



AICTE SPONSORED FACULTY DEVELOPMENT PROGRAMME

ON

MACHINE INTELLIGENCE AND INTERNET OF THINGS (IoT)

February 19 - 23, 2018



Organized by: Department of Computer Science and Engineering, Tezpur University, Napaam, Assam-784028

The one week long faculty development program (FDP) on MACHINE INTELLIGENCE AND INTERNET OF THINGS (IoT) is designed to disseminate knowledge on various methodologies of machine intelligence and IoT and their applications in today's world. It is anticipated that the participants would gain far reaching insights and enrich their knowledge in this field.

This FDP is supported by AICTE-NEQIP and it is planned keeping in view a wide range of topics of current teaching, research and innovation trends going on in the domain of Machine Intelligence and IoT.

MACHINE INTELLIGENCE TRACK:

Topics to be covered (but not limited to):

- Automation and machine learning
Machine learning algorithms & paradigms
Machine Intelligence
Hot topics on Machine Intelligence

Illustrative hands-on session:

- Machine learning using Python with Scikit and TensorFlow library

IoT TRACK:

Topics to be covered (but not limited to):

- IoT and its applications
IoT & Enterprise
IoT revolutionizing Transportation
Perception of Internet of Everything
Smart cities & IoT
Software-Defined Networking

Eminent experts and researchers from prestigious academic institutes and IT Industries such as - University of Missouri-Kansas City, University of Colorado, IITG, IIIT Manipur, TU, CDAC, Intel and Ekagga will deliver lectures and engage in interactions.

Event deadlines:

Expression of interest: 02/02/2018
Selected participant list: 05/02/2018
Submission of registration form: 12/02/2018
Event dates: 19/02/18 - 23/02/18

Eligibility:

Faculty members from various government or private Engineering Colleges / Institutions / Universities with teaching and research interests in the area of algorithms, or working professionals from industry / R&D organizations with any of the above specializations, are invited to participate.

Venue:

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

PATRON

Prof. M. M. Sarma, Vice Chancellor, TU

ADVISORS

- Prof. D. K. Bhattacharyya, Dean, Academic Affairs
Prof. C. L. Mahanta, Dean, School of Engineering
Prof. N. Sarma, Head, CSE, TU
Prof. D.K. Saikia, CSE, TU
Prof. U. Sharma, CSE, TU
Prof. S.K. Sinha, CSE, TU
Prof. B. Bora, CSE, TU
Dr. S. Saharia, Head, Computer Centre, TU

COORDINATORS

- Dr. Sanjib K. Deka, Assistant Professor, CSE, TU
Mrs. Sanghamitra Nath, Assistant Professor, CSE, TU
Mr. Nabajyoti Medhi, Assistant Professor, CSE, TU
Phone: 03712 - 275114 / 275122/5352
E-mail: fdpcse@tezu.ernet.in

Handwritten signatures and stamps at the bottom of the page.

Tezpur University was established by an Act of Parliament in 1994. The objectives 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.

The Department of **Computer Science and Engineering** came into being in 2006. The department strives to impart quality technical knowledge and skills in the field of Computer Science and Computer Application, and also aims to contribute towards research in the field of Computer Science & Information Technology, to fulfill the increasing demand for highly qualified manpower in the field for Industries as well as academic institutions. The programmes currently offered under this department are B. Tech in Computer Science & Engineering, MCA, M. Tech in Information Technology, and PhD in Computer Science and Engineering. The Department envisions being a dedicated centre of learning and research in Computer Science & Engineering for creating competent professionals capable of taking leading roles in industry, academia, entrepreneurship and application.

The Department of CSE is accredited by National Board of Accreditation for B.Tech (CSE) and has been nominated by UGC as a Participant of BRICS Network University. It has been selected for setting up MHRD's Centre of Excellence based on Machine Learning and Big Data Analysis, for the period 2014-2019. It has also been selected for UGC SAP DRS-II in the area of Big Data Analytics- Bioinformatics, Network Security and Robotics for the period 2015-2020. A High Performance Computing Centre has been established at the department in June 2015 to provide high end computing facility to the scientific researchers of North-East region. The department was awarded DST-UKIERI Project on 'BCI as an Intelligent Sensor: BCI Integrated Collaborative Control of a Cognitively Enhanced Smart Wheelchair' in collaboration with University of Essex, United Kingdom, for the period 2014-2016.

