	CS 804	D/O/E Lab	D/O elective lab	-	--	-	30	20	50	-	-	6	3
5.	CS 805	P	Major Project-II	-	-	-	70	30	100	-	-	8	4
6.	Additional Credits [#]	[#] 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) Block Chain Technologies	803(A) Image Processing and Computer Vision [#]
802 (B) Cloud Computing	803(B) Game Theory with Engineering applications [#]
802 (C) High Performance computing	803(C) Internet of Things [*]
802 (D) Object Oriented Software Engineering	803 (D) Managing Innovation and Entrepreneurship [#]

[#] These Open Electives can be offered to students of all branches **including CSE branch**. However, they can be offered to students of Non-CSE branches only if they have not taken any similar courses previously and have sufficient knowledge of pre-requisite courses (if any) of respective open electives subject.

^{*} can be offered to students of all branches except CSE, provided they have not taken any similar course previously and have sufficient knowledge of pre-requisite courses, if any.

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