

First year				Second year			
Code	Course details	Faculty		Code	Course details	Faculty	Other information
Course code	Course Name Course structure Instructor name(s)			Course code	Course Name Course structure Instructor name(s)		Mention if Minor Mention if compulsory for other major students
IDC 112	Introduction to programming in C/C++ [0 0 3 1]	Dr. Reji + Murshid		DSC 211	Introduction to AI [3003]	Raji	
				DSC 212	Mathematical Foundations for Data Science [3104]	Saptarshi	
				IDC 212	Programming in Python [0 0 3 1]	Dr. Arvind + Asha	

	Third year				
	Code	Course details	Faculty	Other information	
	Course code	Course Name Course structure Instructor name(s)		Mention if Minor Mention if compulsory for other major students	
	DSC 321	Design and Analysis of Algorithms [3 0 0 3]	Dhanyamol	Protected Minor for Batch 23 and PhD Course	
	DSC 322	Applied Regression Analysis [3 0 0 3]	Shyamal	Protected Minor for Batch 24	
	DSC 323	Numerical Analysis [3003]	MATHS	Only for batch 2024	
	DSC 324	Machine Learning-II [3 0 0 3]	Alwin	Open as electives to i2Maths Batch 24 students only	
	DSC 325	Data Science Lab-I [0 0 3 1]	Arvind		
	MAT3202	Mathematical Modelling (2 credit)		DSE	
	MAT3508	Mathematics Lab (1 credit)		DSE	

Fourth year			
Code	Course details	Faculty	Other information
Course code	Course Name Course structure Instructor name(s)		Mention if Minor/Open-elective Mention if compulsory for other major students Mention prerequisites if this is a minor course
DSC 421	Time Series Analysis [3 0 0 3]	New Faculty	Dsc PhD students, Open as electives to i2 Maths Batch 23 students
DSC 422/ DSC 6105	Parallel & Distributed Computing [3 0 0 3]	Suresh	4th year BSMS DSC students, PhD students in DSC
DSC 423	Data Analysis & Visualization [2 0 3 3]	Zakaria	Protected minor for Batch 23 and PhD course
DSC4101/ DSC 6108	Survival Analysis [3 0 0 3]	Priyanka	Elective for Batches 22 and 23 and PhD course
DSC4109/DS C6110	Edge intelligence and Automation	Mainak	Elective for Batches 22 and 23 and PhD course
DSC4110/DS C6111	Modern Cryptography and AI/ML Security & Privacy	Laltu Sardar	Elective for Batches 22 and 23 and PhD course
	NPTEL COURSE	Elective	

Only fifth year				
Code	Faculty	Course details	Other information	
Course code		Course Name Course structure Instructor name(s)		
DSC4109/DS C6109	Edge intelligence and Automation	Mainak	Elective for Batches 22 and 23 and DSC PhD course	Senate Approval Pending
DSC4110/DS C6111	Modern Cryptography and AI/ML Security & Privacy	Lalru Sardar	Elective for Batches 22 and 23 and DSC PhD course	
	NPTEL COURSE	Elective		