



3-DAY SHORT TERM COURSE ON MACHINE VISION FOR ROBOT APPLICATIONS IN MANUFACTURING

For BE/B-Tech, ME/M-Tech Students; Academic Faculty Members and Industry Professionals

18TH MAY 2022 TO 20TH MAY 2022

Course Highlights

- Robots in Manufacturing
- Role of Sensors in Autonomous Guidance and Control of Industrial Robots
- Deep learning and AI for Machine Vision
- Hands-on Deep Learning
- Recognizing and Tracking Objects for Decision-making
- Demonstration of Vision based Robot Manipulation
- Applications of Machine Vision in Industrial Automation, Robotics and Industry 4.0



Being Conducted under:
"Azadi Ka Amrit Mahotsav" - A celebration to commemorate completion of 75 years of India's Independence.

COURSE FEES

Students	Faculty Members	Industry Professionals
INR 3,500 (incl of GST)	INR 5,000 (incl of GST)	INR 10,000 (incl of GST)

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.

Maximum 25 candidates based on first come first serve



ACCOMMODATION, FOOD & TRAVEL

- Guest house will be booked for the successfully registered candidates only on additional payment basis directly to the guest house by the candidates (starting @ INR 250 per day).
- Candidates need to make their own travel and food arrangements.
- Candidate must **wear mask and maintain physical distance** from co-workers during the course.
- The course may be held in online mode under pandemic related circumstances beyond our control.

COORDINATORS

Dr. Debashis Sen

Assistant Professor

Department of Electronics and Electrical Communication Engineering

E-mail : vision.iitkgp@gmail.com

Dr. Sankha Deb

Associate Professor

Department of Mechanical Engineering

Ph : +91-3222-283502/281599

<http://www.coeamt.com>



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 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.