



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

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



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

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

Additional Minor Engineering Degree In

(i). Manufacturing and Robotics

| S.No. | Course ID | Course Name | Duration | Start date | Enrollment End date | Exam Registration End date | Click here to join the course |
|-------|-------------|---|----------|-----------------|---------------------|----------------------------|---|
| 1 | noc23-me131 | Fundamentals Of Manufacturing Processes | 12 Weeks | July 24, 2023 | July 31, 2023 | August 18, 2023 | https://onlinecourses.nptel.ac.in/noc23_me131/preview |
| 2 | noc23-me118 | Mechanism And Robot Kinematics | 8 Weeks | August 21, 2023 | August 21, 2023 | September 15, 2023 | https://onlinecourses.nptel.ac.in/noc23_me118/preview |
| 3 | noc23-me82 | Rapid Manufacturing | 12 Weeks | July 24, 2023 | July 31, 2023 | August 18, 2023 | https://onlinecourses.nptel.ac.in/noc23_me82/preview |
| 4 | noc23-de12 | Introduction To Robotics | 12 Weeks | July 24, 2023 | July 31, 2023 | August 18, 2023 | https://onlinecourses.nptel.ac.in/noc23_de12/preview |
| 5 | noc23-mm33 | Fundamentals Of Electronic Device Fabrication | 4 Weeks | July 24, 2023 | July 31, 2023 | August 18, 2023 | https://onlinecourses.nptel.ac.in/noc23_mm33/preview |
| 6 | noc23-me125 | Principles Of Metal Forming Technology | 8 Weeks | July 24, 2023 | July 31, 2023 | August 18, 2023 | https://onlinecourses.nptel.ac.in/noc23_me125/preview |
| 7 | noc23-ge40 | Fundamentals Of Artificial Intelligence | 12 Weeks | July 24, 2023 | July 31, 2023 | August 18, 2023 | https://onlinecourses.nptel.ac.in/noc23_ge40/preview |
| 8 | noc23-me102 | Advances In Welding And Joining Technologies | 8 Weeks | August 21, 2023 | August 21, 2023 | September 15, 2023 | https://onlinecourses.nptel.ac.in/noc23_me102/preview |
| 9 | noc23-me99 | Advanced Machining Processes | 8 Weeks | August 21, 2023 | August 21, 2023 | September 15, 2023 | https://onlinecourses.nptel.ac.in/noc23_me99/preview |



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COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years

| | | | | | | | |
|----|-------------|--|----------|---------------|---------------|-----------------|---|
| 10 | noc23-me105 | Automation In Manufacturing | 12 Weeks | July 24, 2023 | July 31, 2023 | August 18, 2023 | https://onlinecourses.nptel.ac.in/noc23_me105/preview |
| 11 | noc23-mg98 | Industrial Safety Engineering | 12 Weeks | July 24, 2023 | July 31, 2023 | August 18, 2023 | https://onlinecourses.nptel.ac.in/noc23_mg98/preview |
| 12 | 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 |
| 13 | noc23-mg109 | Manufacturing Strategy | 8 Weeks | July 24, 2023 | July 31, 2023 | August 18, 2023 | https://onlinecourses.nptel.ac.in/noc23_mg109/preview |
| 14 | 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 |



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

Additional Minor Engineering Degree In

(ii). Mechatronics and Nanotechnology

| S.No. | Course ID | Course Name | Duration | Start date | Enrollment End date | Exam Registration End date | Click here to join the course |
|-------|-------------|---|----------|-----------------|---------------------|----------------------------|---|
| 1 | noc23-me82 | Rapid Manufacturing | 12 Weeks | July 24, 2023 | July 31, 2023 | August 18, 2023 | https://onlinecourses.nptel.ac.in/noc23_me82/preview |
| 2 | noc23-de12 | Introduction To Robotics | 12 Weeks | July 24, 2023 | July 31, 2023 | August 18, 2023 | https://onlinecourses.nptel.ac.in/noc23_de12/preview |
| 3 | noc23-mm33 | Fundamentals Of Electronic Device Fabrication | 4 Weeks | July 24, 2023 | July 31, 2023 | August 18, 2023 | https://onlinecourses.nptel.ac.in/noc23_mm33/preview |
| 4 | noc23-me83 | Engineering Metrology | 12 Weeks | July 24, 2023 | July 31, 2023 | August 18, 2023 | https://onlinecourses.nptel.ac.in/noc23_me83/preview |
| 5 | noc23-bt70 | Biomedical Nanotechnology | 4 Weeks | August 21, 2023 | August 21, 2023 | September 15, 2023 | https://onlinecourses.nptel.ac.in/noc23_bt70/preview |
| 6 | noc23-me105 | Automation In Manufacturing | 12 Weeks | July 24, 2023 | July 31, 2023 | August 18, 2023 | https://onlinecourses.nptel.ac.in/noc23_me105/preview |
| 7 | 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 |
| 8 | noc23-mg98 | Industrial Safety Engineering | 12 Weeks | July 24, 2023 | July 31, 2023 | August 18, 2023 | https://onlinecourses.nptel.ac.in/noc23_mg98/preview |
| 9 | 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 |



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Additional Minor Engineering Degree In

(iii). 3-D Printing and Design

| S.No. | Course ID | Course Name | Duration | Start date | Enrollment End date | Exam Registration End date | Click here to join the course |
|-------|-------------|---------------------------------------|----------|---------------|---------------------|----------------------------|---|
| 1 | 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 |
| 2 | noc23-de12 | Introduction To Robotics | 12 Weeks | July 24, 2023 | July 31, 2023 | August 18, 2023 | https://onlinecourses.nptel.ac.in/noc23_de12/preview |
| 3 | noc23-me123 | Product Design And Development | 4 Weeks | July 24, 2023 | July 31, 2023 | August 18, 2023 | https://onlinecourses.nptel.ac.in/noc23_me123/preview |
| 4 | noc23-me88 | Basics Of Finite Element Analysis - I | 8 Weeks | July 24, 2023 | July 31, 2023 | August 18, 2023 | https://onlinecourses.nptel.ac.in/noc23_me88/preview |
| 5 | noc23-me78 | Basics Of Materials Engineering | 12 Weeks | July 24, 2023 | July 31, 2023 | August 18, 2023 | https://onlinecourses.nptel.ac.in/noc23_me78/preview |
| 6 | noc23-me105 | Automation In Manufacturing | 12 Weeks | July 24, 2023 | July 31, 2023 | August 18, 2023 | https://onlinecourses.nptel.ac.in/noc23_me105/preview |
| 7 | noc23-mg98 | Industrial Safety Engineering | 12 Weeks | July 24, 2023 | July 31, 2023 | August 18, 2023 | https://onlinecourses.nptel.ac.in/noc23_mg98/preview |
| 8 | 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 |
| 9 | 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 |
| 10 | noc23-de18 | Innovation By Design | 4 Weeks | July 24, 2023 | July 31, 2023 | August 18, 2023 | https://onlinecourses.nptel.ac.in/noc23_de18/preview |
| 11 | 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 |

Note:

1. Student has to choose the course if and only if the course is not studied in their respective B.E. Program.
2. Student has to take permission from the coordinator before choosing a course.

Head of the Department, MED