

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	Class Room
CS 101	Introduction to Computing	3	0	0	6	Compulsory	B. Tech. 2 nd Sem.	Prof. S. B. Nair	sbnair			L1 (Div I & III),L3 (Div II & IV)
								Prof. P. K. Das	pkdas			
								Dr. Chandan Karfa	ckarfa			
								Dr. D. Kesh	deepkesh			
CS 110	Computing Lab	0	0	3	3	Compulsory	B. Tech. 2 nd Sem.	Dr. Ashish Anand	anand.ashish			Computer Center
								Prof. D. Goswami	dgoswami			
CS 205	Formal Languages, Automata Theory, and Computation	3	0	0	6	Compulsory	B. Tech. 4th Sem.	Dr. R. Inkulu	rinkulu	A	A	L2
CS 207	Design and Analysis of Algorithms	3	0	0	6	Compulsory	B. Tech. 4th Sem.	Prof. G. Sajith	sajith	B	B	L2
CS 223	Computer Architecture and Organization	3	0	0	6	Compulsory	B. Tech. 4th Sem. (CSE + M&C)	Prof. J. K. Deka	jatin	D	D	L2
								Dr. J. Jose	johnjose			
CS 224	Hardware Lab	0	1	4	6	Compulsory	B. Tech. 4th Sem.	Prof. H. K. Kapoor	hemangee	AL2, E1		5203, Lab
CS 245	Database Management Systems	3	0	0	6	Compulsory	B. Tech. 4th Sem. (CSE + M&C)	Dr. V. V. Saradhi	saradhi	C	C	L2
								Dr. A. Awekar	awekar			
CS 246	Database Management Systems Lab	0	0	4	4	Compulsory	B. Tech. 4th Sem. (CSE + M&C)	Dr. V. V. Saradhi	saradhi	AL1		Lab
								Dr. A. Awekar	awekar			
CS 206M	Datastructures and Algorithms	3	0	0	6	Compulsory	B. Tech. 4th Sem. Minor	Prof. S. V. Rao	svrao	G	G	2102
CS 345	Software Engineering	2	0	0	4	Compulsory	B. Tech. 6 th Sem.	Dr. Samit Bhattacharya	samit	E1	E1	5001
CS 346	Software Engineering Lab	0	0	3	3	Compulsory	B. Tech. 6 th Sem.	Dr. Samit Bhattacharya	samit	ML1		Lab
CS 348	Implementation of Programming Languages Lab	0	2	3	7	Compulsory	B. Tech. 6 th Sem.	Dr. Pinaki Mitra	pinaki	ML2, C1, E1		5001, Lab
CS 361	Machine Learning	3	0	0	6	Compulsory	B. Tech. 6 th Sem.	Dr. Arijit Sur	arijit	D1	D1	L4
CS 350M	Computer Systems	3	0	0	6	Compulsory	B. Tech. 6 th Sem. Minor	Dr. T. Venkatesh	t.venkat	G1	G1	2102
CS 558	Computer Systems Lab	0	1	4	6	Compulsory	M. Tech. 2 nd Sem., Ph.D.	Dr. Manas Khatua	manaskhatua	ML5, A1		5203
								Dr. Moumita Patra	moumita.patra			
CS 595	Data Visualization Lab	0	0	3	3	Compulsory	M. Tech. 2 nd Sem. (Data Science)	Dr. Ranbir Singh	ranbir	ML5		Lab
CS 331	Programming Languages Lab	0	1	3	5	Departmental Lab Elective	B. Tech. 6 th Sem.	Dr. Benny George K.	ben	ML3, B1		5001
CS 544	Topics in Networks	3	0	0	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	5203
								Dr. Moumita Patra	moumita.patra			
CS 549	Computer and Network Security	3	0	0	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	5203
CS 534	Approximation Algorithms	3	0	0	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	5203
CS 528	High Performance Computing	3	0	0	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	L4
CS 506	Hierarchical Memory Algorithms	3	0	0	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	5203
CS 529	Topics and Tools in Social Media Data Mining	2	0	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	5001
CS 508	Optimization Methods	3	0	0	6	Open Elective		Dr. Sukanta Bhattacharjee	sukantab	F1	F1	5201
CS 577	C Based VLSI Design	3	0	0	6	Open Elective		Dr. Chandan Karfa	ckarfa	G	G	5201