

One Week Workshop

Introduction

Accommodation

On

Recent Research Trends & Future Perspective of Machine Learning in Academics & Industry

(Under TEQIP-III)



From 1st - 5th Oct, 2018

In Association with Gauhati University & NIT-Silchar



Last Date of Registration: 30.09.2018

(Online Registration Link will be open from 18.09.2018)

Venue: CSE Department, NIT, Silchar (Assam)

In recent years, Machine Learning (ML) ideas have been applied to solve many important issues like Weather forecasting, Sentiment analysis, Speech recognition, Medical diagnosis etc. These ideas have been proven to be superior to the various kinds of analytical methods that have been traditionally applied. Especially, the recent development of ideas in the area of Deep Learning has shown very promising results in the fields of Computer Vision, Natural Language Processing, Signal Processing, Medical Diagnosis, etc. In many of these fields, the current state of the art approaches employs Deep Learning ideas. Apart from these applications, the Machine Learning approaches also used to build systems like Speech Processing, Natural Language processing and Healthcare systems. The course participants will gain in depth knowledge of the above mentioned ML techniques along with hands on experience of applying the ideas to various kinds of problems.

Objective of the Course

The objective of the workshop is to enable theoretical and practical understanding of the key ideas of research in Industry and Academics in the field of Machine Learning, via expert lectures and hands on sessions.

Contents

In depth discussion sessions on various supervised and unsupervised Machine Learning techniques will be carried out. Apart from this, different kinds of research ideas will be discussed in various application domains. The solutions of complex problem will also be given emphasis with the help of popularly used Machine Learning tools in the hands on session.

Who Can Attend

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

All the out station participants will be provided accommodation on payment basis in the Guest House of the Institute, subject to availability. No TA and DA will be paid to the participants.

Program

Technical sessions and discussions will be conducted by the expert faculties/dignitaries of various premier organizations like IITs. Experts from top software Industries in R & D like CDAC, Philips, Microsoft, IBM will give focus on industrial perspective of research in given field.

Registration

All participants have to pay registration fees before submitting application either (i) via DD in favor of Director NIT Silchar, Payable at State Bank of India, NIT Silchar branch or (ii) online transfer to the account of the Director, NIT Silchar (A/C No.: 10521277057, Branch: NIT Silchar). Brochure and registration form can be downloaded from the institute website: <http://www.nits.ac.in>.

Fee Details:

Internal Students:	Rs. 500/-
External Students:	Rs. 1000/-
Internal Faculty members:	Rs. 1000/-
External Faculty members:	Rs. 3000/-
Industry Persons:	Rs. 5000/-

Registration Form

1. Name:
 2. Designation:
 3. Institution/ Organization:
 4. Address for communication:
 5. Email:
 6. Phone / Mobile Number:
 7. Highest Educational Qualification:
 8. Accommodation Reqd.(Tick):
Yes/No
 9. Any other information:
 10. Details of registration fees:
 11. DD Number, Date:
- Bank:
- Place:
- Date:

Signature of the applicant

Recommended by HOD/ Section
In-Charge

(Sign and Seal of HOD/ Section In-charge)

Expert Details

- **Expert from Academia:**
Dr. Pradip Kr. Das,
Professor, IIT-Guwahati
- **Expert from Industry:**
Dr. Sunil Kr. Vuppala,
Principal Scientist,
Philips Research



Multiple other eminent speakers from both Academia and reputed Industry will be delivering expert talks.

Contact details

For more details or any queries please contact:

Dr. Pinki Roy
Coordinator,
Assistant Professor,
Department of Computer Science and
Engineering, NIT Silchar, Assam, India
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About NIT Silchar

National Institute of Technology (NIT) Silchar, An Institute of National Importance under the NIT Act was established in 1967 as Regional Engineering College (REC), Silchar in Assam. In the year 2002, it was upgraded to the status of an NIT from REC. NIT Silchar is situated on the banks of river Barak and on a sprawling campus spread over 600 acres of land on the outskirts of Silchar, It is surrounded by beautiful lakes and hillocks. NIT Silchar is a fully residential institution. At present it offers six undergraduate courses in Civil Engg., Computer Sci. & Engg, Mechanical Engg., Electrical Engg., Electronics and Telecommunication Engg. and Electronics & Instrumentation Engg. and some AICTE approved Post-Graduate courses. The department offers B. Tech., M. Tech. and Ph.D. programmes.

With sound Vision and Mission, this department provides a platform for nurturing Engineers and researchers to lead the country in particular and the entire World in general. The department is well-equipped with ultra-modern facilities for research. To name a few the department has Blade Server (IBM 7 blades), Thermal Cameras, Workstations, latest configured Desktop PCs, etc.

For details of the program and course contents etc., please log on to NITS website: <http://nits.ac.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:**
Prof. Sivaji Bandyopadhyay,
Director, NIT Silchar.
- **Chairman:**
Dr. Arup Bhattacharjee, HOD,
Dept. of CSE, NIT Silchar
- **Course Coordinator from NIT Silchar:**
 - **Dr. Pinki Roy, Assistant Professor, Dept. of CSE, NIT Silchar**
 - **Dr. Shyamosree Pal, Assistant Professor, Dept. of CSE, NIT Silchar**
- **Course Coordinator from Gauhati University:**
 - **Dr. Parimita Sarma, Assistant Professor, Dept. of IT, GUIST, Guwahati.**
- **Advisory members:**
 - Dr. Biswajit Purkayastya
 - Mrs. Ujwala Baruah
 - Dr. Samir K. Borgohain
 - Mr. Prabhakar S. Neog
 - Mr. Biswanath Dey
 - Mr. Panth K. Nath
 - Dr. Saroj K. Biswas
 - Dr. Dalton M. Thounaojam
 - Dr. Badal Soni
 - Mr. Ripon Patgiri
 - Mr. Umakanta Majhi
 - Dr. Shyamapada Mukherjee
 - Dr. Laiphrakpam Dolendro Singh
 - Dr. Malaya Dutta Borah
 - Dr. Anish Kumar Saha
 - Dr. Thoudam Doren Singh
 - Dr. Anupam Biswas
 - Dr. Partha Pakray

How to reach NIT Silchar

There are daily direct flights from Kolkata, Guwahati and we had good train connectivity to major cities in India. Taxis are available from Airport to NIT Silchar. Silchar is also well connected by road and train from Guwahati.