



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)**
Kokapet(Village), Gandipet, Hyderabad, Telangana-500075. www.cbit.ac.in



DEPARTMENT OF INFORMATION TECHNOLOGY

COURSES IDENTIFIED FOR HONOURS DEGREE

LIST OF NPTEL COURSES FOR JAN - APR 2023

The Tentative list of courses for Honours Degree approved by IT Department is as follows:

Date: 03/01/2022

Course Id	Course Name	Duration	Start date	End date	Exam date	Enrollment End date	Click here to join the course
noc23-cs01	Randomized Methods in Complexity	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs01
noc23-cs03	Foundations of Cryptography	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs03
noc23-cs04	Quantum Algorithms and Cryptography	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs04
noc23-cs07	Advanced Computer Architecture	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs07
noc23-cs08	Data Analytics with Python	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs08
noc23-cs09	Artificial Intelligence: Knowledge Representation And Reasoning	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs09
noc23-cs10	Information Security - 5 - Secure Systems Engineering	8 Weeks	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs10
noc23-cs12	Model Checking	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs12
noc23-cs13	Privacy and Security in Online Social Media	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs13
noc23-cs14	AI:Constraint Satisfaction	8 Weeks	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs14
noc23-cs17	Data Science for Engineers	8 Weeks	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs17
noc23-cs23	Reinforcement Learning	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs23
noc23-cs25	User-centric Computing for Human-Computer Interaction	8 Weeks	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs25
noc23-cs26	Advanced Graph Theory	8 Weeks	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs26
noc23-cs28	Introduction to parallel programming with OpenMP and MPI	8 Weeks	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs28
noc23-cs30	Getting Started with Competitive Programming	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs30
noc23-cs32	Systems and Usable Security	4 Weeks	January 23, 2023	February 17, 2023	March 26, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs32
noc23-cs34	Secure Computation: Part I	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs34
noc23-cs35	Advanced Computer Networks	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs35
noc23-cs36	Affective Computing	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs36
noc23-cs37	Circuit Complexity Theory	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs37
noc23-cs38	Software Testing	4 Weeks	January 23, 2023	February 17, 2023	March 26, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs38
noc23-cs40	Introduction To Soft Computing	8 Weeks	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs40
noc23-cs43	Data Mining	8 Weeks	January 23, 2023	March 17, 2023	March 26, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs43
noc23-cs44	Ethical Hacking	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs44
noc23-cs45	Natural Language Processing	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs45
noc23-cs46	Object Oriented System Development Using UML, Java And Patterns	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs46
noc23-cs47	Blockchain and its Applications	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs47
noc23-cs50	Programming in Modern C++	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs50

Course Id	Course Name	Duration	Start date	End date	Exam date	Enrollment End date	Click here to join the course
noc23-cs52	Introduction To Industry 4.0 And Industrial Internet Of Things	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs52
noc23-cs59	Hardware Security	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs59
noc23-cs61	GPU Architectures And Programming	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs61
noc23-cs62	Foundations of Cyber Physical Systems	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs62
noc23-cs63	Selected Topics in Algorithms	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	January 30, 2023	https://onlinecourses.nptel.ac.in/noc23_cs63
noc23-cs65	Foundation of Cloud IoT Edge ML	8 Weeks	February 20, 2023	April 14, 2023	April 29, 2023	February 20, 2023	https://onlinecourses.nptel.ac.in/noc23_cs65

Note 1: I and II Semesters maximum 4 credits, III and IV Semesters maximum 4 to 6 credits, V and VI Semesters maximum 6 credits, VII and VIII Semesters maximum 6 credits.

Note 2: Choose above NPTEL courses which are not studied in your B.E IT Program.

Head of the Department, IT