

Delhi Technological University
Computer Science and Engineering Department
Schemes of Teaching and Examination
B.Tech. (CSE) Program
(Effective from session 2023-24)

B. Tech. Computer Science and Engineering

I Year: First Semester	
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[illegible]

B. Tech. Computer Science and Engineering

II Year: Third Semester	
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[illegible]

B. Tech. Computer Science and Engineering

III Year: Fifth Semester

[illegible]

B. Tech. Computer Science and Engineering

IV Year: Seventh Semester

[illegible]

IV Year: Eighth Semester	
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[illegible]

B. Tech. Computer Science and Engineering

<p align="center">III Year: Fifth Semester Department Elective Course-1</p>	
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Teaching Scheme					Contact Hours/Week			Exam Duration (h)		Relative Weights (%)				
S. No.	Subject Code	Course Title	Subject Area	Credit	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
1	CS307	Modelling and Simulation	DEC	4	3	1	0	3	0	25	-	25	50	-
2	CS309	Distributed System	DEC	4	3	1	0	3	0	25	-	25	50	-
3	CS311	Information Theory and coding	DEC	4	3	1	0	3	0	25	-	25	50	-
4	CS313	Quantum Computing	DEC	4	3	1	0	3	0	25	-	25	50	-
5	CS315	Advanced Data Structures	DEC	4	3	1	0	3	0	25	-	25	50	-
6	CS317	Microprocessors and Interfacing	DEC	4	3	1	0	3	0	25	-	25	50	-
7	CS319	Computer Graphics	DEC	4	3	1	0	3	0	25	-	25	50	-
III Year: Sixth Semester Department Elective Course-2,3														
1	CS306	Optimization Techniques	DEC	4	3	1	0	3	0	25	-	25	50	-
2	CS308	Soft Computing	DEC	4	3	0	2	3	0	15	25	20	40	-
3	CS310	Enterprise Java programming	DEC	4	3	0	2	3	0	15	25	20	40	-
4	CS312	Embedded Systems	DEC	4	3	1	0	3	0	25	-	25	50	-
5	CS314	Data Compression	DEC	4	3	1	0	3	0	25	-	25	50	-
6	CS316	Parallel Algorithms	DEC	4	3	1	0	3	0	25	-	25	50	-
7	CS318	Deep Learning	DEC	4	3	0	2	3	0	15	25	20	40	-
8	CS320	Blockchain and Applications	DEC	4	3	1	0	3	0	25	-	25	50	-
9	CS322	Optical Networks	DEC	4	3	1	0	3	0	25	-	25	50	-
10	CS324	High Speed Networks	DEC	4	3	1	0	3	0	25	-	25	50	-
11	CS326	Advanced Database Management Systems	DEC	4	3	1	0	3	0	25	-	25	50	-
12	CS328	Multimedia System Design	DEC	4	3	1	0	3	0	25	-	25	50	-
IV Year: Seventh Semester Department Elective Course-4,5														

Teaching Scheme					Contact Hours/Week			Exam Duration (h)		Relative Weights (%)				
S. No.	Subject Code	Course Title	Subject Area	Credit	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
1	CS405	Real Time System	DEC	4	3	1	0	3	0	25	-	25	50	-
2	CS407	Pattern Recognition	DEC	4	3	1	0	3	0	25	-	25	50	-
3	CS409	Object Oriented Software Engineering	DEC	4	3	1	0	3	0	25	-	25	50	-
4	CS411	Cyber vulnerability and Ethical hacking	DEC	4	3	1	0	3	0	25	-	25	50	-
5	CS413	Computer Vision	DEC	4	3	1	0	3	0	25	-	25	50	-
6	CS415	Data Visualization	DEC	4	3	0	2	3	0	15	25	20	40	-
7	CS417	Wireless and Mobile Computing	DEC	4	3	1	0	3	0	25	-	25	50	-
8	CS419	Business Analytics	DEC	4	3	1	0	3	0	25	-	25	50	-
9	CS421	Advance Web Technology	DEC	4	3	0	2	3	0	15	25	20	40	-
10	CS423	Big Data Analytics	DEC	4	3	0	2	3	0	15	25	20	40	-
11	CS425	Cloud Computing	DEC	4	3	1	0	3	0	25	-	25	50	-
12	CS427	Natural Language Processing	DEC	4	3	0	2	3	0	15	25	20	40	-
IV Year: Eighth Semester Department Elective Course-6														
1	CS404	High Performance Computing	DEC	4	3	1	0	3	0	25	-	25	50	-
2	CS406	Grid and Cluster Computing	DEC	4	3	1	0	3	0	25	-	25	50	-
3	CS408	Swarm & Evolutionary Computing	DEC	4	3	1	0	3	0	25	-	25	50	-
4	CS410	Digital Image Processing	DEC	4	3	0	2	3	0	15	25	20	40	-
5	CS412	Intellectual Property Rights	DEC	4	3	1	0	3	0	25	-	25	50	-
6	CS414	Cyber Forensics	DEC	4	3	1	0	3	0	25	-	25	50	-
7	CS416	Semantic Web and Web Mining	DEC	4	3	1	0	3	0	25	-	25	50	-