Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College, Vashi
(Autonomous)
DEPARTMENT OF DATA SCIENCE
CBCS - SYSTEM

M.Sc. DataScience

Semester	Core Courses (6 Credits)	Skill Enhancement Course (4 Credits)	Discipline Specific Elective (6 Credits)
I	**C-1** Advance Database Technologies (4+2)	**SEC-1** Data visualization using R (3+1)	**DSEC-1** Data Warehousing & Mining (4+2) **OR** Data Structure with Python (4+2)
	C-2 Descriptive Statistics and Probability (4+2)		
	C-3 Applied Linear Algebra (4+2)		
II	**C-4** Research in Computing (4+2)	**SEC-2** Advanced Python Programming (3+1)	**DSEC-2** Big Data Analytics (4+2) **OR** Optimization Techniques (4+2)
	C-5 Analysis of Algorithms (4+2)		

	C-6 Statistical Inference (4+2)		
III	**C-7** Machine Learning (4+2)	**SEC-3** Advanced Statistical Learning (3+1)	**DSEC-3** Soft Computing (4+2) **OR** Artificial Intelligence (4+2)
	C-8 Data Modeling and Visualization (4+2)		
	C-9 Internship (4+2)		
IV	**C-10** Deep Learning (4+2)	**SEC-4** Web Intelligence (3+1)	**DSEC-4** Data Science for Cyber Security (4+2) **OR** Data Science Applications of Vision (4+2)
	C-11 Natural Language Processing (4+2)	.	
	C-12 Project		