An Initiative of
Ministry of Electronics & Information
Technology (MeitY), Government of India

Faculty Development Programme
on
"Deep Leaning & Machine Learning"

From 19-24 March,2018

In Association with Gauhati University and NIT Silchar

& Support from Kovid Academy

KOViD
academy

Last Date of Registration: 10.03.2018
(Online Registration Link will be open from 01.02.2018)
Venue: ECE Dept, Gauhati University (Assam)

Objective of the Course

Course Objective is to provide basic knowledge in Deep Learning. The programme will focus on practical aspects and include examples which are relevant to the current industry requirements.

Course Programme

Faculty Development Programme is split into two parts: Lectures and Labs/Hands-on sessions daily. Course contents are as follows:

- Basic of Deep Learning
- Current Deep Learning Topologies
- Deep Learning Methods
- Current Domain & Application of Deep Learning
- Introduction to Machine Learning

> **Certificate with grades will be given by E&ICT Academy, IIT Guwahati to the participants.**

Who Can Attend

Programme is open to Faculty Members, Research Scholars, PG & UG Students, Lab Technicians and Project Staffs from Universities , Colleges & Schools. Industry and Personnel working in the concerned/allied discipline may also apply.

How to Apply

Online – The participants may log on to the E&ICT Academy, IIT Guwahati website: http://eictacad@iitg.ernet.in and fill up the application form.

For Online Transfer

Bank Name: State Bank of India
Account Name: IIT Guwahati R and D E and ICT Academy
Account No.: 36071160089
IFSC Code: SBIN0014262
Bank Name: State Bank of India
Bank Address: IIT Guwahati, GHY- 39.

Contact Hours for the Course
48 Hrs (Theory, Hands-on & Tutorial)

Registration Form

Name of the Applicant (first, last):
………………………………………………
Fathers Name:……………………………….
………………………………………………
Mothers Name:……………………………….
Gender: ……………………………………….
Category(Gen/ST/SC):……………….................
Date of Birth:…………………………………...
Designation: ………………………………….....
Highest Qualification: ……………………….......
Name and Address of the Organization/Institute:……………….
………………………………………………
City/town:……………………………………
Postal Address:………………………………...
Email:………………………………………….
Phone Number:………………………………….
Mobile Number:……………………………….
Do you need hostel accommodation? (Yes/No):………………
Transaction ID (Applicable for Online Transfer):………………
Signature of the Applicant:…………………………...........
Signature and Seal of the Forwarding Authority
Name ....
Designation ....

Affix passport size photograph

Note:
i) *The Faculty/Staff are requested to submit the NOC from respective department before attending the session.*
ii) *The Faculty member belonging to SC/ST Category need to carry caste Certificate(both in original & photocopy).*
iii) *The participant need to carry the Institute/Organization valid Identity Card (Both in Original & Photocopy).*
iv) *Hostel will be available at Gauhati University. Please drop an email if hostel is required. For Guest house one month prior intimation is required. (Guest House booking is subjected to the availability of rooms).*

Registration Fee with GST (Including Course Material, Snacks and Lunch)

Rs. 2,950/- for Faculty, Lab Technicians and Project Staff
Rs. 1,475/- for Faculty, Lab Technicians and Project Staff
Rs. 5,900/- for Industry Personnel, Research Scholars and Students.

Course Outcome

The participants are expected to understand:
- How deep learning works.
- How to frame tasks into deep learning problems.
- How to use deep learning toolkits to implement the designed models.
- When and why specific deep learning techniques work for specific problems.
- Machine Learning.

Assignments and Project

The course will include:
- Assignments.
- Group final project.
- Write-up report.

Preferred Pre- Requisites for the Course

- Required coding skills for Lab.
  Proficiency in Python (All assignments will be in Python).
- Required Courses
  1. College Calculus.
  2. Linear Algebra.
  3. Probability.
  4. Machine Learning (preferred but optional).
  5. Statistics (preferred but optional).

Expert Details

- *Expert from Academia*
  Dr. Manas Kamal Bhuyan
  Associate Professor, Dept. of Electronics and Electrical Engineering, IIT Guwahati.
- *Expert from Industry*
  Mr. Aashish Pandey
  Technical Consultant, Kovid Academy.

Contact Details

For more details or any queries please contact
Programme Manager, EICT Academy
IIT Guwahati
Email: eictacad@iitg.ernet.in,
eictacad@gmail.com
Phone No: +91-3612583009/3182/2503/2536

About E&ICT Academy

Electronics and ICT Academy is an initiative of Ministry of Electronics & Information Technology (MeitY) Ministry of Communications and IT, Govt. of India for Faculty/ Research Scholar Development Programme.

Academy has planned short term training programmes on fundamental and advanced topics in IT, Electronics & Communication, Product Design, Manufacturing with hands on training and project work using latest software tools and systems.

In addition, the Academy will conduct specialized/customized training programmes and research promotion workshops for corporate sector & educational institutions.

Course Coordinators from Academy

- **Prof. Ratnajit Bhattacharjee**
  Principal Investigator
  E&ICT Academy, IIT Guwahati
- **Dr. Gaurav Trivedi**
  Co-Principal Investigator
  E&ICT Academy, IIT Guwahati

How to reach Gauhati University

Gauhati University is located at Gopinath Bardoloi Nagar, Jalukbari, Guwahati, along NH 37 between the airport and the city centre (10 km in either direction). Frequent local buses ply on NH 37, reaching Pan Bazar, Paltan Bazaar, Chandmari, ISBT (Inter State Bus Terminal) and the Lokpriya Gopinath Bardoloi International Airport. Autorickshaws to or from the airport or city centre to Gauhati university are available for hire.

For details of the programme and course contents etc., please log on to Electronics and ICT Academy website:
http://eict.iitg.ernet.in/

About Gauhati University

The University of Gauhati, popularly known as 'Gauhati University', is the oldest and largest University at the North East India. Since its inception in 1948, it continues to be a leading teaching and research institution, offering courses in a wide range of disciplines. The University has forty-one Post Graduate Departments, an Institute for Distance and Open Learning (IDOL) and a constituent Law College in the main campus. It has 258 affiliated colleges, offering Under Graduate and Post Graduate courses in the Faculties of Arts, Commerce, Engineering, Fine Arts, Law, Management, Medicine, Science and Technology. The Mission of our University is to bring about social, economic, moral and spiritual up-liftmen of the people of Assam. We wish to intensify the study of the age-long spirit of Assamese life and to bring necessary adjustments in them in relation to Indian civilization on the one hand, and to the new impulses of the West on the other.

Organizing Committee

- *Patron*
  1) **Dr. Mridul Hazarika**
     Vice Chancellor, Gauhati University.
  2) **Prof. Sivaji Bandyopadhyay**
     Director, NIT Silchar.
  3) **Prof. Manab Deka**
     Director, GUIST.
- *Course Coordinator from Gauhati University*
  Dr. Kandarpa Kumar Sarma
  Professor, Dept. of ECE,
  Gauhati University, Assam.