

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
New Scheme of Examination as per AICTE Flexible Curricula
Bachelor of Technology (B.Tech.) [Computer Science and Engineering]

III Semester

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.	ES301	HSMC-3	Energy & Environmental Engineering	70	20	10	-	-	100	3	1	-	4
2.	CS302	DC-1	Discrete Structure	70	20	10	-	-	100	3	1	-	4
3.	CS303	DC-2	Data Structure	70	20	10	30	20	150	3	-	2	4
4.	CS304	DC-3	Digital Systems	70	20	10	30	20	150	3	-	2	4
5.	CS305	DC-4	Object Oriented Programming & Methodology	70	20	10	30	20	150	3	-	2	4
6.	CS306	DLC-3	Computer Workshop	-	-	-	30	20	50	-	-	4	2
7.	BT107	DLC-1	Evaluation of Internship-I completed at I year level	-	-	-	-	50	50			4	2
8.	BT307	DLC-4	90 hrs Internship based on using various softwares –Internship -II	To be completed anytime during Third/ fourth semester. Its evaluation/credit to be added in fifth semester.									
			Total	350	100	50	120	130	750	15	2	14	24
			NSS/NCC										

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

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Bachelor of Technology (B.Tech) Computer Science & Engineering **(w.e.f. July, 2019)**

V 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.	CS-501	DC	Theory of Computation	70	20	10	30	20	150	3	-	2	4
2.	CS-502	DC	Database Management Systems	70	20	10	30	20	150	3	-	2	4
3.	CS -503	DE	Departmental Elective	70	20	10	-	-	100	3	1	-	4
4.	CS -504	OE	Open Elective	70	20	10	-	-	100	3	-	-	3
5.	CS -505	D Lab	Lab (Linux)	-	-	-	30	20	50	-	-	4	2
6.	CS -506	O/E Lab	Lab (Python)	-	-	-	30	20	50	-	-	4	2
7.	CS -507	IN	Evaluation of Internship-II	-	-	-	-	100	100	-	-	6	3
8.		IN	Internship - III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
9.	CS -508	P	Minor Project- I	-	-	-	-	50	50			4	2
10.	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	230	750	12	1	22	24

Departmental Electives	Open Electives
CS 503 (A) Data Analytics	CS 504 (A) Internet and Web Technology *
CS 503 (B) Pattern Recognition	CS 504 (B) Object Oriented Programming **
CS 503 (C) Cyber Security	CS 504 (C) Introduction to Database Management Systems**

* Can be offered to students of all branches including CSE

** Can be offered to students of all branches except CSE and IT

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

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VII Semester

Bachelor of Technology (B.Tech.) Computer Science and Engineering/ (w.e.f. July, 2020)

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 701	DC	Software Architectures	70	20	10	30	20	150	2	1	2	4
2.	CS 702	DE	Departmental Elective	70	20	10	-	-	100	3	1	-	4
3.	CS 703	OE	Open Elective	70	20	10	-	-	100	3	0	0	3
4.	CS 704	D Lab	Departmental Elective Lab	-	--	-	30	20	50	-	-	6	3
5.	CS 705	O/E lab	Open Elective Lab	-	-	-	30	20	50	-	-	6	3
6.	CS 706	P	Major Project-I	-	-	-	100	50	150	-	-	8	4
7.	CS 707		Evaluation of Internship -III	-	-	-	-	100	100	-	-	6	3
8.	Additional Credits [#]	<i>#Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective level.</i>											UG
Total				210	60	30	190	210	700	8	2	28	24

Departmental Electives	Open Electives
702(A) Computational Intelligence	703(A) Cryptography & Information Security
702 (B) Deep & Reinforcement Learning	703(B) Data Mining and Warehousing
702 (C) Wireless & Mobile Computing	703(C) Agile Software Development
702 (D) Big Data	703 (D) Disaster Management

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.

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