

## CENTRE OF EXCELLENCE IN ADVANCED MANUFACTURING TECHNOLOGY INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

# **5 DAY HANDS-ON TRAINING PROGRAM ON CNC**

For ITI, Diploma and Undergraduate Students; Academic staff and faculties; **Industry Professionals** 

04<sup>th</sup> Iulv 2022 to 08<sup>th</sup> Iulv. 2022



Introduction to CNC, its mechanisms, control system Introduction to CNC coordinate system

Learn to create part program

Get trained on CNC Lathe & **CNC Turning Centre; Operate** the machine for part fabrication Working on FANUC & SIEMENS controllers

Write your first CNC program & simulate it in a virtual environment

Part designing and toolpath generation using CAD & CAM

Project: Develop your own design, CNC program, successful

simulation, & fabrication

"Welcome to the World of CNC"

Add-on Knowledge: Intro. on Industry 4.0

All Students

Academic staff and faculties

**Industry Professionals** 

**INR** 6,000 (incl of **GST**)

INR 10,000 (incl of GST)

INR 12,000 (incl of GST)

# ACCOMMODATION, FOODING & 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 in advance
- Candidates need to make their own travel and food arrangements; however, lunch will be served during the training programme
- Candidate must wear mask all the time, maintain physical distance from the co-worker during training

#### APPLICATION PROCEDURE

Apply online: "https://erp.iitkgp.ac.in/CEP/courses.htm"

Follow Procedure: Click "Self Sponsored" on the left bar and find our course. Click on "How to Apply" and "How to Pay" for more instructions.



### COORDINATORS

Convenor:

Dr. Sankha Deb Associate Professor, Mechanical Engineering Department

Co-Convenor Prof. Suriva K Pal

Professor, Mechanical Engineering Department

Email id: coeamt@iitkgp.ac.in: Contact Details: 03222-281986

## **ABOUT CoE-AMT**

CoE-AMT 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 Gol. 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.