

Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal

Scheme of Examination as per AICTE Flexible Curricula

IV Semester

Bachelor of Technology (B.Tech.) [Information Technology]

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.	IT402	DC	Computer Architecture	70	20	10	-	-	100	2	1	-	3
3.	IT403	DC	Analysis and Design of Algorithm	70	20	10	30	20	150	3	1	2	5
4.	IT404	DC	Analog & Digital Communication	70	20	10	30	20	150	3	1	2	5
5.	IT405	DC	Data base Management System	70	20	10	30	20	150	3	0	2	4
6.	IT406	DLC*	Introduction to MATLAB, Scilab/Web Design	-	-	-	30	20	50	-	-	4	2
7.	IT407	DLC*	Dot Net	-	-	-	30	20	50	-	-	2	1
8.	BT408	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
9.	BT409	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.) Information Technology **(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.	IT601	DC	Computer Graphics & Multimedia	70	20	10	30	20	150	2	1	2	4
2.	IT602	DC	Wireless and Mobile Computing	70	20	10	30	20	150	2	1	2	4
3.	IT603	DE	Departmental Elective	70	20	10	-	-	100	4	-	0	4
4.	IT604	OE	Open Elective	70	20	10	-	-	100	4	-	0	4
5.	IT605	D Lab	Programming in Python	-	-	-	30	20	50	-	-	6	3
6.	IT606	O/E Lab	Android Programming	-	-	-	30	20	50	-	-	6	3
7.	IT607	IN	Internship-III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
8.	IT608	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) Compiler Design		604(A) Intellectual Property Rights	
603 (B) Data Mining		604(B) Software Engineering	

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

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VIII Semester Bachelor of Technology (B.Tech.) Information Technology (w.e.f. Jan, 2021)

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.	IT-801	DC	Information Security	70	20	10	30	20	150	2	1	2	4
2.	IT-802	DE	Departmental Elective IV	70	20	10	-	-	100	3	1	-	4
3.	IT-803	OE	Open Elective IV	70	20	10	-	-	100	3	-	-	3
4.	IT-804	D/O/E Lab	Machine Learning Lab	-	--	-	30	20	50	-	-	6	3
5.	IT-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.											
7.			Total	210	60	30	130	70	500	8	2	16	18

Departmental Electives	Open Electives
802(A) Machine Learning	803(A) Blockchain Technology
802 (B) Natural Language Processing	803(B) Human Computer Interaction
802 (C) Robotics	803(C) 3D Printing and Design
802 (D) Quantum Computing	803 (D) Parallel Computing

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