

R.T. M. Nagpur University, Nagpur

FOUR YEAR B.TECH. COURSE

B.Tech. SCHEME OF EXAMINATION wef: 2021-22

Scheme of Teaching & Examination of Bachelor of Technology III Semester B.Tech. (Computer Science and Engineering)

Sr. No.	Course Code	Category	Course Name	Hours/Week			Credits	Maximum Marks				Min Passing		
				L	T	P		Theory		Practical		Total	Theory	Practical
								Internal	University	Internal	University			
1	BTEHCSE301T	Basic Sciences courses	Applied Mathematics – III	3	1	-	4	30	70	-	-	100	45	
2	BTEHCSE302T	Professional core courses	Object Oriented Programming with Java	3	1	-	4	30	70	-	-	100	45	
3	BTEHCSE303T	Professional core courses	Operating System	3	-	-	3	30	70	-	-	100	45	
4	BTEHCSE304T	Professional core courses	Computer Architecture & Digital System	3	1	-	4	30	70	-	-	100	45	
5	BTEHCSE305T	Professional core courses	Ethics in IT	3	-	-	3	30	70	-	-	100	45	
6	BTEHCSE306T	Humanities	Universal Human Values	2	-	-	2	15	35	-	-	50	23	
7	BTEHCSE307T	Mandatory Course	Environment Science (Audit)	2	-	-	0	-	-	-	-	-		
8	BTEHCSE302P	Professional core courses	Object Oriented Programming with Java	-	-	2	1	-	-	25	25	50		25
9	BTEHCSE303P	Professional core courses	Operating System	-	-	2	1	-	-	25	25	50		25
10	BTEHCSE308P	Professional core courses	Computer Workshop-I	-	-	2	1	-	-	25	25	50		25
Total				19	3	6	23	165	385	75	75	700		

Dr. Dilesh Malik
Ad hoc chairman STC

RTMNU B.TECH. SCHEME OF EXAMINATION 2021-22

Scheme of Teaching & Examination of Bachelor of Technology IV Semester B.Tech. (Computer Science and Engineering)

Sr. No.	Course Code	Category	Course Name	Hours/ Week			Credit s	Maximum Marks				Min Passing Marks		
				L	T	P		Theory		Practical		Total	Theory	Practical
								Internal	University	Internal	University			
1	BTECHCSE401 T	Basic sciences	Discrete Mathematics and Graph Theory	3	0	0	3	30	70	-	-	100	45	
2	BTECHCSE402 T	Professional core courses	Data Structure and Program Design	3	1	0	4	30	70	-	-	100	45	
3	BTECHCSE402 P	Professional core courses	Data Structure and Program Design Lab	0	0	2	1	-	-	25	25	50		25
4	BTECHCSE403 T	Professional core courses	Database Managements Systems	3	0	0	3	30	70	-	-	100	45	
5	BTECHCSE403 P	Professional core courses	Database Managements Systems Lab	0	0	2	1	-	-	25	25	50		25
6	BTECHCSE404 T	Professional core courses	Computer Networks	3	0	0	3	30	70			100	45	
7	BTECHCSE405 T	Professional core courses	Theory of Computation	3	1	0	4	30	70	-	-	100	45	
8	BTECHCSE406 T	Professional core courses	System Programming	3	0	0	3	30	70			100	45	
9	BTECHCSE407 P	Professional core courses	Computer Workshop-II (Python)	0	0	2	1	-	-	25	25	50		25
10	BTECHCSE408	Project-CS	Internship	0	0	2	1	-	-	50	-	50		25
Total				18	2	8	24	180	420	125	75	800		

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RTMNU B.TECH. SCHEME OF EXAMINATION 2021-22

Scheme of Teaching & Examination of Bachelor of Technology V Semester B.Tech. (Computer Science and Engineering)

