

National Supercomputing Mission Faculty/Scientist Development Workshop on Artificial Intelligence

November 14-16, 2022

Organized by IIT Kharagpur

Under the aegis of National Supercomputing Mission



About the Workshop:

Application of Artificial Intelligence is all pervading in the modern era. Artificial Intelligence applied to Big Data problems requires use of high performance computing. The workshop will include tutorials on fundamentals of artificial intelligence and machine learning. The workshop will also cover tools and techniques for accelerated machine and deep learning in high performance computing environments. A combination of theory lectures and hands-on sessions will be provided. The workshop will benefit faculty members and scientists who are interested in AI and HPC research. It will also benefit researchers who aim to apply AI and HPC to their domain of interest.

Program:

- Introduction to Machine Learning
- Hands-on in Machine Learning with Python
- Scalable Machine Learning
- Hands-on in Machine Learning with SPARC
- Introduction to Deep Learning
- Hands-on in Deep Learning with Python
- GPU Accelerated Machine Learning
- GPU Accelerated Deep Learning

Speakers:

Bharat Giddani, NVIDIA

Jiaul Hoque Paik, IIT Kharagpur

Megh Makhwana, NVIDIA

Pabitra Mitra, IIT Kharagpur

Sourangshu Bhattacharya, IIT Kharagpur

Workshop Webpage:

www.ccds.iitkgp.ac.in/fdpai.html

Contact email: ccdsoffi@ccds.iitkgp.ac.in

Important Dates:

Candidates will be shortlisted based on qualification and seat availability for physical workshop at IIT Kharagpur

Shortlisted candidates will get accommodation during the workshop at IIT Kharagpur

Last date for registration: *November 7, 2022, 5:00PM*

(Registration may close earlier, if capacity is reached. Early registration is recommended.)

Notification and sharing of link: *November 10, 2022*

Who should attend:

Faculty Members, Scientists, Industry Professional, Postdoctoral Fellows, Doctoral Students

Organizing Committee:

Somnath Roy, IIT Kharagpur

Pabitra Mitra, IIT Kharagpur

Registration Information:

Registration Fee: Faculty Members: INR 2000, Students: INR 1000, Industry Personnel: INR 3000

Registration Website:

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

Initially please apply through this website. Then choose the appropriate course. For online fee payment of the shortlisted candidates click on the Pay Fee link in the above website.