

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY, NOIDA

MOOC Courses for Even Sem 2025

S.No	Course name	NPTEL code	JIIT Course Code	Credits	Type (DE/OE/SE/HSS-E)	Level (UG/PG)	Semester/Program	Backlog (Y/N)
DEPARTMENT OF CSE / IT								
1	Programming in Java	noc24_cs105	20B14CS313	3	DE1	UG	B.tech V sem	N
2	Advanced Distributed Systems	noc24_cs99	24B14CS361	3	DE2	UG/PG	B.Tech VI sem	Y
3	Programming In Java	noc25-cs57	20B14CS313	3	DE2	UG	B.Tech VI sem	N
4	Natural Language Processing	noc25-cs51	24B14CS460	3	DE2	UG/PG	B.Tech VI sem	N
5	Cloud Computing	noc24_cs118	21B14CS511	3	DE3	UG	B.Tech VI sem	Y
6	Blockchain and its Applications	noc25-cs08	23B14CS451	3	DE3	UG/PG	B.Tech VI sem	N
7	Deep Learning - IIT Ropar	noc24_cs114	24B14CS484	3	DE4	UG/PG	B.tech VII sem	N
8	Introduction to Internet of Things	noc24_cs115	24B14CS485	3	DE4	UG/PG	B.tech VII sem	N
9	Responsible & Safe AI Systems	noc24_cs132	24B14CS486	3	DE5	UG/PG	B.tech VII sem	N
10	Ethical Hacking	noc24-cs94	24B14CS487	3	DE5	UG/PG	B.tech VII sem	N
11	Social Network Analysis	noc24_cs90	24B14CS478	3	DE6	UG/PG	B.tech VII sem	N
12	Social Networks	noc24_cs120	18B14CS411	3	DE7	UG	B.Tech VIII sem	Y
13	Embedded Systems Design	noc25-cs30	24B14CS452	3	DE7	UG	B.Tech VIII sem	N
14	Affective Computing	noc25-cs04	24B14CS451	3	DE7	UG/PG	B.Tech VIII sem	N
15	Reinforcement Learning	noc24_cs102	24B14CS454	3	DE8	UG/PG	B.Tech VIII sem	Y
16	Foundation of Cyber Physical Systems	noc25-cs32	24B14CS453	3	DE8	UG/PG	B.Tech VIII sem	N
17	Cryptography and Network Security	noc25-cs16	25B14CS481	3	DE8	UG/PG	B.Tech VIII sem	N
18	Deep Learning for Natural Language Processing	noc25-cs22	25M14CS144	3	M.Tech Elective -3	UG/PG	M tech II sem / Integrated 8	N
19	Foundations of Cryptography	noc25-cs31	25M14CS147	3	M.Tech Elective -3	UG/PG	M tech II sem / Integrated 8	N
20	Business Intelligence & Analytics	noc25-cs09	25M14CS145	3	M.Tech Elective -4	UG/PG	M tech II sem / Integrated 8	N

S.No	Course name	NPTEL code	JIT Course Code	Credits	Type (DE/OE/SE/HSS-E)	Level (UG/PG)	Semester/Program	Backlog (Y/N)
21	Data Analytics with Python	noc25-cs17	25M14CS146	3	M.Tech Elective -4	UG/PG	M tech II sem / Integrated 8	N
22	Fundamentals of Object Oriented Programming	noc25-cs34	25M14CS148	3	M.Tech Elective -5	UG/PG	M tech II sem / Integrated 8	N
23	Games and Information	noc25-cs35	25M14CS149	3	M.Tech Elective -5	UG/PG	M tech II sem / Integrated 8	N
24	Introduction To Machine Learning - IITKGP	noc24_cs81	24B14CS250	2	Minor Specialization AI&ML, DA, Cyber	UG/PG	B.Tech III sem	N
25	Practical CyberSecurity for CyberSecurityPractitioners	noc24_cs85	24B14CS361	3	MTech Elective-1	PG	Integrated X sem, PhD	N
26	DistributedOptimization andMachine Learning	noc24_cs86	24M14CS140	3	MTech Elective-1	PG	Integrated X sem, PhD	N
27	Software Testing	noc24_cs91	24M14CS141	3	MTech Elective-2	PG	Integrated X sem, PhD	N
28	Deep Learning for Computer Vision	noc24_cs89	24M14CS142	3	MTech Elective-2	PG	Integrated X sem, PhD	N
29	Programming in Modern C++	noc25-cs58	25B14CS362	3	OE1	UG/PG	B.Tech VI sem	N
30	Machine Learning for Engineering and science applications	noc25-cs49	25B14CS482	3	OE2	UG/PG	B.Tech VIII sem	N
31	Linear programming and its applications to computer sci	noc24_cs03	24B14CS248	2	value added (6 sem)	UG/PG	B.Tech VI sem	N
32	Probability for Computer Science	noc24_cs62	24B14CS249	2	value added (6 sem)	UG/PG	B.Tech VI sem	N

