



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)**

Kokapet(Village), Gandipet, Hyderabad, Telangana-500075. www.cbti.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years

**DEPARTMENT OF MECHANICAL ENGINEERING
NPTEL COURSES IDENTIFIED FOR HONOURS DEGREE FOR THE PERIOD JUL - OCT, 2023**

The Tentative list of NPTEL courses for Honours Degree approved by Mechanical Engg. Department are given below.

AY: 2023-24

S.No.	Course ID	Course Name	Duration	Start date	Enrollment End date	Exam Registration End date	Click here to join the course
1	noc23-me105	Automation In Manufacturing	12 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_me105/preview
2	noc23-mm29	Advanced Materials And Processes	12 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_mm29/preview
3	noc23-mg98	Industrial Safety Engineering	12 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_mg98/preview
4	noc23-me109	Mathematical Modeling Of Manufacturing Processes	12 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_me109/preview
5	noc23-me124	Work System Design	12 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_me124/preview
6	noc23-de11	Functional And Conceptual Design	12 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_de11/preview
7	noc23-mg109	Manufacturing Strategy	8 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_mg109/preview
8	noc23-mg72	Design Thinking - A Primer	4 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_mg72/preview
9	noc23-de19	Understanding Design	4 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_de19/preview
10	noc23-hs94	Patent Drafting For Beginners	4 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_hs94/preview
11	noc23-me121	Heat Exchangers: Fundamentals And Design Analysis	12 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_me121/preview
12	noc23-ge41	Solar Energy Engineering And Technology	12 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_ge41/preview
13	noc23-me103	Aircraft Propulsion	12 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_me103/preview



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)**

Kokapet(Village), Gandipet, Hyderabad, Telangana-500075. www.cbti.ac.in



DEPARTMENT OF MECHANICAL ENGINEERING

NPTEL COURSES IDENTIFIED FOR HONOURS DEGREE FOR THE PERIOD JUL - OCT, 2023

The Tentative list of NPTEL courses for Honours Degree approved by Mechanical Engg. Department are given below.

AY: 2023-24

S.No.	Course ID	Course Name	Duration	Start date	Enrollment End date	Exam Registration End date	Click here to join the course
14	noc23-me122	Energy Conservation And Waste Heat Recovery	12 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_me122/preview
15	noc23-ch49	Fluidization Engineering	12 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_ch49/preview
16	noc23-me100	Fundamentals Of Convective Heat Transfer	12 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_me100/preview
17	noc23-de14	System Design For Sustainability	12 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_de14/preview
18	noc23-me106	Computational Continuum Mechanics	12 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_me106/preview
19	noc23-me73	Engineering Fracture Mechanics	12 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_me73/preview
20	noc23-ge35	Numerical Methods For Engineers	12 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_ge35/preview
21	noc23-me84	Foundations Of Cognitive Robotics	4 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_me84/preview
22	noc23-ae15	Introduction To Aircraft Design	12 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_ae15/preview
23	noc23-ae16	Space Flight Mechanics	12 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_ae16/preview
24	noc23-ae17	Vibration And Structural Dynamics	8 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_ae17/preview
25	noc23-ae19	Smart Structures	12 weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_ae19/preview



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)**

Kokapet(Village), Gandipet, Hyderabad, Telangana-500075. www.cbti.ac.in



DEPARTMENT OF MECHANICAL ENGINEERING

NPTEL COURSES IDENTIFIED FOR HONOURS DEGREE FOR THE PERIOD JUL - OCT, 2023

The Tentative list of NPTEL courses for Honours Degree approved by Mechanical Engg. Department are given below.

AY: 2023-24

S.No.	Course ID	Course Name	Duration	Start date	Enrollment End date	Exam Registration End date	Click here to join the course
26	noc23-de16	Understanding Incubation And Entrepreneurship	12 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_de16/preview
27	noc23-me71	Social Innovation In Industry 4.0	12 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_me71/preview
28	noc23-me139	Mechanical Behavior Of Polymers And Composites	12 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_me139/preview
29	noc23-ge47	Sustainable Power Generation Systems	12 Weeks	July 24, 2023	July 31, 2023	August 18, 2023	https://onlinecourses.nptel.ac.in/noc23_ge47/preview

Note:

- Student shall be permitted to take a courses equivalent to 6 credits during any semester for additional learning towards Honours curriculum.
- Choose above NPTEL courses which are not studied in your B.E Mechanical Engineering Program.
- 12 weeks course carries 3 credits, 8 weeks course carries 2 credits, 4 weeks course carries 1 credit.

Head of the Department, MED