



Department of Computer Science and Engineering
Scheme of Evaluation
B. Tech. VII Semester (CSE)

(for batch admitted in academic session 2021-22)

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted									Total Marks	Contact Hours per week			Total Credits	Mode of Teaching	Mode of Exam.
				Theory Slot				Practical Slot			MOOCs			L	T	P			
				End Term Evaluation		Continuous Evaluation		End Sem. Exam.	Continuous Evaluation		Assignment	Exam							
				End Sem. Exam	\$Proficiency in subject /course	Mid Sem. Exam.	Quiz/Assignment		Lab Work & Sessional	Skill Based Mini Project									
1.	DE	DE	Departmental Elective (DE-2)	50	10	20	20	-	-	-	-	100	3	-	-	3	Blended	PP	
2.	DE	DE	Departmental Elective*(DE-3)	-	-	-	-	-	-	25	75	100	3	-	-	3	Online	MCQ	
3.	DE	DE	Departmental Elective*(DE-4)	-	-	-	-	-	-	25	75	100	3	-	-	3	Online	MCQ	
4.	OC	OC	Open Category (OC-2)	50	10	20	20	-	-	-	-	100	3	-	-	3	Blended	PP	
6.	150701	DLC	Departmental Lab (DLC-6)					60	20	20		100	-	-	4	2	Offline	SO	
7.	150702	DLC	Summer Internship Project-III (04weeks) (Evaluation)(DLC-7)	-				60				60	-	-	4	2	Online and Mentoring	SO	
8.	150703	DLC	Creative Problem Solving(Evaluation)(DLC-8)	-				25	25			50	-	-	2	1	Offline	SO	
Total				100	20	40	40	145	45	20	50	150	610	12	-	10	17	-	
9.	1000008	MAC	Universal Human Values & Professional Ethics (UHVPE)	50	10	20	20	-	-	-	-	100	02	-	-	Grade	Online	MCQ	

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Natural Sciences & Skills: Engineering Physics / Engineering Chemistry / Environmental Engineering / Language

Credits of Natural Sciences & Skills will be added in the VI Semester



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Deemed to be University
(Declared under Distinct Category by Ministry of Education, Government of India)
NAAC ACCREDITED WITH A++ GRADE



MCQ: Multiple Choice Question **AO:** Assignment + Oral **PP:** Pen Paper **SO:** Submission + Oral

Mode of Teaching					Mode of Examination					Total Credits	
Theory		Blended		Lab	Theory			Lab	SIP/SLP/NEC		
Offline	Online	Offline	Online	Offline	Interactive	PP	AO	MCQ	SO		SO
	6	6	-	5	-	6	-	6	3	2	17
	35	35	-	30	-	35		35	18	12	Credits %

DE-2(Through Traditional Mode)		
S. No.	Subject Code	Subject Name
1.	150714	Adhoc Networks
2.	150712	Data Mining & Warehousing
3.	150713	Distributed Systems

OC-2		
S. No.	Subject Code	Subject Name
1.	900222	Computer Networks
2.		Web Technologies

DE-3*		
S. No.	Subject Code	Subject Name
1.	150765	Reinforcement Learning
2.	150766	Big Data Computing
3.	150767	Design & Implementation of Human-Computer Interfaces

DE-4*		
S. No.	Subject Code	Subject Name
1.	150768	Deep Learning - IIT Ropar
2.	150771	Approximation Algorithm
3.	150772	Deep Learning for Computer Vision



List of courses to be opted for Honors or Minor specialization in VII Semester

Minor Specialization**(to be opted by students of Other Department)*

Software Engineering
Programming in Java
Computer Graphics

Honors**(to be opted by students of Parent Department)*

Track1	Course
Information Security	Secure Computation: Part II
	Practical Cyber Security for Cyber Security Practitioners
	Responsible & Safe AI
IoT	Robotics
	Smart Grid: Basics to Advanced Technologies (in place of this float other subject)
High Performance Computing	Parameterized Algorithms
	Statistical Learning for Reliability Analysis

* Course run through SWAYAM/NPTEL/MOOC Learning Based Platform



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B. Tech. V Semester (CSE)

(for batch admitted in academic session 2022-23)

