

The LNM Institute of Information Technology, Jaipur (Deemed-to-be-University)

Gram – Rupa Ki Nangal, Post – Sumel, Via – Jamdoli, Jaipur – 302031, Rajasthan Tel: +91-141-5191741, 5191757, Fax: +91-141-5189214, 2689014 E-mail: info.lnmiit@lnmiit.ac.in, Website: www.lnmiit.ac.in

M. Tech. in Computer Science & Engineering

1st Semester:

S. No.	Course Description	Туре	L	Τ	Р	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	Туре	L	Т	Р	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	Туре	L	Т	Р	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	Туре	L	Т	Р	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