

Course No.	Course Title	L	T	P	C	Type of Course (Compulsory / Open Elective/ Dept. Elective)	Offered to Whom (Program & Semester)	Name(s) of Course Instructor(s)	IITG Email ids of instructors (without @iitg.ac.in)	Class Slot	Exam Slot
CS 101	Introduction to Computing	3			6	Compulsory	B. Tech. 2 nd Sem.	Prof. S. B. Nair	sbnair		
								Prof. P. K. Das	pkdas		
								Dr. Chandan Karfa	ckarfa		
								Dr. D. Kesh	deepkesh		
CS 110	Computing Lab			3	3	Compulsory	B. Tech. 2 nd Sem.	Dr. Ashish Anand	anand.ashish		
								Prof. D. Goswami	dgoswami		
CS 205	Formal Languages, Automata Theory, and Computation	3			6	Compulsory	B. Tech. 4th Sem.	Dr. R. Inkulu	rinkulu	A	A
CS 207	Design and Analysis of Algorithms	3			6	Compulsory	B. Tech. 4th Sem.	Prof. G. Sajith	sajith	B	B
CS 223	Computer Architecture and Organization	3			6	Compulsory	B. Tech. 4th Sem. (CSE + M&C)	Prof. J. K. Deka	jatin	D	D
								Dr. J. Jose	johnjose		
CS 224	Hardware Lab		1	4	6	Compulsory	B. Tech. 4th Sem.	Prof. H. K. Kapoor	hemangee	AL2, E1	
CS 245	Database Management Systems	3			6	Compulsory	B. Tech. 4th Sem. (CSE + M&C)	Dr. V. V. Saradhi	saradhi	C	C
								Dr. A. Awekar	awekar		
CS 246	Database Management Systems Lab			4	4	Compulsory	B. Tech. 4th Sem. (CSE + M&C)	Dr. V. V. Saradhi	saradhi	AL1	
								Dr. A. Awekar	awekar		
CS 206M	Datastructures and Algorithms	3			6	Compulsory	B. Tech. 4th Sem. Minor	Prof. S. V. Rao	svrao	G	G
CS 345	Software Engineering	2			4	Compulsory	B. Tech. 6 th Sem.	Dr. Samit Bhattacharya	samit	E1	E1
CS 346	Software Engineering Lab			3	3	Compulsory	B. Tech. 6 th Sem.	Dr. Samit Bhattacharya	samit	ML1	
CS 348	Implementation of Programming Languages Lab		2	3	7	Compulsory	B. Tech. 6 th Sem.	Dr. Pinaki Mitra	pinaki	ML2, C1, E1	
CS 361	Machine Learning	3			6	Compulsory	B. Tech. 6 th Sem.	Dr. Arijit Sur	arijit	D1	D1
CS 350M	Computer Systems	3			6	Compulsory	B. Tech. 6 th Sem. Minor	Dr. T. Venkatesh	t.venkat	G1	G1
CS 558	Computer Systems Lab		1	4	6	Compulsory	M. Tech. 2 nd Sem., Ph.D.	Dr. Manas Khatua	manaskhatua	ML5, A1	
								Dr. Moumita Patra	moumita.patra		
CS 595	Data Visualization Lab			3	3	Compulsory	M. Tech. 2 nd Sem. (Data Science)	Dr. Ranbir Singh	ranbir	ML5	
CS 331	Programming Languages Lab		1	3	5	Departmental Lab Elective	B. Tech. 6 th Sem.	Dr. Benny George K.	ben	ML3, B1	
CS 544	Topics in Networks	3			6	Departmental Elective	B. Tech. 6 th Sem., B. Tech. 8 th Sem., M. Tech. 2 nd Sem., Ph.D.	Dr. Manas Khatua	manaskhatua	A	A
								Dr. Moumita Patra	moumita.patra		
CS 549	Computer and Network Security	3			6	Departmental Elective	B. Tech. 6 th Sem., B. Tech. 8 th Sem., M. Tech. 2 nd Sem., Ph.D.	Prof. Sukumar Nandi	sukumar	B	B
CS 534	Approximation Algorithms	3			6	Departmental Elective	B. Tech. 6 th Sem., B. Tech. 8 th Sem., M. Tech. 2 nd Sem., Ph.D.	Dr. Sushanta Karmakar	sushantak	D1	D1
CS 528	High Performance Computing	3			6	Departmental Elective	B. Tech. 6 th Sem., B. Tech. 8 th Sem., M. Tech. 2 nd Sem., Ph.D.	Dr. Aryabartta Sahu	asahu	C1	C1
CS 506	Hierarchical Memory Algorithms	3			6	Departmental Elective	B. Tech. 6 th Sem., B. Tech. 8 th Sem., M. Tech. 2 nd Sem., Ph.D.	Dr. Benny George K.	ben	B1	B1
CS 529	Topics and Tools in Social Media Data Mining	2		2	6	Departmental Elective	B. Tech. 6 th Sem., B. Tech. 8 th Sem., M. Tech. 2 nd Sem., Ph.D., M. Tech. 2 nd Sem. (Data Science)	Dr. S. Ranbir Singh	ranbir	A1, ML4	A1
CS 508	Optimization Methods	3			6	Open Elective		Dr. Sukanta Bhattacharjee	sukantab	F1	F1
CS 577	C Based VLSI Design	3			6	Open Elective		Dr. Chandan Karfa	ckarfa	--	G