



CENTRE OF EXCELLENCE IN ADVANCED MANUFACTURING TECHNOLOGY

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR



40,000 Sq. ft. "Industrial
Research & Innovation Unit"
of this CoE

SHORT TERM COURSE ON 5G & BEYOND IN SMART MANUFACTURING

For BE/ B.Tech., ME/ M.Tech, Academic Faculty and Non Faculty Members, Industrial Professionals

September 4th, 2023 to September 8th, 2023

COURSE HIGHLIGHTS

- Evolution of manufacturing and Industry 4.0
- Sensors and signal processing and applications in manufacturing
- IoT devices and applications in manufacturing
- 5G Technology
- Machine and Deep learning methods and some case studies in manufacturing
- Big data in manufacturing
- Digital twin and its application in manufacturing

APPLICATION AND COURSE FEES

Course Fees:

- Faculty: Rs 10000 (incl of GST)
- IIT Kharagpur Non-Faculty: Rs 7500 (incl of GST)
- IIT Kharagpur Student: Rs 5000 (incl of GST)
- Outsider Student: Rs 5000 (incl of GST)
- Industrial Professional: Rs 20000 (incl of GST)

Application Fee:

Rs 1,000 (incl of GST) **(Non Refundable)**

ACCOMODATION FOOD AND 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 well in advance
- Candidates need to make their own travel and food arrangement; However, lunch will be served during the training program

COORDINATORS

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APPLICATION

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

Follow procedure: Click Short Term Course, and then click "How to Apply" and "How to Pay" for the instructions

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 namely, HEC Ranchi, Tata Steel, Tata Sons, BHEL, Tata Motors & Tata Consultancy Services, 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. 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. A large number of start-ups have shown interest in getting associated with this CoE.