

COURSE STRUCTURE

First Year M. Tech Data Science - AUTUMN SEMESTER															
Course Code	Course Name	Course Type	Teaching Scheme(Hrs./week)			Examination Scheme						Credits			
			L	P	ODL	CIE	ETE	TW	PR	OR	Total	L	P	ODL	Total
M24IT101	Mathematics for Data Analytics	PCC	4	-	-	50	50	-	-	-	100	4	-	-	4
M24IT102	Research Methodology	PCC	4	-	-	50	50	-	-	-	100	4	-	-	4
M24IT103	Applied Data Science	PCC	4	-	-	50	50	-	-	-	100	4	-	-	4
M24IT104	Elective - I	PEC	-	-	4	100	-	-	-	-	100	-	-	4	4
M24IT105	Program Core Lab I	PCC	-	4		-	-	25	-	25	50	-	2	-	2
M24IT106	Program Elective Lab I	PEC, Research based	-	4		-	-	25	-	25	50	-	2	-	2
Total			12	8	4	250	150	50	-	50	500	12	4	4	20

M24IT104 Elective -I Domain			
A	Data Analytics for healthcare/ Industry 4.0/Finance etc.	B	Data Mining & Warehousing
C	Cloud Computing / Devops	D	Soft Computing

Abbreviations:

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|---------------------------|---------------------|------------------------------------|------------------------------|
| L- Lecture | P- Practical | CIE-Continuous Internal Evaluation | |
| ETE- End Term Examination | TW- Term work | PR- Practical | OR- Oral |
| L : 1 Hr.= 1 credit | P: 2 Hr. = 1 Credit | T: 1 Hr. = 1 Credit | ODL - Open Distance Learning |

First Year M. Tech Data Science - SPRING SEMESTER															
Course Code	Course Name	Course Type	Teaching Scheme(Hrs./week)			Examination Scheme						Credits			
			L	P	ODL	CIE	ETE	TW	PR	OR	Total	L	P	ODL	Total
M24IT201	Blockchain Technology	PCC	4	-		50	50	-	-	-	100	4	-	-	4
M24IT202	Artificial Intelligence	PCC	4	-		50	50	-	-	-	100	4	-	-	4
M24IT203	Big Data Analytics and Visualization	PCC	4	-		50	50	-	-	-	100	4	-	-	4
M24IT204	Elective – II	PEC		-	4	100	-	-	-	-	100	-	-	4	4
M24IT205	Program Core Lab II	PCC	-	4		-	-	25	-	25	50	-	2	-	2
M24IT206	Program Elective	PEC, Research based	-	4		-	-	25	-	25	50	-	2	-	2
Total			12	8	4	250	150	50	-	50	500	12	4	4	20

M24IT204 Elective -II Domain			
A	Web Intelligence	B	Computer Vision
C	Data Security	D	Large Language Models

Abbreviations:

L- Lecture

P- Practical

CIE-Continuous Internal Evaluation

ETE- End Term Examination

TW- Term work

PR- Practical

OR- Oral

L : 1 Hr.= 1 credit

P: 2 Hr. = 1 Credit

T: 1 Hr. = 1 Credit

ODL - Open Distance Learning