

Department of CS&E and IT, IIIT Noida

2026 onwards Curriculum for M. Tech. in Computer Science & Engineering

Category – OEC: Open Subjects–Electives, OMC: Mandatory Courses, PCC: Professional Core Courses, PEC: Professional Elective Courses Relevant to Chosen Specialization/Branch, PRC: Project Work, Seminar & Internship

First Semester

S. No	Course			Contact Hours				Credits
	Category	Course Code	Course Title	L	T	P	Total	
1	PCC	17M11CS111	Data Structures and Algorithms for Big Data	3	0	0	3	3
2	PCC	17M11CS112	Machine Learning and Data Mining	3	0	0	3	3
3	PCC	XXXXXXX	High Performance Computing	3	0	0	3	3
4	PCC	17M15CS111	Advanced Algorithms Lab	0	0	2	2	1
5	PCC	17M15CS112	Machine Learning and Data Mining Lab	0	0	2	2	1
6	PCC	XXXXXXX	High Performance Computing Lab	0	0	2	2	1
7	PEC	XXXXXXX	Elective – I	3	0	0	3	3
8	PEC	XXXXXXX	Elective – II	3	0	0	3	3
9	OMC	18M11GE111	Research Methodology and Intellectual Property Rights	2	0	0	2	2
Total							23	20

Second Semester

S. No	Course			Contact Hours				Credits
	Category	Course Code	Course Title	L	T	P	Total	
1	PCC	17M11CS121	Cloud and Web Services Software Engineering	3	0	0	3	3
2	PCC	17M11CS122	Performance Evaluation of Computing Systems	3	0	0	3	3
3	PCC	XXXXXXX	Generative and Agentic AI	3	0	0	3	3
4	PCC	17M15CS121	Cloud and Web Services Lab	0	0	2	2	1
5	PCC	XXXXXXX	Generative and Agentic AI Lab	0	0	2	2	1
6	PCC	17M15CS123	IOT Systems Development Lab	0	0	2	2	1
7	PEC	XXXXXXX	Elective – III	3	0	0	3	3
8	PEC	XXXXXXX	Elective – IV	3	0	0	3	3
9	PRC	17M17CS111	Project Based Learning-I (Open Source Software Development)	0	0	4	4	2
10	OMC	XXXXXXX	Audit-I (To be offered by HSS Dept)	2	0	0	2	Qualifying
Total							27	20

Third Semester

S. No	Course			Contact Hours				Credits
	Category	Course Code	Course Title	L	T	P	Total	
1	PEC	XXXXXXX	Elective – V	3	0	0	3	3
2	OEC	XXXXXXX	Open Elective – 1	3	0	0	3	3
3	PRC	XXXXXXX	Project Based Learning-II (Software Development Automation)	0	0	10	10	5
4	PRC	XXXXXXX	Seminar & Term Paper OR Earn credits by transfer (MOOCs, Course Work at another Institute, Supervised Study)	0	0	0	6	6
5	PRC	17M17CS213/ 17M17CS214/ 17M17CS215	Dissertation / Industrial Project / Entrepreneurial Project	0	0	0	8	4
6	OMC	XXXXXXX	Audit-II (To be offered by HSS Dept)	2	0	0	2	Qualifying
Total							32	21

Fourth Semester

S. No	Course			Contact Hours				Credits
	Category	Course Code	Course Title	L	T	P	Total	
1	OEC	XXXXXXX	M. Tech. Open Elective	3	0	0	3	3
2	PRC	17M17CS223/ 17M17CS224/ 17M17CS225	Dissertation / Industrial Project / Entrepreneurial Project	0	0	0	32	16
Total							35	19

Total Credits = 20 (1st Semester) + 20 (2nd Semester) + 21 (3rd Semester) + 19 (4th Semester) = 80

General Statistics

Semester	Subject Count; Total Hours; and Total Credits
First	Subject Count = 9; Total Weekly Hours = 23; and Total Credits = 20
Second	Subject Count = 10; Total Weekly Hours = 27; and Total Credits = 20
Third	Subject Count = 6; Total Weekly Hours = 32; and Total Credits = 21
Fourth	Subject Count = 2; Total Weekly Hours = 35; and Total Credits = 19
Total	Subject Count = 27; Total Weekly Hours = 117; and Total Credits = 80

Category	Subject Count; Total Hours; and Total Credits
OEC	Subject Count = 2; Total Weekly Hours = 6; and Total Credits = 6
OMC	Subject Count = 3; Total Weekly Hours = 6; and Total Credits = 2
PCC	Subject Count = 12; Total Weekly Hours = 30; and Total Credits = 24
PEC	Subject Count = 5; Total Weekly Hours = 15; and Total Credits = 15
PRC	Subject Count = 5; Total Weekly Hours = 60; and Total Credits = 33