



Department of Information Technology

COURSES IDENTIFIED FOR ADDITIONAL MINOR ENGINEERING 2023-2024 (January - April)

Date: 10/11/2023

Additional Minor Engineering Degree In

- I. Information Security
- II. Artificial Intelligence
- III. Data Science
- IV. Augmented Reality- Virtual Reality

The Tentative list of courses for Additional Minor Engineering approved by IT Department for AY: 2023-24 (January - April) is as follows:

Open Enrollment to the Course: November 15

NPTEL courses for the award of Additional Minor Engineering- Information Security

Course ID	Course Name	Institute	Duration	Start date	End date	Exam date	Click here to Join the course
noc24-cs01	Foundations of Cryptography	IIT Bangalore	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 20, 2024	https://onlinecourses.nptel.ac.in/noc24_cs01/preview
noc24-cs04	Privacy and Security in Online Social Media	IITH	12 weeks	Jan 22, 2024	Apr 12, 2024	Apr 28, 2024	https://onlinecourses.nptel.ac.in/noc24_cs04/preview
noc24-cs07	Secure Computation: Part I	IIT Bangalore	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 20, 2024	https://onlinecourses.nptel.ac.in/noc24_cs07/preview
noc24-cs12	Affective Computing	IITD	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 20, 2024	https://onlinecourses.nptel.ac.in/noc24_cs12/preview
noc24-cs15	Blockchain and its Applications	IITKGP	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 27, 2024	https://onlinecourses.nptel.ac.in/noc24_cs15/preview
noc24-cs27	Foundations of Cyber Physical Systems	IITKGP	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 21, 2024	https://onlinecourses.nptel.ac.in/noc24_cs27/preview
noc24-cs31	Information Security - 5 - Secure Systems Engineering	IITM	8 Weeks	Jan 22, 2024	Mar 15, 2024	Mar 23, 2024	https://onlinecourses.nptel.ac.in/noc24_cs31/preview
noc24-cs37	Introduction To Soft Computing	IITKGP	8 Weeks	Jan 22, 2024	Mar 15, 2024	Mar 23, 2024	https://onlinecourses.nptel.ac.in/noc24_cs37/preview

noc24-cs48	Systems and Usable Security	IIT Indore	4 Weeks	Jan 22, 2024	Feb 16, 2024	Mar 23, 2024	https://onlinecourses.nptel.ac.in/noc24_cs48/preview
noc24-cs65	Business Intelligence & Analytics	IITM	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 27, 2024	https://onlinecourses.nptel.ac.in/noc24_cs65/preview

NPTEL courses for the award of Additional Minor Engineering - Artificial Intelligence

Course ID	Course Name	Institute	Duration	Start date	End date	Exam date	Click here to Join the course
noc24-cs08	An Introduction to Artificial Intelligence	IITD	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 20, 2024	https://onlinecourses.nptel.ac.in/noc24_cs08/preview
noc24-cs12	Affective Computing	IIITD	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 20, 2024	https://onlinecourses.nptel.ac.in/noc24_cs12/preview
noc24-cs13	AI:Constraint Satisfaction	IITM	8 Weeks	Jan 22, 2024	Mar 15, 2024	Mar 23, 2024	https://onlinecourses.nptel.ac.in/noc24_cs13/preview
noc24-cs14	Artificial Intelligence: Knowledge Representation And Reasoning	IITM	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 27, 2024	https://onlinecourses.nptel.ac.in/noc24_cs14/preview
noc24-cs20	Data Analytics with Python	IITR	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 27, 2024	https://onlinecourses.nptel.ac.in/noc24_cs20/preview
noc24-cs37	Introduction To Soft Computing	IITKGP	8 Weeks	Jan 22, 2024	Mar 15, 2024	Mar 23, 2024	https://onlinecourses.nptel.ac.in/noc24_cs37/preview
noc24-cs38	Machine Learning for Engineering and science applications	IITM	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 20, 2024	https://onlinecourses.nptel.ac.in/noc24_cs38/preview
noc24-cs39	Natural Language Processing	IITKGP	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 28, 2024	https://onlinecourses.nptel.ac.in/noc24_cs39/preview
noc24-cs51	Introduction to Machine Learning	IITM	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 21, 2024	https://onlinecourses.nptel.ac.in/noc24_cs51/preview
noc24-cs52	Reinforcement Learning	IITM	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 21, 2024	https://onlinecourses.nptel.ac.in/noc24_cs52/preview
noc24-cs59	Deep Learning - IIT Ropar	IIT Ropar	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 28, 2024	https://onlinecourses.nptel.ac.in/noc24_cs59/preview
noc24-cs60	Machine Learning, ML	KTH Royal Institute of Technology, Sweden	8 Weeks	Jan 22, 2024	Mar 15, 2024	Mar 24, 2024	https://onlinecourses.nptel.ac.in/noc24_cs60/preview

noc24-cs65	Business Intelligence & Analytics	IITM	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 27, 2024	https://onlinecourses.nptel.ac.in/noc24_cs65/preview
noc24-cs66	Edge Computing	IITP	8 Weeks	Jan 22, 2024	Mar 15, 2024	Mar 23, 2024	https://onlinecourses.nptel.ac.in/noc24_cs66/preview

