

ORGANIZING COMMITTEE

- Patron: **Prof. Sivaji Bandyopadhyay**
Director NIT, Silchar
- Chairman: **Dr. Arup Bhattacharjee**
HOD, Dept. of CSE, NIT Silchar
- Course Coordinators from NIT Silchar:
 - Dr. Pinki Roy**
Assistant Professor, CSE Dept.
 - Dr. Partha Pakray**
Assistant Professor, CSE Dept.
 - Mr. Ripon Patgiri**
Assistant Professor, CSE Dept.
- Advisory Members:
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 - Dr. Anupam Biswas
 - Dr. Shyamosree Pal
 - Dr. Suganya Devi K.

REGISTRATION FORM

1. Name:
 2. Designation:
 3. Institution/Organization:
 4. Address for communication:
 5. E mail:
 6. Phone/Mobile No:
 7. Highest educational qualification:
 8. Accommodation required (Tick): Yes/No
 9. Any other information:
 10. Details of Registration Fee:
 11. D.D.No.:
Date:
 12. Bank:
- Place:
Date:
- Signature of the applicant*

Recommended by HOD/Section-In-Charge

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

ABOUT 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 Engineering
- Computer Science & Engineering
- Mechanical Engineering,
- Electrical Engineering,
- Electronics and Telecommunication Engineering
- Electronics & Instrumentation Engineering

Apart from the above, some AICTE approved Post-Graduate courses are also offered by the institute.

The department of Computer Science & Engineering 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/>

HOW TO REACH NIT SILCHAR

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



Five Days Workshop

On

Deep Learning Techniques & Tools: An Academic and Industrial Approach

(Under TEQIP-III)



From 8th to 12th April, 2019

NIT-Silchar



Last Date of Registration: 03.04.2019
Venue: CSE Dept., NIT-Silchar (Assam)

INTRODUCTION

Deep Learning is one of the newest and most popular areas in Machine Learning and Artificial Intelligence research now-a-days. In recent years, new state-of-the-art methods for fields like Computer Vision, Natural Language Processing, Speech Processing, etc. are being developed, most of which employ Deep Learning techniques. Moreover, due to the recent advancements in the field of Deep Learning, major breakthroughs are being observed in Health Informatics, Medical Diagnosis, Design of Self Driving Cars, Gaming Agent Development, etc. This workshop will introduce various Deep Learning tools and techniques, so that the participants get both theoretical and practical understanding of applying Deep Learning to their respective domains. An industry oriented approach will be taken in this workshop, so that the participants can gain hands on experience on tools like Tensorflow, Keras, Scikit-Learn, Pandas, Colab, etc. and how they can be applied to solve real life problems, via rigorous sessions lead by academic as well as industrial experts.



OBJECTIVE OF THE COURSE

The objective of the workshop is to enable theoretical and practical understanding of the most popular Deep Learning tools and techniques, via expert lectures and hands on sessions, led by industry professionals.

CONTENTS

In depth discussion sessions on various Deep Learning tools and techniques like Tensorflow, Keras, Scikit-Learn, Pandas, Colab, etc. will be carried out. Apart from this, the usage of these tools and techniques are to be discussed while keeping various application areas in mind. Practical implementations of these Deep Learning ideas are also to be done during the hands on sessions.

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.

ACCOMMODATION

All the outstation 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 experts from top software industries in R & D which will focus on industrial applications of deep learning tools and techniques.

HOW TO APPLY

For Online Transfer

Online –The participants may log on to the NIT Silchar website: www.nits.ac.in and fill up the application form.

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).

Bank Name:

Account Name:

Account No.:

IFSC Code:

Bank Name:

Bank Address:

Fee Details:

Internal Students: Rs. 500/-

External Students: Rs. 1000/-

Internal Faculty members: Rs. 1000/-

External Faculty members: Rs. 3000/-

Industry Persons: Rs. 5000/-

PROGRAM OUTCOMES

The participants are expected to understand:

- How deep learning works.
- How to formulate problems into deep learning framework.
- How to apply deep learning tools and techniques to solve the problems.
- When and why specific deep learning tools and techniques are to be applied for solving specific problems.

EXPERT DETAILS

- **Dr. Dinesh M S**
Senior Principal Scientist
Philips India Research
Bangalore



- **Dr. Amitava Das**
Lead Consultant
Wipro Research
Bangalore



- **Dr. Dipankar Das**
Assistant Professor,
CSE Dept.
Jadavpur University



- **Dr. Arindam Pal**
Research Scientist,
TCS Research and Innovation
(Embedded Systems & Robotics Group)



CONTACT DETAILS

For more details or any queries please contact

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