



**DHI CENTRE OF EXCELLENCE IN ADVANCED  
MANUFACTURING TECHNOLOGY**  
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

Organizes

## **THREE-WEEKEND TRAINING PROGRAMME ON CNC**

**(for ITI & Diploma Engineering Students; Undergraduates; MSMEs & Startups)**

**16<sup>th</sup>-17<sup>th</sup> Nov, 2019 + 23<sup>rd</sup>-24<sup>th</sup> Nov, 2019 + 30<sup>th</sup> Nov-1<sup>st</sup> Dec, 2019**

**10:00 AM to 4:00 PM**

Lecture, demonstration & hands-on training	Weekend
<ul style="list-style-type: none"><li>Fundamentals of CNC: CNC turning center, trainer lathe</li><li>Hands-on training of CNC turning center and trainer lathe,</li><li>CNC programming</li><li>Hands-on training on writing CNC codes and execution in CNC turning center, trainer lathe</li></ul>	1
<ul style="list-style-type: none"><li>Generation of CNC code for different operations, and testing using CNC controller &amp; simulator</li><li>Execution of the CNC code in machine by the candidates</li></ul>	2
<ul style="list-style-type: none"><li>Study and design of the part on CAD-CAM software for tool path and auto NC code generation</li><li>Hands-on training on designing in CAD-CAM software for different jobs, and followed by execution in machine</li></ul>	3

### **Fee:**

- ITI & Diploma Students, and Undergraduate: *Rs 7,500 (incl of GST)*
- MSMEs and Startups: *Rs 10,000 (incl of GST)*

### **Accommodation & Travel:**

- Based on availability, it may be arranged at IIT Guest House with additional cost; and request for the same need to be made separately through email
- Candidates need to make their own travel arrangement

### **Seats:**

- Only 15 candidates will be selected based on "First-come-first-serve" basis

### **Application:**

- Apply online <https://erp.iitkgp.ac.in/CEP/courses.htm>  
Follow procedure: Click *Workshop*, and then click "Howto Apply" and "How to Pay" for the instructions

### **Coordinator:**

**Prof Surjya K Pal**  
DHI Centre of Excellence in Advanced Manufacturing Technology

Email: [coeamt@iitkgp.ac.in](mailto:coeamt@iitkgp.ac.in)  
Ph: +91-3222-281984  
Web: <http://www.coeamt.com>

### **About the Centre:**

This CoE has been established at IIT Kharagpur with the support from **Department of Heavy Industry (Ministry of HI&PE)** and a consortium of top 6 industry members in the country, offering a unique platform for collaborative research in manufacturing keeping harmony with the 'Make-in-India' initiative of the GoI. The Centre initiates innovative and top-quality research focused to the industries on **Specialty materials, Design and automation, Additive manufacturing**, and **Industry 4.0 (Industrial Internet of Things)**. The Centre boosts innovative interventions in the advanced manufacturing domain by enabling an ecosystem among Institutes of higher repute, top industries, and also the MSMEs & start-ups.