

Semester	Course Code	Course Title	Course Credits (L-T-P-C)	Open Elective	Joint Course	Data Science Elective	Course Instructor(s)	Exam Slot	Class Slot	Tutorial Slot	Notes
<b>B. Tech. 3rd Sem</b>	MA 222	Elementary Number Theory and Algebra	3-0-0-6		Yes			F	F		
	MA 225	Probability Theory and Random Processes	3-1-0-8		Yes			C	C	C	
	CS 201	Discrete Mathematics	3-0-0-6				R. Inkuku	A	A		
	CS 203	Algorithms and Data Structures	3-0-0-6				Amit Awekar, Deepanjan Kesh	D	D		
	CS 204	Algorithms and Data Structures Laboratory	0-1-3-5				Amit Awekar, Deepanjan Kesh		AL1, D		
	CS 221	Digital Design	3-0-0-6		Yes		Chandan Karfa, Aryabartta Sahu	B	B		
	CS 242	System Software Lab	0-1-3-5				Pinaki Mitra, Samit Bhattacharya		AL2, A		
	HS200	Sustainable Development Goals	2-0-0-0								
<b>B. Tech. 3rd Sem (Minor)</b>	CS 205M	Theoretical Foundation of Computer Science	3-0-0-6				Diganta Goswami	G	G		
<b>B. Tech. 5th Sem</b>	MA 321	Optimization	3-0-0-6		Yes			D1	D1		
	CS 341	Computer Networks	3-0-0-6		Yes		Moumita Patra	B1	B1		
	CS 342	Computer Networks Laboratory	0-0-4-4		Yes		T. Venkatesh		ML1		
	CS 343	Operating Systems	3-0-0-6		Yes		T. Venkatesh, John Jose	C1	C1		
	CS 344	Operating Systems Laboratory	0-0-4-4		Yes		T. Venkatesh, John Jose		ML2		
	CSxxx	Departmental Elective - I	3-0-0-6								
	HS1xx	HSS Elective - II Level - I	3-0-0-6					A1	A1		
<b>B. Tech. 5th Sem (Minor)</b>	CS 322M	Digital Logic and Computer Architecture	3-0-0-6				Jatindra Kumar Deka	G1	G1		

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<b>B. Tech. 7th Sem</b>	OE4xx	Open Elective	3-0-0-6								
	OExxx / CSxxx	Open Elective / Departmental Elective Courses - V	3-0-0-6								
	CSxxx	Departmental Elective - VI	3-0-0-6								
	CSxxx	Departmental Elective - VII	3-0-0-6								
	CSxxx	Departmental Elective - VIII	3-0-0-6								
	CS498	B. Tech. Project - I	0-0-12-12								
	HS2xx	HSS Elective - I Level - II	3-0-0-6					D	D		
<b>B. Tech. 7th Sem (Minor)</b>	CS 441M	Software Engineering	3-0-0-6				Vijaya Saradhi	G	G		
<b>M. Tech. 1st Sem</b>	CS 512	Design and Analysis of Algorithms	3-0-0-6				Susanta Karmakar	A	A		
	CS 513	Data Structures Lab	0-2-2-6				Pinaki Mitra, Sukanta Bhattacharjee		ML5, E		
	CS 514	Mathematics for Computer Science	3-0-0-6				G. Sajith	C	C		
	CSxxx	Elective - 1	3-0-0-6								
	CSxxx	Elective - 2	3-0-0-6								
<b>M. Tech. 3rd Sem</b>	CS698	Project - I	0-0-24-24								
	MA 579H	Scientific Computing	3-0-0-3					A			
	MA 580H	Matrix Computations	3-0-0-3					A			
	MA 581	Numerical Computations Lab	0-0-3-3						ML3		

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<b>M. Tech. 1st Sem (DS)</b>	MA 589	Statistical Foundations for Data Science	3-0-0-6					B			
	CS 591H	Data Structures and Algorithms	3-0-0-3				Pradip Kr. Das	C			
	CS 592H	Databases	3-0-0-3				Sanasam Ranbir Singh	C			
	CS 593	Data Structures and Databases Lab	0-0-3-3				Sanasam Ranbir Singh		ML2		
	CS 594	Python Programming Lab	0-0-3-3				Benny George, Rashmi Dutta Baruah		ML1		
	XX ddd	Elective - I	3-0-0-6								
<b>Electives</b>	CS 502	Computational Geometry	3-0-0-6				S. V. Rao	C	C		
	CS 503	Randomized Algorithms	3-0-0-6				Benny George	A1	A1		
	CS 527	Parallel Computer Architecture	3-0-0-6				Hemangee K. Kapoor	B1	B1		
	CS 551	Wireless Networks	3-0-0-6				Sukumar Nandi	C1	C1		
	CS 565	Intelligent Systems and Interfaces	3-0-0-6	Yes		Yes	Ashish Anand	F	F		
	CS 566	Speech Processing	3-0-0-6			Yes	Pradip Kumar Das	D1	D1		
	CS 571	Human-Computer Interaction	3-0-0-6				Samit Bhattacharya	F1	F1		
	CS 578	Internet of Things	3-0-0-6				Manas Khatua	E	E		
	CS 590	Deep Learning	3-0-0-6	Yes		Yes	Arijit Sur	F	F		Exclude B. Tech. 3rd year students
	CS591	Formal Modelling and Analysis of Cyber-Physical Systems	3-0-0-6	Yes			Purandar Bhaduri, H. Ramesh	G1	G1		
	CS 666	Mobile Robotics	2-0-2-6				S. B. Nair	B	B, ML5		