M.Sc. Computer Science

Semester	Core Courses (6)	Skill Enhancement Course (4)	Discipline Specific Elective (6)
I	**C-1** Analysis of Algorithms (4+2)	**SEC-1** Advanced Python Programming **(3+1)**	**DSEC-1** Embedded and IOT Technology **(4+2)** **OR** Image Processing and Pattern Recognition **(4+2)**
	C-2 Advanced Networking Concepts (4+2)		
	C-3 Advanced Database Techniques (4+2)		
II	**C-4** Research in Computing (4+2)	**SEC-2** Data visualization using R **(3+1)**	**DSEC-1** Cyber and Information Security-I (Network Security) **(4+2)** **OR** Machine Intelligence-I (Fundamentals of Machine Intelligence) **(4+2)**
	C-5 Business Intelligence and Big Data Analytics-I (Business Intelligence) **(4+2)**		

	C-6 Social Network Analysis (4+2)		
III	**C-7** Business Intelligence and Big Data Analytics –II **(4+2)**	**SEC-3** Natural Language Processing (3+1)	**DSEC-1** Cyber and Information Security-II (Cyber Forensics) **(4+2)** **OR** Machine Learning –II (Advanced Machine Learning) **(4+2)**
	C-8 Cloud Computing (4+2)		
	C-9 Internship (6)		
IV	C-10 Business Intelligence and Big Data Analytics –III **(4+2)**	**SEC-4** Web Mining **(3+1)**	**DSEC-1** Cyber and Information Security- II (Cryptography and Crypt Analysis) **(4+2)** **OR** Machine Learning –III (Computational Intelligence) **(4+2)**
	C-11 Cloud Application Development (4+2)		
	C-12 **Project** **(6)**	.	