The LNM Institute of Information Technology, Jaipur
(Deemed-to-be-University)
Gram – Rupa Ki Nangal, Post – Sumel, Via – Jamdoli, Jaipur – 302031,
Tel: +91-141-5191741, 5191757, Fax: +91-141-5189214, 2689014
E-mail: info.lnmiit@lnmiit.ac.in, Website: www.lnmiit.ac.in

Curriculum Y23 Onwards
B. Tech. in Computer Science and Engineering

CSE							

1st Semester:

S. No.	CCODE	Course Name	Type	L	T	P	Credits
1	PH111	Classical Physics	BSC	3	1	0	4
2	MT111	Calculus and Ordinary Differential Equations	BSC	3	1	0	4
3	EC111	Basic Electronics	ESC	3	1	0	4
4	EC111L	Basic Electronics Lab	ESC	0	0	3	1.5
5	CS111	Programming for Problem Solving	ESC	3	0	3	4.5
6	HS111	Technical Communication in English	HSMC	2	0	2	3
7	HS112	Indian Knowledge System	MC	1	0	0	1
A 3-week Mandatory Induction Program							
						Total Credits	**22**

2nd Semester:

S. No.	CCODE	Course Name	Type	L	T	P	Credits
1	HS121	Human Values and Ethics	HSMC	3	0	0	3
2	ME121	Environmental Science	MC	1	0	0	1
3	MT121	Linear Algebra and Complex Analysis	BSC	3	1	0	4
4	CS121	Data Structures and Algorithms	ESC	3	0	3	4.5
5	PH121L	UG Physics Laboratory	BSC	0	0	3	1.5
6	CS122	Introduction to Scripting Languages	ESC	0	0	2	1
7	CS123	Digital Systems	PC	3	0	2	4
8	CS124	Discrete Mathematics	PC	3	0	0	3
						Total Credits	**22**

Summer Term

Exit option with UG Certificate by Completing 40 credits from 2 semesters and additional 6 credits from an Internship or skill based courses in the summer term

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3rd Semester:							
S. No.	**CCODE**	**Course Name**	**Type**	**L**	**T**	**P**	**Credits**
1	MT211	Probability and Statistics	BSC	3	1	0	4
2	EC211	Signals and Systems	PC	3	0	0	3
3	CS211	Computer Organization and Architecture	PC	3	0	2	4
4	CS213	Database Management Systems	PC	3	0	2	4
5	CS214	Object Oriented Programming	PC	3	0	2	4
6	CS215	Design and Analysis of Algorithms	PC	3	0	2	4
7							
8							
						Total Credits	**23**

4th Semester:							
S. No.	**CCODE**	**Course Name**	**Type**	**L**	**T**	**P**	**Credits**
1	HS221	Constitutional Studies	MC	1	0	0	1
2	HS222	Principles of Management	HSMC	3	0	0	3
3	CS221	Web Programming	PC	0	0	2	1
4	CS222	Theory of Computation	PC	3	0	0	3
5	CS223	Operating Systems	PC	3	0	2	4
6	CS224	Computer Networks	PC	3	0	2	4
7	CS225	Data Science	PC	3	0	0	3
8		Program Elective 1	PE	3	0	0	3
						Total Credits	**22**

Summer Term
Exit option with UG Diploma by Completing 80 credits from 4 semesters and additional 6 credits from an Internship or skill based courses in the summer term

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\multicolumn{8}{c}{**5th Semester:**}							
S. No.	**CCODE**	**Course Name**	**Type**	**L**	**T**	**P**	**Credits**
1	LN311/LN312	Summer Internship/Project	Project	0	0	8	4
2	HS311	Psychology, Technology & Society	HSMC	3	0	0	3
3	CS311	Software Engineering	PC	3	0	0	3
4	CS312	Artificial Intelligence	PC	3	0	2	4
5	CS313	Computer System Security	PC	3	0	2	4
6	CS314	Software Development Lab	PC	0	0	2	1
7		Program Elective 2	PE	3	0	0	3
						Total Credits	**22**

**6th Semester:**							
S. No.	**CCODE**	**Course Name**	**Type**	**L**	**T**	**P**	**Credits**
1	LN321	B.Tech. Project (BTP)	Project	0	0	8	4
2	HS321	Introduction to Economics	HSMC	3	0	0	3
3	LN322	Seminar and Presentation Skills	Project	0	0	2	1
4	MT321	Numerical Analysis and Scientific Computing	BSC	3	1	0	4
5		Program Elective 3	PE	3	0	0	3
6		Program Elective 4	PE	3	0	0	3
7		Open Elective 1	OE	3	0	0	3
						Total Credits	**21**

Summer Term
Exit option with B.Sc. by Completing 120 credits from 6 semesters and addional 6 credits from an Internship or skill based courses in the summer term

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7th Semester:							
S. No.	CCODE	Course Name	Type	L	T	P	Credits
1	LN411	B.Tech. Project (BTP)	Project	0	0	8	4
2		Program Elective 5	PE	3	0	0	3
3		Program Elective 6	PE	3	0	0	3
4		Open Elective 2	OE	3	0	0	3
5		Open Elective 3	OE	3	0	0	3
					Total Credits		16

8th Semester:							
S. No.	CCODE	Course Name	Type	L	T	P	Credits
Option 1	LN421	Industrial SLI	Project	0	0	24	12
Option 2	LN422	Thesis	Project	0	0	24	12
Option 3		4 Elective Courses	OE/PE	12	0	0	12
Option 4	LN423	Project	Project	0	0	12	6
		2 Elective Courses	OE/PE	6	0	0	6
Option 5	LN424	Internship	Project	0	0	12	6
		2 Elective Courses	OE/PE	6	0	0	6
					Total Credits		12

Total Curriculum Credits	160