



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
(DATA SCIENCE)
B.Tech Course Structure (R25 Regulations)**

II B.Tech (I Sem)

Branch / Specialization: CSE(DS)

S.No.	Course Code	Name of the Course	Contact Hours per Week			Credits
			L	T	P	
1	R25MA301	Mathematical and Statistical Foundations	3	0	0	3
2	R25DS302	Computer Organization and Architecture	3	0	0	3
3	R25DS303	Object Oriented Programming through java	3	0	0	3
4	R25DS304	Software Engineering	3	0	0	3
5	R25DS305	Database Management System	3	0	0	3
6	R25VA306	Indian Knowledge System	1	0	0	1
7	R25MA307	Computational Mathematics Lab	0	0	2	1
8	R25DS308	Object Oriented Programming through Java Lab	0	0	2	1
9	R25DS309	Software Engineering Lab	0	0	2	1
10	R25DS310	Database Management Systems Lab	0	0	2	1
11	R25DS311	Node JS/React JS/Django	0	0	2	1
Total Credits			16	0	10	21

L: Lecture Hour

T: Tutorial Hour

P: Lab/Practice Hour

II B.Tech(II Sem)

Branch/Specialization: CSE(DS)

S.No.	Course Code	Name of the Course	Contact Hours per Week			Credits
			L	T	P	
1	R25DS401	Discrete Mathematics	3	0	0	3
2	R25DS402	Operating Systems	3	0	0	3
3	R25DS403	Algorithms Design and Analysis	3	0	0	3
4	R25DS404	Computer Networks	3	0	0	3
5	R25DS405	Machine Learning	3	0	0	3
6	R25MS406	Innovation and Entrepreneurship	2	0	0	2
7	R25DS407	Operating Systems Lab	0	0	2	1
8	R25DS408	Computer Networks lab	0	0	2	1
9	R25DS409	Machine Learning Lab	0	0	2	1
10	R25DS410	Visualization- R Programming/Python/ Power BI	0	0	2	1
Total Credits			17	0	8	21

L: Lecture Hour

T: Tutorial Hour

P: Lab/Practice Hour