FACULTY DEVELOPMENT PROGRAM
On
"Machine Learning & Deep Learning"

Organised By

Electronics & ICT Academy IIT Roorkee

In Association with

G. L. Bajaj Institute of Technology & Management

Nov 21, 2017 - Nov 22, 2017
Experts from Industry

(ATIVITI)
Industry Expert

Guest Lecture from Academia

Dr. Biplab Banerjee
CSE Dept.
IIT Roorkee

Supported by

Ministry of Electronics & Information Technology
Government of India

Venue

G. L. Bajaj Institute of Technology & ManagementGreater Noida, U.P.

Objective of the Course

- Identify potential areas of applications of machine learning
- Basic ideas and techniques in the design of intelligent computer systems
- Statistical and decision-theoretic modelling paradigm
- Apply regression, classification, clustering, retrieval, recommender systems, and deep learning.
- Introduction to Deep learning

Focus Areas

- Intro to learning theory
- Idea of super-vised, unsupervised and semi supervised, zero-shot learning
- Refresher for probability
- Supervised learning: nearest neighbor, support vector machines, neural network
- Unsupervised learning: k-means, mean-shift, graph based clustering, Idea of zero-shot learning

Program Features

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

Benefits and Outcomes of the Course

- The program would help the participants to understand the key concepts behind machine learning
- Participants would be able to learn how to build machine learning that is adaptable to any environment in real life.

At the end of the program, participants will be able to understand:

- Broad and basic introduction to machine learning
- Regression: Multinomial
- Clustering: K-Means
- Foundation Algorithm - Introduction to Neural Networks
- Image classification using CNN

Coordinators

Dr. Sanjeev Manhas, PI,
E&ICT Academy,
IIT Roorkee

Dr. Biplab Banerjee
CSE Dept.
IIT Roorkee

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: ₹750/-
Persons from Industry: ₹1000/-
(without food & accommodation)

Payment Details

DD in favor of "Dean SRIC IIT Roorkee" payable at Roorkee
"OR"
Make Online Payment by NEFT/RTGS on given detail
Account Name: Research Project, IIT Roorkee
Account Number: 33012172097
IFSC code: SBIN0001069

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 Online Registration :
18th Nov 2017**

Last Date For Receiving Application : 19th Nov 2017

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 fundaments 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 & Deep Learning "

Nov 21, 2017 - Nov 22, 2017

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

Electronics and ICT Academy, IIT Roorkee
Roorkee - 247667, (Uttarakhand) INDIA
☎ Ph. +91-1332-28 6457, +91-7078627392
@ Email: eict@iitr.ac.in, eictiitr@gmail.com
🌐 Website: http://eict.iitr.ac.in

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