NPTEL courses for the award of Additional Minor Engineering - Data Science

Course ID	Course Name	Institute	Duration	Start date	End date	Exam date	Click here to Join the course
noc24-cs08	An Introduction to Artificial Intelligence	IITD	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 20, 2024	https://onlinecourses.nptel.ac.in/noc24_cs08/preview
noc24-cs09	Cloud Computing and Distributed Systems	IITK	8 Weeks	Jan 22, 2024	Mar 15, 2024	Mar 23, 2024	https://onlinecourses.nptel.ac.in/noc24_cs09/preview
noc24-cs11	Advanced Computer Networks	IIT Indore IIT Gandhi nagar	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 20, 2024	https://onlinecourses.nptel.ac.in/noc24_cs11/preview
noc24-cs12	Affective Computing	IIITD	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 20, 2024	https://onlinecourses.nptel.ac.in/noc24_cs12/preview
noc24-cs13	AI:Constraint Satisfaction	IITM	8 Weeks	Jan 22, 2024	Mar 15, 2024	Mar 23, 2024	https://onlinecourses.nptel.ac.in/noc24_cs13/preview
noc24-cs14	Artificial Intelligence: Knowledge Representation And Reasoning	IITM	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 27, 2024	https://onlinecourses.nptel.ac.in/noc24_cs14/preview
noc24-cs17	Cloud Computing	IITKGP	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 20, 2024	https://onlinecourses.nptel.ac.in/noc24_cs17/preview
noc24-cs19	Computer Networks And Internet Protocol	IITKGP	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 20, 2024	https://onlinecourses.nptel.ac.in/noc24_cs19/preview
noc24-cs20	Data Analytics with Python	IITR	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 27, 2024	https://onlinecourses.nptel.ac.in/noc24_cs20/preview
noc24-cs22	Data Mining	IITKGP	8 Weeks	Jan 22, 2024	Mar 15, 2024	Mar 23, 2024	https://onlinecourses.nptel.ac.in/noc24_cs22/preview
noc24-cs26	Foundation of Cloud IoT Edge ML	IITP	8 Weeks	Feb 19, 2024	Apr 12, 2024	Apr 21, 2024	https://onlinecourses.nptel.ac.in/noc24_cs26/preview
noc24-cs33	Introduction to Embedded System Design	IITD	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 20, 2024	https://onlinecourses.nptel.ac.in/noc24_cs33/preview

noc24-cs34	Introduction To Industry 4.0 And Industrial Internet Of Things	IITKGP	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 21, 2024	https://onlinecourses.nptel.ac.in/noc24_cs34/preview
noc24-cs35	Introduction To Internet Of Things	IITKGP	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 21, 2024	https://onlinecourses.nptel.ac.in/noc24_cs35/preview
noc24-cs37	Introduction To Soft Computing	IITKGP	8 Weeks	Jan 22, 2024	Mar 15, 2024	Mar 23, 2024	https://onlinecourses.nptel.ac.in/noc24_cs37/preview
noc24-cs38	Machine Learning for Engineering and science applications	IITM	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 20, 2024	https://onlinecourses.nptel.ac.in/noc24_cs38/preview
noc24-cs39	Natural Language Processing	IITKGP	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 28, 2024	https://onlinecourses.nptel.ac.in/noc24_cs39/preview
noc24-cs51	Introduction to Machine Learning	IITM	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 21, 2024	https://onlinecourses.nptel.ac.in/noc24_cs51/preview
noc24-cs52	Reinforcement Learning	IITM	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 21, 2024	https://onlinecourses.nptel.ac.in/noc24_cs52/preview
noc24-cs53	Data Science for Engineers	IITM	8 Weeks	Jan 22, 2024	Mar 15, 2024	Mar 24, 2024	https://onlinecourses.nptel.ac.in/noc24_cs53/preview
noc24-cs54	Python for Data Science	IITM	4 Weeks	Jan 22, 2024	Feb 16, 2024	Mar 24, 2024	https://onlinecourses.nptel.ac.in/noc24_cs54/preview
noc24-cs56	Social Networks	IIT Ropar	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 28, 2024	https://onlinecourses.nptel.ac.in/noc24_cs56/preview
noc24-cs59	Deep Learning - IIT Ropar	IIT Ropar	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 28, 2024	https://onlinecourses.nptel.ac.in/noc24_cs59/preview
noc24-cs60	Machine Learning, ML	KTH Royal Institute of Technology, Sweden	8 Weeks	Jan 22, 2024	Mar 15, 2024	Mar 24, 2024	https://onlinecourses.nptel.ac.in/noc24_cs60/preview
noc24-cs65	Business Intelligence & Analytics	IITM	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 27, 2024	https://onlinecourses.nptel.ac.in/noc24_cs65/preview
noc24-cs66	Edge Computing	IITP	8 Weeks	Jan 22, 2024	Mar 15, 2024	Mar 23, 2024	https://onlinecourses.nptel.ac.in/noc24_cs66/preview