DEPARTMENT OF ECE

1	OPTICAL WIRELESS COMMUNICATIONS FOR BEYOND 5G NETWORKS AND IOT	noc25-ee59	24B14EC413	3	DE-7, DE-2	UG/PG	VIII, VI	N
2	RF AND MICROWAVE NETWORKS	noc25-ee72	24B14EC415	3	DE-8, DE-3	UG/PG	VIII, VI	N
3	Biomedical Signal processing	noc25-ee09	25B14EC411	3	DE-7, DE-2	UG/PG	VIII, VI	N
4	INTEGRATED CIRCUITS, MOSFETS, OP-AMPS AND THEIR APPLICATIONS	noc25-ee44	25B14EC412	3	DE-8, DE-3, Ph.D	UG/PG	VIII, VI	N
5	Introduction To Industry 4.0 And Industrial Internet Of Things	noc25-cs43	24M14CS132	3	Ph.D	UG/PG	II	N

DEPARTMENT OF BIOTECHNOLOGY

1	Rural Water Resources Management	noc25-ge31	24B14BT313	3	DE-2	UG	Btech-VI	N
2	Enzyme Sciences and Technology	noc25-bt19	24B14BT314	3	DE-2	UG	Btech-VI	N
3	Environmental Chemistry and Microbiology	noc25-bt18	24B14BT315	3	DE-3	UG	Btech-VI	N
4	Structural Biology	noc25-bt41	24B14BT411	3	DE-7	UG	Btech-VIII	N

S.No	Course name	NPTEL code	JIT Course Code	Credits	Type (DE/OE/SE/HSS-E)	Level (UG/PG)	Semester/Program	Backlog (Y/N)
5	Biomass Conversion and Biorefinery	noc25-ch09	24B14BT413	3	DE-8	UG	Btech-VIII	N
6	BioInformatics: Algorithms and Applications	noc25-bt06	23B14BT411	3	OE	UG	Btech-VIII - for ECE, CS/IT	N
7	Interactomics: Basics & Applications	noc25-bt24	24M24BT213	3	DE-4	PG	Mtech (II) & Int. (VIII)	N
8	Pharmacognosy & Metabolic Engineering	noc25-bt38	24M24BT214	3	DE-5	PG	Mtech (II) & Int. (VIII)	N
9	Food Science and Technology	noc25-ag04	24M14BT113	3	DE-5	PG	Mtech (II) & Int. (VIII)	N
10	Pharmacognosy & Metabolic Engineering	noc25-bt38	24M24BT214	3	DE-1	PG	MSc Micro-II	N
11	Comprehensive Molecular Diagnostics and Advanced Gene Expression Analysis	noc25-ge07	24M24BT221	3	DE-5	PG	MSc Micro-IV	N
12	Computational Systems Biology	noc25-bt14	24M24BT222	3	DE-5	PG	MSc Micro-IV	N
13	RNA Biology	noc25-bt40	24M34BT114	3	DE-1	PG	MSc Env Biotech II	N
14	Environmental Quality Monitoring & Analysis	noc25-ch24	24M24BT211	3	DE-5	PG	MSc Env Biotech II	N
15	Computational Systems Biology	noc25-bt14	24M24BT222	3	DE-5	PG	MSc Env Biotech II	N
16	Microsensors, Implantable Devices and Rodent Surgeries for Biomedical Applications	noc25-bt34	25B14BT311	3	OE	UG	Btech-VI	N
17	Biointerface Engineering	noc25-bt07	25B14BT312	2	Value Added	UG	Btech-VI	N

