

FACULTY DEVELOPMENT PROGRAM
on
**Machine Learning & Artificial
Intelligence**

Organised by

**Electronics & ICT Academy IIT
Roorkee**



Panjab University, Chandigarh



Jan 19, 2019 - Jan 20, 2019

Experts from Academia/Industry

**Diginique TechLabs
Gurugram**

Supported by

Ministry of Electronics & Information
Technology
Government of India



Venue

**Panjab University, Physics
Department, Chandigarh**

Why AI and ML?

Machine learning is the science of getting computers to act without being explicitly programmed. It is so pervasive today that you probably use it dozens of times a day without knowing it. Its techniques are becoming indispensable and holds great potential in the field of computer vision, image processing, medical imaging, natural language processing, speech processing etc. This course will help you to learn about the most effective machine learning techniques, and gain practice implementing them and getting them to work for yourself. More importantly, you'll learn about not only the theoretical underpinnings of learning but also gain the practical know-how needed to quickly and powerfully apply these techniques to new problems.

Objective of the Course

Machine Learning (ML) is a field that has a long history but is still constantly and actively growing and changing. This workshop covers the basics of modern ML as well as some of the representative applications of AI and Machine Learning. Along the way, we also hope to excite you about the numerous applications and huge possibilities in the field of AI and Machine Learning, which continues to expand human capability beyond our imagination

Program Features

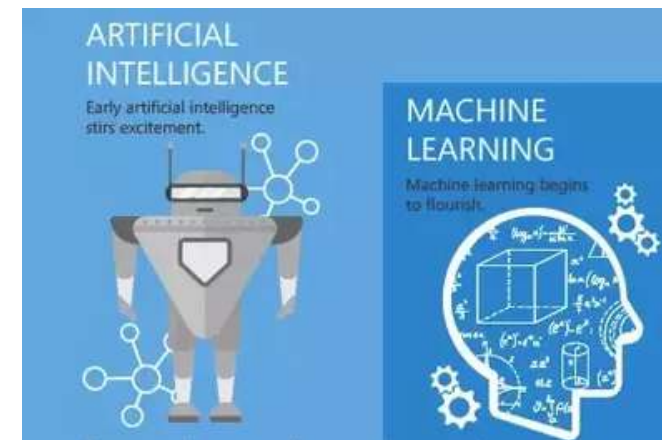
- The program is split into lectures and lab/hands-on sessions.
- Hands-on experience on basic & advanced-level topics.
- Interaction & learning with experts from academia & industry.
- Certificates to the participants by EICT Academy, IITR.

Focus Area

- Introduction of Machine Learning.
- Learning Algorithms.
- Python/Anaconda.
- Working on Various Python Library.
- Introduction of OpenCv.

Benefits and Outcomes of the Course

- A digital toolkit of PPTs and study material for all participants.
- A competition will be organized at the end of the workshop and winners will be awarded by Certificate of Excellence.
- Six months online support related to the workshop course content.
- Internship opportunity for prospective students.
- Interaction with Academicians will be established with possible collaborations.



Coordinators

- **Dr. Sanjeev Manhas, PI, EICT, IIT Roorkee**
- **Dr. Vipin Bhatnagar, Professor, Physics Department, Panjab University, Chandigarh**

Who Can Attend ?

Program is open to faculty members/research scholars/PG students from colleges/universities, and industry personnel working in the concerned/allied discipline.

Registration Fee

Faculty members/Research scholars: ₹ 500/-

How to make payment

Offline: DD in favor of "Dean SRIC IIT Roorkee" payable at Roorkee
"OR"

Online: (<https://www.onlinesbi.com/prelogin/icollecthome.htm?corpID=365641>)

Read the instruction for payment before filling the online registration form.

How to Apply

Step 1: Make Payment

Step 2: Participants may fill registration form through Academy website (<http://eict.iitr.ac.in>).
OR

Step 2: Send a duly filled-in registration form along with Demand Draft to Academy address.

Mr. Prateek Sharma, EICT Academy, ECE Department, IIT Roorkee-247667

Important Dates



**Last Date For
Registration:
18-Jan-2019**



EICT Academy IITR

Electronics and ICT Academy (E&ICT) at IIT Roorkee (funded by Ministry of Electronics and Information Technology) aims to enrich and upgrade teaching and research competences of engineering faculties of institutes/colleges by conducting courses and workshops in fundamentals as well as emerging areas of E&ICT and enabled areas. The programs are conducted by well-known industry partners, resource persons from leading academia and experts from renowned R&D organizations.



Activities of the Academy

- Specialized training on basic and advanced level topics with hands-on experience in the emerging areas of Electronics & ICT.
- Setup the activity centers to conduct FDPs locally at institutes/colleges.
- Curriculum development for the industry.
- Continuing Education Programme for students/working professionals.
- Design, develop and delivery of specialized modules for specific research areas in industry.

Faculty Development Program
on

Machine Learning and Artificial
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Jan. 19- Jan. 20, 2019



REGISTRATION FORM

Applicant Name _____

Gender: _____

Category (GEN/OBC/SC/ST): _____

Designation: _____

Name and Address of the
Organizatio/Institute: _____

City/Town: _____

Email: _____

Phone Number: _____

Do you need Accommodation?
(Yes/No): _____

DD Number: _____

Date: _____

Issuing Bank: _____

Payable at: _____

Signature of the Applicant

Contact Us

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