

Curricula of M. Tech (AI & DS) Programme – 2 Year Program 2025 Onwards Curricula

FIRST SEMESTER

S. No.	Course		Contact Hours				Credits
	Course Code	Course Title	L	T	P	Total	
1	XXXXXXXX	Fundamental of Artificial Intelligence	3	0	0	3	3
2	XXXXXXXX	Fundamental of Data Science	3	0	0	3	3
3	XXXXXXXX	Elective–I	3	0	0	3	3
4	XXXXXXXX	Elective–II	3	0	0	3	3
5	XXXXXXXX	Research Methodology and Intellectual Property Rights	2	0	0	2	2
6	XXXXXXXX	Artificial Intelligence Lab	0	0	2	2	1
7	XXXXXXXX	Data Science Lab	0	0	2	2	1
8	XXXXXXXX	Advanced Data Structures and Programming Lab	0	0	2	2	1
TOTAL						20	17

SECOND SEMESTER

S. No.	Course		Contact Hours				Credits
	Course Code	Course Title	L	T	P	Total	
1	XXXXXXXX	Soft Computing	3	0	0	3	3
2	XXXXXXXX	Big Data Analytics	3	0	0	3	3
3	XXXXXXXX	Elective–III	3	0	0	3	3
4	XXXXXXXX	Elective–IV	3	0	0	3	3
5	XXXXXXXX	Elective–V	3	0	0	3	3
6	XXXXXXXX	Audit-I (To be offered by HSS Dept)	2	0	0	2	Qualify ing
7	XXXXXXXX	Project Based Learning-I	0	0	4	4	2
8	XXXXXXXX	Soft Computing Lab	0	0	2	2	1
9	XXXXXXXX	Performance Engineering Lab	0	0	2	2	1
10	XXXXXXXX	Big Data using Hadoop Lab	0	0	2	2	1
TOTAL						27	20

THIRD SEMESTER

S. No.	Course		Contact Hours				Credits
	Course Code	Course Title	L	T	P	Total	
1	XXXXXXX	Open Elective	3	0	0	3	3
2	XXXXXXX	Seminar & Term Paper OR Earn credits by transfer, e.g., MOOCs, Course Work at another Institute, Supervised Study				4	4
3	XXXXXXX	Project Based Learning-II				8	4
4	XXXXXXX	Dissertation /Industrial Project/Entrepreneurial Project				8	4
5	XXXXXXX	Audit-II (To be offered by HSS Dept)	2	0	0	2	Qualifying
TOTAL						25	15

FOURTH SEMESTER

S. No.	Course		Contact Hours				Credits
	Course Code	Course Title	L	T	P	Total	
1	XXXXXXX	Dissertation / Industrial Project / Entrepreneurial Project				32	16
TOTAL						32	16

Total Credits: 68 (17+20+15+16)

Tentative list of MTech (AI & DS) Electives (To be updated time to time)

Meta Heuristics Modeling

Advanced Programming using R and Python

Introduction to Statistical Learning

Natural Language Processing

Reinforcement Learning

Text Analytics

Essential Statistics for Data Science

Deep Learning

Cognitive Systems

Data Visualization