CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY
An Autonomous Institute | Affiliated to Osmania University
Kokapet Village, Gandipet Mandal, Hyderabad, Telangana-500075. www.cbit.ac.in

COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION
46 years

Department of Information Technology

NPTEL Courses Identified for Honours Degree for the period of July - Dec, 2025
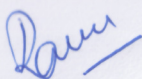
(i) Choose NPTEL courses from the following list which were not studied in your B.E IT engineering degree.

(ii) Student shall be permitted to take a maximum of 2 theory courses/courses equivalent to 6 credits during any semester for additional learning towards Honours curriculum.

(iii) 12 weeks courses carries 3 credits, 8 weeks courses carries 2 credits, 4 weeks courses carries 1 credit.

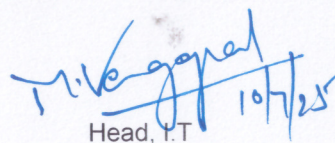(iv) Courses which will be opted from the below list must be registered in the IT department.

The Tentative List of NPTEL Courses for Honours Degree Approved by IT Department are given below.   AY:2025-26

S NO	Course ID	Course Name	Duration	Start date	End date	Exam date	Enrollment End date	Click here to Join the course
1	noc25-cs80	Mobile Virtual Reality and Artificial Intelligence	4 Weeks	August 18, 2025	September 12, 2025	October 26, 2025	August 18, 2025	https://onlinecourses.nptel.ac.in/noc25_cs80/preview
2	noc25-cs82	Software Conceptual Design	4 Weeks	August 18, 2025	September 12, 2025	November 1, 2025	August 18, 2025	https://onlinecourses.nptel.ac.in/noc25_cs82/preview
3	noc25-cs84	Advanced Distributed Systems	12 Weeks	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs84/preview
4	noc25-cs86	Distributed Optimization and Machine Learning	12 Weeks	July 21, 2025	October 10, 2025	October 26, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs86/preview
5	noc25-cs87	Foundations of Virtual Reality	12 Weeks	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs87/preview
6	noc25-cs88	Artificial Intelligence: Search Methods for Problem Solving	12 Weeks	July 21, 2025	October 10, 2025	October 26, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs88/preview
7	noc25-cs92	Reinforcement Learning	12 Weeks	July 21, 2025	October 10, 2025	October 25, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs92/preview
8	noc25-cs93	Deep Learning for Computer Vision	12 Weeks	July 21, 2025	October 10, 2025	October 25, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs93/preview
9	noc25-cs95	Introduction to Quantum Computing: Quantum Algorithms and Qiskit	4 Weeks	July 21, 2025	August 15, 2025	September 20, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs95/preview
10	noc25-cs96	Parameterized Algorithms	12 Weeks	July 21, 2025	October 10, 2025	October 25, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs96/preview
11	noc25-cs98	Applied Accelerated Artificial Intelligence	12 Weeks	July 21, 2025	October 10, 2025	October 25, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs98/preview
12	noc25-cs101	Data Science for Engineers	8 Weeks	July 21, 2025	September 12, 2025	September 21, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs101/preview
13	noc25-cs111	Stochastic Approximation: Theory and Applications	12 Weeks	July 21, 2025	October 10, 2025	October 25, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs111/preview

	Course ID	Course Name	Duration	Start date	End date	Exam date	Enrollment End date	Click here to Join the course
14	noc25-cs113	Software Testing	12 Weeks	July 21, 2025	October 10, 2025	October 26, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs113/preview
15	noc25-cs115	Computational Complexity	12 Weeks	July 21, 2025	October 10, 2025	October 26, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs115/preview
16	noc25-cs118	Responsible & Safe AI Systems	12 Weeks	July 21, 2025	October 10, 2025	October 26, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs118/preview
17	noc25-cs120	Practical Cyber Security for Cyber Security Practitioners	12 Weeks	July 21, 2025	October 10, 2025	October 26, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs120/preview
18	noc25-cs122	Randomized Methods in Complexity	12 Weeks	July 21, 2025	October 10, 2025	October 25, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs122/preview
19	noc25-cs123	Computational Arithmetic - Geometry for Algebraic Curves	12 Weeks	July 21, 2025	October 10, 2025	October 26, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs123/preview
20	noc25-cs125	Demystifying Networking	4 Weeks	July 21, 2025	August 15, 2025	September 21, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs125/preview
21	noc25-cs126	Introduction to Computer and Network Performance Analysis using Queuing Systems	4 Weeks	August 18, 2025	September 12, 2025	November 1, 2025	August 18, 2025	https://onlinecourses.nptel.ac.in/noc25_cs126/preview
22	noc25-cs128	Secure Computation: Part II	12 Weeks	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs128/preview
23	noc25-cs129	Linear Algebra Through Geometry	12 Weeks	July 21, 2025	October 10, 2025	November 1, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs129/preview
24	noc25-cs132	C-Based VLSI Design	12 Weeks	July 21, 2025	October 10, 2025	November 1, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs132/preview
25	noc25-cs134	Multi-Core Computer Architecture	12 Weeks	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs134/preview
26	noc25-cs135	Design & Implementation of Human-Computer Interfaces	12 Weeks	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs135/preview
27	noc25-cs137	Programming with Generative AI	8 Weeks	August 18, 2025	October 10, 2025	November 1, 2025	August 18, 2025	https://onlinecourses.nptel.ac.in/noc25_cs137/preview
28	noc25-cs139	Statistical Learning for Reliability Analysis	12 Weeks	July 21, 2025	October 10, 2025	November 1, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs139/preview
29	noc25-cs146	Introduction to Industry 4.0 and Industrial Internet of Things	12 Weeks	July 21, 2025	October 10, 2025	November 1, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs146/preview
30	noc25-cs151	Algorithmic Game Theory	12 Weeks	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs151/preview
31	noc25-cs152	Artificial Intelligence for Economics	8 Weeks	July 21, 2025	September 12, 2025	September 21, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs152/preview
32	noc25-cs153	Approximation Algorithm	12 Weeks	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs153/preview
33	noc25-cs155	Hardware Modeling using Verilog	8 Weeks	July 21, 2025	September 12, 2025	September 21, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs155/preview
34	noc25-cs156	Real-Time Systems	12 Weeks	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs156/preview
35	noc25-cs157	Machine Learning for Earth System Sciences	8 Weeks	July 21, 2025	September 12, 2025	September 21, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs157/preview

	Course ID	Course Name	Duration	Start date	End date	Exam date	Enrollment End date	Click here to Join the course
36	noc25-cs158	Second Level Algorithms	12 Weeks	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs158/preview
37	noc25-cs161	Introduction to Large Language Models (LLMs)	12 Weeks	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs161/preview

Coordinator

Head, I.T