



MeitY Sponsored Two Day Workshop on “Recent Trends in Information Technology, Networking, Communication and Healthcare”



11-12 March 2023

**Department of Computer Science and Engineering
Tezpur University, Napaam, Assam, 784028**

About the Program:

The workshop aims to provide awareness on selected topics in Information Technology and understanding of specific topics in the domain of Networking, Communication and Healthcare. The workshop has eminent resource persons from Academia and Industry to guide the participants in pursuing research and development in some specific areas. The speakers will also include an overview of the tools and applications used in the specific domains and aim to equip the audience with the necessary knowledge to get the complete essence during the hands on sessions. Industry personnel will deliver lectures on the applications of IoT, SDN, HealthCare, IoT Security, Mobile Edge Computing and few other areas.

Speakers

Manoj Patra

VP of Engineering at Paya (ex-Google, ex-Microsoft & 2 successful startups), Milpitas, California, United States

Prof. D. K. Saikia

Professor, Department of CSE, Tezpur University

Dr. Arzad Alam Kherani

Associate Professor, Department of Electrical Engineering and Computer Science, IIT Bhilai,

Dr. Alakesh Kalita

Research Fellow, Electrical and Computer Science Engineering, National University of Singapore

Speakers

Dr. Hiten Choudhury

Associate Professor, Dept. of Computer Science & Information Technology, Cotton University

Prof. Dhruba Kumar Bhattacharyya

Vice-Chancellor and Professor, Tezpur University

Dr. Arijit Roy

Assistant Professor, IIIT Sri City, Chittoor

Mr. Suresh V

Associate Director, C-DAC Pune

Priyanka Bardalai

Principal Engineer, Starhub Singapore

Target Audience: Faculty, Research scholars, PG & UG Students

How to apply:

1. The applicant should fill the online form to apply using the link: <https://forms.gle/pdgXYvobeSMXRJrD7>



2. There are only limited seats and your confirmation will be based on first come first serve basis.

Patron:

Prof. Dhruba K Bhattacharyya,
Vice Chancellor, Tezpur University

Advisors:

Prof. Dilip K Saikia,
Professor, CSE

Prof. Smriti K Sinha,
Professor, CSE

Prof. Partha P Sahu,
Dean, SOE

Prof. Nityananda Sarma,
Professor, CSE

Prof. Sarat Saharia,
Head, CSE

Prof. Utpal Sharma,
Professor, CSE

Venue:

**Seminar Hall, Dept. of Computer Science & Engineering
Tezpur University**

Participants will have to arrange their own travel and accommodation. A working lunch and refreshment will be provided during the workshop hours.

The workshop is to be organized in offline mode. Resource persons will deliver their lectures either in-person or virtual mode. After registering in the google-form, participants will have to confirm his/her registration in the registration desk on the first day. Participants will have to be present in the seminar hall for all the sessions.



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About the University:

Tezpur University was established by an Act of Parliament in 1994. The objects of this Central University as envisaged in the statutes are that it shall strive to offer employment oriented and interdisciplinary courses to meet the local and regional aspirations and the development needs of the state of Assam and also offer courses and promote research in areas which are of special and direct relevance to the region and in emerging areas in Science and Technology.

About the Department:

The Department of Computer Science was started in July, 1994 under the school of Science and Technology. It was started with the object of promoting specialized knowledge in the field of Computer Science and Computer Application. In view of the world-wide shortage of skilled manpower in the field of Information Technology, the Department strives to channelize talented youth of the region to this challenging and knowledge intensive field by imparting quality technical knowledge and skills in the field. The Department of Information Technology was started in July, 1997 under the school of Science and Technology. The Department of Computer Science and the Department of Information Technology was merged in 2004 and renamed as Department of Computer Science and Information Technology.

Vision:

To be a dedicated center of learning and research in computer science and engineering for creating competent professionals capable of taking leading roles in industry, academia, entrepreneurship and application.

Mission:

1. To create a lively environment for the students and faculty for personal and professional growth with high ethical standards.
2. To continuously upgrade the curriculum and laboratory facilities to train the students in latest technology for better employability.
3. To involve the students in individual as well as team projects for solving challenging problems in computer engineering and applications.
4. To create a center of excellence on frontier areas of research.
5. To facilitate consultancy work by the faculty for industry and the public sectors.

Tentative Schedule:

The following is the tentative schedule of the sessions.

Day1 (11-03-2023)	Day 2 (12-03-2023)
Inauguration: 9.00 AM to 10.00 AM	Lecture Session 5: 9.00 AM – 10.30 AM: Dr. Hiten Choudhury “OneM2M Standard and Security Issues in IoT”
High Tea: 10.00-10.30 AM	Tea break: 10.30 AM – 11.00 AM
Lecture Session 1: 10.30 AM -12.00 PM: Speaker: Mr. Manoj Patra “Trends in Modern Communications - Technological advancements and social adoption”	Lecture Session 6: 11.00 AM – 12.00 PM: Prof. Dhruba Kumar Bhattacharyya “AI/ML in smart Healthcare solution - a sustainable approach”
Lecture Session 2: 12.00 PM – 1.00 PM: Speaker: Prof. D. K. Saikia “SDN Frameworks”	Lecture Session 6: 12.00 PM – 1.30 PM: Dr. Arijit Roy “X-as-a-Service in IoT”
Lunch break: 1.00 PM – 2.00 PM	Lunch Break: 1.30 PM – 2.30 PM
Lecture Session 3: 2.00 PM – 3.30 PM: Speaker: Dr. Arzad Alam Kherani “Mobile Edge Computing and It's Standardization Aspects”	Lecture Session 7: 2.30 PM – 4.00 PM: Mr. Suresh V “5G/6G use-case in Healthcare”
Lecture Session 4: 3.30 PM – 5.00 PM: Speaker: Dr. Alakesh Kalita “A Tutorial on 6TiSCH IoT Network”	Lecture session 8: 4.00 PM – 5.00 PM: Priyanka Bardalai “Software-Defined Network applications from Industry perspective”
Hands-on Session: 5.00 PM – 6.00 PM: Dr. N. Medhi “Working with SDN Frameworks- OpenFlow & P4”	5.00 PM – 5.30 PM: Valedictory Session

**Timings are however subject to changes based on the conveniences of the resource persons. For any such change, we will notify the participants via mail or messaging.

Coordinators of the workshop:

Dr. Nabajyoti Medhi, (nmedhi@tezu.ac.in)
Assistant Professor, Department of CSE

Dr. Sanjib Kumar Deka, (sdeka@tezu.ernet.in)
Associate Professor, Department of CSE

Contact numbers for support: 9678133104, 8811010125