S.No	Course name	NPTEL code	JIT Course Code	Credits	Type (DE/OE/SE/HSS-E)	Level (UG/PG)	Semester/Program	Backlog (Y/N)
DEPARTMENT OF PMSE								
1	Plasma Physics and Applications	NOC24-PH20	24B14PH411	3	OE-3	B. Tech.	VIII	N
2	Fundamentals of semiconductor devices	NOC25-EE39	24B14PH313		OE-1	B. Tech.	VI	N
3	Basics of Semiconductor Microwave Devices	25-EE08	24M24PH111	3	DE-1	MSc	II	N
4	Optical Fiber Sensors	25-EE58	24B24PH112	3	Special Paper-2	MSc	IV	N
DEPARTMENT OF MATHS								
1	Applied Linear Algebra in AI and ML	noc25-ma11	24B14MA317	3	OE-1	UG/PG	Btech-VI	N
2	Introduction To Queueing Theory	noc25-ma34	24B14MA415	3	OE-3	UG/PG	Btech-VIII	N
3	Dynamical System and Control	noc25-ma18	24M24MA212	3	DE	UG/PG	M.Sc-II	N
4	Soft Computing Techniques	noc25-ma54	24M24MA213	3	DE	PG	M.Sc-IV	N
5	Numerical Linear Algebra	noc25-ma42	24B24MA211	3	Minor-4	UG/PG	B.Sc-IV	N
6	Scientific Computing using Matlab	noc25-ma51	24B24MA311	3	Minor-6	UG/PG	B.Sc-VI	N
DEPARTMENT OF COMPUTER APPLICATION								
1	Cloud Computing and Distributed Systems	noc25-cs12	25M14CA112	3	Elective-I	UG/PG	II/MCA	N
	Major Choice 1							
2	Artificial Intelligence: Knowledge Representation And Reasoning	noc25-cs07	25B14CA111	3	Major Choice 1	UG/PG	IV/BCA	N
3	Data Analytics with Python	noc25-cs17	25M14CS146		Major Choice 1	UG/PG/PhD	IV/BCA	N
	Major Choice 2							
4	Foundations of Cryptography	noc25-cs31	25M14CS147	3	Major Choice 2	UG/PG	IV/BCA	N
5	Introduction to Machine Learning	noc25-cs46	25B14CA116	3	Major Choice 2	UG/PG	IV/BCA	N

S.No	Course name	NPTEL code	JIT Course Code	Credits	Type (DE/OE/SE/HSS-E)	Level (UG/PG)	Semester/Program	Backlog (Y/N)
	PhD							
6	Natural Language Processing	noc25-cs51	24B14CS460	3	DE	PhD		
7	Introduction to Large Language Models (LLMs)	noc25-cs45	25P14CA111	3	DE	PhD		
8	Machine Learning for Engineering and Science Appl.	noc25-cs49	25B14CS482	3	DE	PhD		
9	Deep Learning for Natural Language Processing	noc25-cs22	25M14CS144	3	DE	PhD		
10	Introduction to Machine Learning	noc25-cs46	25B14CA116	3	DE	PhD		
11	Data Analytics with Python	noc25-cs17	25M14CS146	3	DE	PhD		
DEPARTMENT OF HSS								
1	Principles of Management	noc25-mg52	24B14HS211	3	HSS-E	UG	Btech IV sem	Y
2	Introduction To Cognitive Psychology	noc25-hs40	24B14HS212	3	HSS-E	UG	Btech VI sem	Y
3	Psychology of stress, health and well being	noc24-hs65	24B14HS412	3	OE	UG	Btech VII semester	Y
4	Education for Sustainable Development	noc25-hs12	24B14HS413	3	OE	UG	Btech VIII semester	Y
5	Time Series Modelling and Forecasting with Applications in R	noc25-cs71	24M24HS214	3	DE	UG/PG	MSc Eco III Sem	Y
6	Financial Institutions and Markets	noc25-mg22	24M24HS215	3	DE	UG/PG	MSc Eco III Sem	Y
7	Foundations of Accounting & Finance	noc25-ec02	24M24HS216	3	DE	UG/PG	MSc Eco III Sem	Y
8	Introduction to Machine Learning	noc25-cs46	24M24HS217	3	DE	UG/PG	MSc Eco III Sem	Y
9	Research Methodology for Planning and Architectural Studies	noc25-ar05	24M24HS218	3	DE	UG/PG	MSc Eco IV Sem	Y

S.No	Course name	NPTEL code	JIT Course Code	Credits	Type (DE/OE/SE/HSS-E)	Level (UG/PG)	Semester/Program	Backlog (Y/N)
DEPARTMENT OF MANAGEMENT								
1	Advanced Financial Analytics	noc25-mg01	25B14BAF17	3	JBS	UG	VI / BBA	N
2	Business Fundamentals for Entrepreneurs	noc25-mg13	25M14BEN17	3	JBS	PG	II / MBA	N
3	Financial Institutions and Markets	noc25-mg22	25B14BAF15	3	JBS	UG	VI / BBA	N
4	Predictive Analytics - Regression and Classification	noc25-ec07	25M14BIA17	3	JBS	PG	II / MBA	N
5	Blockchain and its Applications	noc25-cs08	25M14BIA19	3	JBS	PG	IV / MBA	N
6	Leadership and Team Effectiveness	noc25-mg38	25M14BHR21	3	JBS	PG	IV / MBA	N
7	Financial Derivatives & Risk Management	noc25-mg21	25M14BAF16	3	JBS	PG	IV / MBA	N
8	Talent Acquisition and Management	noc25-mg64	25M14BHR14	3	JBS	PG	IV / MBA	N