Annexure I:

Semesters	Subjects	Category	Structure (L-T-P)	Credit
Semester-1	Python for Data Science & Essentials of Programming	Core	3-0-0	3
	Statistical Foundation for Machine Learning	Core	3-0-0	3
	Artificial and Computational Intelligence	Core	3-0-0	3
	Pattern Recognition	Core	3-0-0	3
Total			12-0-0	12
Semester-2	Image and Video Processing	Core	3-0-0	3
	Machine Learning	Core	3-0-0	3
	Deep Learning	Core	3-0-0	3
	Elective-1	Elective	3-0-0	3
Total			12-0-0	12
Semester-3	Elective-2	Elective	3-0-0	3
	Elective-3	Elective	3-0-0	3
	Dissertation-I	Core	0-0-20	10
Total			6-0-20	16
Semester-4	Dissertation-II	Core	0-0-30	15
Total			0-0-15	15
Grand Total				**55**

Possible Electives (3-0-0):

Data Wrangling with SQL
Data Visualization and Interpretation - PowerBI
Data Mining
Optimization Methods

Big Data Engineering
Internet of Things
Speech and Audio Processing
Computer Vision
Digital Signal Processing
Artificial Intelligence for Biomedicals
Soft Computing
Fuzzy logic
Neural Processing
Granular Computing
Multi-core and cloud computing
Data Structures and Algorithms
Machine Learning with Signal Processing