S. N.	Course Code	Category	Subject	Hours/ Week			Credits	Maximum Marks					Min Passing Marks	
								Theory		Practical		Total	Theory	Practical
				L	T	P		Internal	University	Internal	University			
1	BTECHCSE501 T	Professional core courses	Artificial Intelligence	3	1	-	4	30	70	-	-	100	45	-
2	BTECHCSE502 T	Professional core courses	Software Engineering & Project Management	3	-	-	3	30	70	-	-	100	45	-
3	BTECHCSE503 T	Humanities Social and Management Courses	Effective Technical Communication	2	-	-	2	15	35	-	-	50	23	-
4	BTECHCSE504 T	Professional core courses	Design & Analysis of Algorithms	3	1	-	4	30	70	-	-	100	45	-
5	BTECHCSE505 T	Professional core courses	Elective-I	3	-	-	3	30	70	-	-	100	45	
6	BTECHCSE501 P	Professional core courses	Artificial Intelligence - Lab	-	-	2	1	-	-	25	25	50	-	25
7	BTECHCSE504 P	Professional core courses	Design & Analysis of Algorithms –Lab	-	-	2	1	-	-	25	25	50	-	25
8	BTECHCSE506 P	Professional core courses	Professional Skill Lab -1	-	-	2	1	-	-	25	25	50	-	25
10	BTECHCSE507 T	Mandatory Course	Yoga & Meditation (Audit Course)	2	-	-	Audit	-	-	-	-	-	-	-
			Total	16	2	06	19	135	315	75	75	600		

Elective-I: 1. TCP/IP

2. Design Patterns

3. Data Warehousing & Mining

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RTMNU B.TECH. SCHEME OF EXAMINATION 2021-22

Scheme of Teaching & Examination of Bachelor of Technology VI Semester B.Tech. (Computer Science and Engineering)

S. N.	Course Code	Category	Subject	Hours/Week			Credits	Maximum Marks					Min Passing Marks	
								Theory		Practical		Total	Theory	Practical
				L	T	P		Internal	University	Internal	University			
1	BTEHCSE601T	Professional core courses	Compiler Design	4	-	-	4	30	70	-	-	100	45	-
2	BTEHCSE602P	Professional core courses	Hardware Lab	-	-	2	1	-	-	25	25	50	-	25
3	BTEHCSE603T	Professional core courses	Elective-II	3	-	-	3	30	70	-	-	100	45	-
4	BTEHCSE604T	Professional core courses	Elective-III	3	-	-	3	30	70	-	-	100	45	-
5	BTEHCSE605T	Professional core courses	Open Elective-I	3	-	-	3	30	70	-	-	100	45	
6	BTEHCSE606P	Professional core courses	Professional Skill Lab II	-	-	2	1	-	-	25	25	50	-	25
7	BTEHCSE601P	Professional core courses	Compiler Design-Lab	-	-	2	1	-	-	25	25	50	-	25
8	BTEHCSE607P	Professional core courses	Mini Project	-	-	6	3	-	-	50	50	100	-	45
10	BTEHCSE608T	Humanities Social and Management Courses	Economics of IT Industry	2	-	-	2	-	-	-	-	-	-	-
11	BTEHCSE609T	Mandatory Course	Intellectual property Rights (Audit Course)	2	-	-	Audit	-	-	-	-	-	23	-
			Total	17	-	12	21	120	280	125	125	650		

Elective-II: - 1. Machine Learning

2. Internet of Things

3. Cluster and Cloud Computing

Elective-III: - 1. Data Science

2. Distributed Operating Systems

3. Human Computer Interaction

Open Elective:- 1. Linux Fundamentals 2. Android Application Development 3. Blockchain Technologies

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Scheme of Teaching & Examination of Bachelor of Technology VI Semester B.Tech. (Computer Science and Engineering)

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1	BTEHCSE601T	Professional core courses	Compiler Design	4	-	-	4	30	70	-	-	100	45	-
2	BTEHCSE602P	Professional core courses	Hardware Lab	-	-	2	1	-	-	25	25	50	-	25
3	BTEHCSE603T	Professional core courses	Elective-II	3	-	-	3	30	70	-	-	100	45	-
4	BTEHCSE604T	Professional core courses	Elective-III	3	-	-	3	30	70	-	-	100	45	-
5	BTEHCSE605T	Professional core courses	Open Elective-I	3	-	-	3	30	70	-	-	100	45	
6	BTEHCSE606P	Professional core courses	Professional Skill Lab II	-	-	2	1	-	-	25	25	50	-	25
7	BTEHCSE601P	Professional core courses	Compiler Design-Lab	-	-	2	1	-	-	25	25	50	-	25
8	BTEHCSE607P	Professional core courses	Mini Project	-	-	6	3	-	-	50	50	100	-	45
10	BTEHCSE608T	Humanities Social and Management Courses	Economics of IT Industry	2	-	-	2	-	-	-	-	-	-	-
11	BTEHCSE609T	Mandatory Course	Intellectual property Rights (Audit Course)	2	-	-	Audit		-	-	-	-	23	-
			Total	17	-	12	21	120	280	125	125	650		

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