NPTEL courses for the award of Additional Minor Engineering- Augmented Reality- Virtual Reality

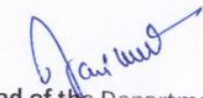
Course ID	Course Name	Institute	Duration	Start date	End date	Exam date	Click here to Join the course
noc24-cs06	Advanced Computer Architecture	IITD	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 28, 2024	https://onlinecourses.nptel.ac.in/noc24_cs06/preview

noc24-cs12	Affective Computing	IITD	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 20, 2024	https://onlinecourses.nptel.ac.in/noc24_cs12/preview
noc24-cs19	Computer Networks And Internet Protocol	IITKGP	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 20, 2024	https://onlinecourses.nptel.ac.in/noc24_cs19/preview
noc24-cs20	Data Analytics with Python	IITR	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 27, 2024	https://onlinecourses.nptel.ac.in/noc24_cs20/preview
noc24-cs22	Data Mining	IITKGP	8 Weeks	Jan 22, 2024	Mar 15, 2024	Mar 23, 2024	https://onlinecourses.nptel.ac.in/noc24_cs22/preview
noc24-cs24	Embedded System Design with ARM	IITKGP	8 Weeks	Jan 22, 2024	Mar 15, 2024	Mar 23, 2024	https://onlinecourses.nptel.ac.in/noc24_cs24/preview
noc24-cs25	Embedded Systems Design	IITKGP	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 20, 2024	https://onlinecourses.nptel.ac.in/noc24_cs25/preview
noc24-cs26	Foundation of Cloud IoT Edge ML	IITP	8 Weeks	Feb 19, 2024	Apr 12, 2024	Apr 21, 2024	https://onlinecourses.nptel.ac.in/noc24_cs26/preview
noc24-cs30	GPU Architectures And Programming	IITKGP	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 27, 2024	https://onlinecourses.nptel.ac.in/noc24_cs30/preview
noc24-cs59	Deep Learning - IIT Ropar	IIT Ropar	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 28, 2024	https://onlinecourses.nptel.ac.in/noc24_cs59/preview
noc24-cs60	Machine Learning, ML	KTH Royal Institute of Technology, Sweden	8 Weeks	Jan 22, 2024	Mar 15, 2024	Mar 24, 2024	https://onlinecourses.nptel.ac.in/noc24_cs60/preview
noc24-cs61	Digital Design with Verilog	IITG	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 21, 2024	https://onlinecourses.nptel.ac.in/noc24_cs61/preview
noc24-cs63	Parallel Computer Architecture	IITG	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 21, 2024	https://onlinecourses.nptel.ac.in/noc24_cs63/preview
noc24-cs64	Games and Information	IITB	12 weeks	Jan 22, 2024	Apr 12, 2024	Apr 21, 2024	https://onlinecourses.nptel.ac.in/noc24_cs64/preview
noc24-cs65	Business Intelligence & Analytics	IITM	12 Weeks	Jan 22, 2024	Apr 12, 2024	Apr 27, 2024	https://onlinecourses.nptel.ac.in/noc24_cs65/preview
noc24-cs66	Edge Computing	IITP	8 Weeks	Jan 22, 2024	Mar 15, 2024	Mar 23, 2024	https://onlinecourses.nptel.ac.in/noc24_cs66/preview

Note:

1. Students must choose the course if and only if the course is not studied in their respective B.E. Program.
2. The above semester-wise grouping of courses is only suggestive in nature. Hence, Students can pursue and complete the above courses irrespective of the semester in which they are in.

Head Dept. of IT
CBIT, Hyderabad



Head of the Department, IT