LNMIIT
The LNM Institute of Information Technology

The LNM Institute of Information Technology, Jaipur

(Deemed-to-be-University)
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M. Tech. in Computer Science & Engineering

1st Semester:

S. No.		Course Description	Type	L	T	P	Credits
1		Advanced Data Structures & Algorithms	PC	3	0	2	4
2		Mathematical Structures for Engineers	PC	3	0	0	3
3		Program Elective 1++	PE	3	0	0	3
4		Program Elective 2++	PE	3	0	0	3
5		Program Elective 3	PE	3	0	0	3
				Total Credits = 16			

2nd Semester:

S. No.		Course Description	Type	L	T	P	Credits
1		Machine Learning & Pattern Recognition	PC	3	0	2	4
2		Technical Writing and Research Methodology	PC	4	0	0	4
3		Program Elective – 4##	PE	3	0	0	3
4		Program Elective – 5##	PE	3	0	0	3
5		Program Elective – 6	PE	3	0	0	3
				Total Credits = 17			

3rd Semester:

S. No.		Course Description	Type	L	T	P	Credits
1		M. Tech. Thesis I	PC	0	0	18	9
2		Program Elective – 7	PE	3	0	0	3
3		Open Elective	OE	3	0	0	3
				Total Credits = 15			

4th Semester:

S. No.		Course Description	Type	L	T	P	Credits
1		M. Tech. Thesis II	PC	0	0	36	18
				Total Credits = 18			

Total Credits	**66**

++ Courses only from Bucket 1

Courses only from Bucket 2

Program Electives 3, 6, 7 from Bucket 3

Tentative List of Program Electives:

Bucket 1

1. Information Retrieval & Web Search
2. Introduction to Data Science
3. Data Mining
4. Artificial Intelligence

Bucket 2

1. Image Processing & Applications
2. Natural Language Processing
3. Social Network Analysis
4. Recommender Systems
5. Biomedical Engineering

Bucket 3

1. Optimization Techniques
2. Applied Cryptography
3. Real Time Systems
4. Information Security
5. Cyber Security
6. Wireless Sensor Network
7. Internet of Things
8. Deep Learning
9. Principles of Evolutionary Computing
10. Information & Coding Theory