JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY
DEPARTMENT OF COMPUTER APPLICATIONS
M.Sc. DATA & BUSINESS ANALYTICS

S. No.	Course Work -Subject Area	Break Down of Credits
1	Data and Business Analytics Core	19
2	Data and Business Analytics Electives	12
3	Skill Enhancement Core	27
4	Value Added Core	2
5	Capstone Project /Dissertation	20
	Total Credit	**80**

Course Curriculum Semester Wise

Course Codes	Courses	L	T	P	Credits	Type
SEMESTER I						
25M31CA111	Business Analytics using R	2	0	0	2	SEC
25M35CA111	Business Analytics using R (Lab)	0	0	2	2	SEC
25M31CA112	Business Statistics using Excel	2	0	0	2	SEC
25M35CA112	Business Statistics using Excel (Lab)	0	0	2	2	SEC
25M31CA113	Data Mining Tools & Techniques	3	1	0	4	PCC
25M31CA114	Design Thinking and Innovation	2	0	0	2	PCC
25M31CA115	Business Communication	3	0	0	3	SEC
25M31CA116	Introduction to Data Science	3	0	0	3	PCC
	Total Credits				**20**	
Semester II						
XXXXXXXXX	Research Methods in Business	3	1	0	4	PCC
XXXXXXXXX	Big Data and Data Visualization	1	0	0	1	SEC
XXXXXXXXX	Big Data and Data Visualization (Lab)	0	0	2	2	SEC
XXXXXXXXX	Data Management using SQL	2	0	0	2	SEC
XXXXXXXXX	Data Management using SQL (Lab)	0	0	2	2	SEC
XXXXXXXXX	Digital Technology and Strategic Management	3	0	0	3	PCC
XXXXXXXXX	Elective 1	3	0	0	3	PEC
XXXXXXXXX	Elective 2	3	0	0	3	PEC
	Total Credits				**20**	

Semester III						
Course Codes	Courses	L	T	P	Credits	
XXXXXXXXX	Data Analytics using Python	2	0	0	2	SEC
XXXXXXXXX	Data Analytics using Python (Lab)	0	0	1	1	SEC
XXXXXXXXX	Predictive Analytics	2	1	0	3	PCC
XXXXXXXXX	Employability Skills	2	0	0	2	VAC
XXXXXXXXX	Elective 3	3	0	0	3	PEC
XXXXXXXXX	Elective 4	3	0	0	3	PEC
XXXXXXXXX	Corporate Internship				6	SEC
	Total Credits				**20**	
Semester IV						
Course Codes	Courses	L	T	P	Credits	
XXXXXXXXX	Capstone Project/Dissertation	0	0	0	12	Project
XXXXXXXXX	Term Paper	0	0	0	8	
	Total Credits				**20**	
	Total Program Credits				**80**	

List of Electives

- Marketing Analytics
- Big Data Analytics
- Financial Modeling
- Investment Banking Analytics

- Supply Chain Analytics
- HR Analytics
- Text Analytics
- Financial Management