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				Theory Slot				Practical Slot				L	T	P				
				End Term Evaluation		Continuous Evaluation		End Sem. Exam.	Continuous Evaluation									
				End Sem. Exam	\$Proficiency in subject /course	Mid Sem. Exam.	Quiz/Assignment		Lab Work & Sessional	Skill Based Mini Project								
1.	2150511	DC	Data Science	50	10	20	20	60	20	20	200	2	1	2	4	Blended	MCQ	1.5 Hrs
2.	2150512	DC	Networking with TCP/IP	50	10	20	20	-	-	-	100	3	-	-	3	Blended	PP	2 Hrs
3.	2150513	DC	Information Security	50	10	20	20	60	20	20	200	3	-	2	4	Blended	PP	2 Hrs
4.	2150514	DC	Compiler Design	50	10	20	20	-	-	-	100	3	1	-	4	Blended	PP	2 Hrs
5.	2150519	DC	Cloud Computing and Virtualization	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
6.	2150516	DLC	Minor Project-I**	-	-	-	-	60	40	-	100	-	-	4	2	Offline	SO	
7.	2150517	DLC	Summer Internship Project-II (Evaluation) (DLC-4)	-	-	-	-	60	-	-	60	-	-	4	2	SO	SO	-
8.	2150518	SEMINAR SELF STUDY	Self-learning/Presentation (SWAYAM/NPTEL/ MOOC)	-	-	-	-	-	40	-	40	-	-	2	1	Online and Mentoring	SO	-
9.	2000XXX	CLC	Novel Engaging Course	-	-	-	-	50	-	-	50	-	-	2	1	interactive	SO	-
Total				250	50	100	100	290	120	40	950	13	03	16	24			
10.	100006 ^{SS}	MAC	Disaster Management	50	10	20	20	-	-	-	100	2	-	-	Grade	Online	MCQ	1.5 Hrs

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Theory			Lab	NEC	Theory			Lab	SIP/SLP/NEC	
Offline	Online	Blended	Offline	Interactive	PP	AO	MCQ	SO	SO	
		Offline	Online							
		16	-	7	1	14	-	04	02	04
		67	-	29	4	58	-	17	8	17
										24
										Credits %

List of courses to be opted for Honors or Minor specialization in V Semester

Minor Specialization* (to be opted by students of Other Department)

Operating System Fundamentals

Computer Architecture

Programming, Data Structures and Algorithms using Python

Honors* (to be opted by students of Parent Department)

Track1

Course

Information Security

Cyber Security and Privacy

Ethical Hacking

IoT

Introduction to Internet of Things

Sensor Technologies: Physics, Fabrication, and Circuits

High Performance Computing

Multi-Core Computer Architecture

Randomized Methods in Complexity

***Course run through SWAYAM/NPTEL/MOOC Learning Based Platform**



Department of Computer Science and Engineering
Scheme of Evaluation
B. Tech. III Semester (CSE)

(for batch admitted in academic session 2023-24)

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted						Total Marks	Contact Hours per week			Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam.	
				Theory Slot				Practical Slot			L	T	P					
				End Term Evaluation		Continuous Evaluation		End Sem. Exam.	Continuous Evaluation									
				End Sem. Exam	Proficiency in subject/course	Mid Sem. Exam.	Quiz/Assignment		Lab Work & Sessional									Skill Based Mini Project
1.	3150301	BSC	Discrete Structures	50	10	20	20	-	-	-	100	3	1	-	4	Blended	PP	2 Hrs
2.	3150302	DC	Operating Systems	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
3.	3150303	DC	Design & Analysis of Algorithms	50	10	20	20	40	30	30	200	2	1	2	4	Blended	PP	2 Hrs
4.	3150304	DC	Database Management System	50	10	20	20	40	30	30	200	2	1	2	4	Blended	PP	2 Hrs
5.	3150309	DC	Python Programming	50	10	20	20	-	-	-	100	2	1	-	3	Blended	AO	2 Hrs
6.	3150310	DLC	Problem solving using Python Lab	-	-	-	-	40	30	30	100	-	-	2	1	offline	SO	
7.	3150307	DLC	Self-learning/Presentation (SWAYAM/NPTEL/MOOC)	-	-	-	-	-	40	-	40	-	-	2	1	Online and Mentoring	SO	-
8.	200XXX	CLC	Novel Engaging Course (Informal Learning)	-	-	-	-	50	-	-	50	-	-	2	1	Interactive	SO	-
9.	3150308	DLC	Skill Internship Project (Institute Level) (Evaluation)	-	-	-	-	60	-	-	60	-	-	4	2	Offline	SO	-
Total				250	50	100	100	230	130	90	950	11	05	14	23			
10.	1000005	MAC	Project Management & Financing	50	10	20	20				100	2	-	-	GRADE	Blended	MCQ	1.5 Hrs
11.	3000004	Natural Science & Skills	Language	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs

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Theory			Lab	NEC	Theory			Lab	SIP/SLP/NEC		
Offline	Online	Blended		Offline	Interactive	PP	AO	MCQ	SO	SO	
		Offline	Online								
		16	-	6	1	15	03	-	01	04	23
		70	-	26	4	65.5	13	-	4	17.5	Credits %