SERB Sponsored High-End Workshop

On

"Applications of Artificial Intelligence in Healthcare"

19th - 24th September 2022

Organized By

**Department of Computer Application
North-Eastern Hill University,
Tura Campus, Chasingre,
Tura-794002, Meghalaya, India.**

About the University and Department

The North-Eastern Hill University (NEHU) was established in 1973 and NEHU, Tura campus was established in February 1996. The Department of Computer Application established in the year of 2012, under the School of Technology, NEHU, funded by MHRD, Govt. of India, with a prime focus to impart quality, career/research-oriented course in computer application to produce best possible manpower in the field. The Department is offering Master of Computer Application (M.C.A.) programme and Ph.D. since 2013, and 2016 respectively.

About the Karyshala Workshop

"KARYASHALA" is an effort by the Science and Engineering Research Board (SERB) Government of India via "Accelerate Vigyan" to improve research productivity of promising PG and Ph.D. students from universities and colleges through high-end workshops on specific themes. This program aims to provide opportunities to acquire specialized research skills.

About the Workshop

Medical and technological advancements are going on over the last several years. It has enabled the growth of healthcare-related applications. The primary aim of health related AI based applications is to analyse relationships between clinical techniques and patient outcomes. AI based technologies are applied to practices such as diagnostics, drug development, clinical decisions, patient monitoring & care, electronic health records, and radiological tools etc.

This workshop will mainly highlight the recent practical exposure of different AI techniques and models applied on different healthcare sectors to develop intelligent user-friendly applications.

Objectives

- To explore the technical opportunities and challenges that Artificial Intelligence (which encompasses machine learning and deep Learning) offers for developing health sector applications.

- To demonstrate the computational algorithms, techniques, and models required to build exciting healthcare applications.

Resource Persons

Experts from various reputed Universities/Institutes will deliver expert talks to make the participants aware of the importance of AI in healthcare domain.

Participants Eligibility Criteria

1. PG and Ph.D. students working in the relevant area are eligible to apply.
2. The applicants must produce a letter of authentication from their Head of the Department / Head of the Institute indicating their association with the Institute and "No Objection Certificate (NOC)" for allowing their student to attend Karyashala, if selected.

Registration Process & Guidelines

1. The maximum number of participants is limited to 25.
2. All the selected participants will be given accommodation in the Institute with catering facilities.
3. Outside participating candidates will be eligible for TA reimbursement for their journey to the host institute from their hometown/home institute, both ways, as per the GOI norms.
4. The participants will be provided with the necessary stationery and consumable items for the workshop.
5. A certificate regarding successful completion shall be issued to the participants.

The applicant should fill out the online application form to apply using the web link given below:

https://forms.gle/Hk2gARQ7eP7ii2DW8

The last date to apply is 29/08/2022.

Chief-Patron

Prof. P.S. Shukla
Vice-Chancellor, NEHU, Shillong.

Patron

Prof. Sujata Gurudev
Campus In-Charge,
NEHU, Tura Campus.

Event Organizer

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All Faculty members of Computer Application Department, NEHU, Tura Campus.