The number of participants is limited to 50. The registration fee is Rs. 500/- (five hundred only) for faculties of Universities, Colleges and R&D institutions. For working professionals from Industries or other organizations the registration fee is Rs. 1000/- (One thousand only). The interested participants should send a mail expressing their interest to fdpcse@tezu.ernet.in on or before 02/02/2018. The selected participants will be intimated through email by 05/02/2018. Selected participants should send the scanned copy of the duly filled registration form and the demand draft on or before 12/02/2018 to fdpcse@tezu.ernet.in.

Once selected, participants should send a mail regarding their accommodation preference (university hostels/guest house). For hostel accommodation no charges will be levied. Guest house accommodation is subject to availability and charges have to be borne by the participants. No TA/DA will be provided to the participants.

All mails should be directed to fdpcse@tezu.ernet.in.

Accommodation for participants is limited and will be provided subject to prior intimation via mail and on a first-come-first-serve basis.

Regular bus services are available from Guwahati (ISBT) to Tezpur ASTC Bus Station via Nagaon or Mangaldai. To reach Tezpur University, University Bus Services are available from Tezpur ASTC Bus Station via Paruwa to University Campus.

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07/02/2022



Faculty Development Programme

On

"Machine Intelligence and Internet of Things (MI&IoT)"

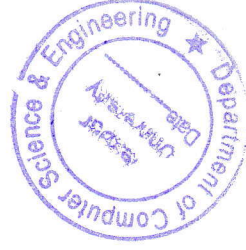
February 19 -23, 2018

Organized by

Department of Computer Science & Engineering, Tezpur University
Supported by AICTE-NEQIP

Programme Schedule

Date/Time	19/02/2018(Monday)	20/02/2018(Tuesday)	21/02/2018(Wednesday)	22/02/2018(Thursday)	23/02/2018(Friday)
9:00 AM-9:30 AM	Registration				
9:30 AM-11:00 AM	Inauguration & Talk on ML in Big Bioinformatics, Data Analytics (Prof. D. K. Bhattacharyya, TU)	ML and NN (Prof. Jugal Kalita, University of Colorado Springs, USA)	ML using Python with Scikit & tensor Flow library (Th.D. Singh, IIIT-Manipur)	Smart Cities & IOT (Mr. Praveen Kumar, Ekkaga Technologies, Bangalore)	SDN approaches in Big Data (Prof. D. Medhi, University of Missouri, Kansas, USA)
11:00 AM-11:15 AM	Interaction	Interaction	Interaction	Interaction	Interaction
11:15 AM-11:30 AM	TEA BREAK	TEA BREAK	TEA BREAK	TEA BREAK	TEA BREAK
11:30 AM-1:00 PM	ML-AI Resurgence & Future (Mr. G. Phukan, INTEL, Bangalore)	Industrial IOT (Suresh V., CDAC-Pune)	Neural Network & Deep Learning (Dr. B. Borah, TU)	IoT & Machine Intelligence (Prof. S. M. Hazarika, IIT-Guwahati)	SDN and NLP/IOT (Prof. D. K. Saikia, TU)
1:00 PM-2:00 PM	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK
2:15 PM-3:45 PM	IOT-Changing the world (Mr. G. Phukan, INTEL, Bangalore)	Approximate Computing (Prof. S. Nandi, IIT-Guwahati)	ML using Python with Scikit & tensor Flow library (Demo/Lab)(Th. D. Singh, IIIT-Manipur)	Hands-on on IoT device (Mr. Praveen Kumar, Ekkaga Technologies, Bangalore)	Valedictory
3:45 PM-3:55 PM	Interaction	Interaction	Interaction	Interaction	Interaction
3:55-4:00 PM	TEA BREAK	TEA BREAK	TEA BREAK	TEA BREAK	HIGH TEA
4:00-5:30 PM		IoT 4.0 (Suresh V., CDAC-Pune)	Ethics in setting up an IoT startup (Prof. U. Sharma, TU)		



07/02/2018
Prof. D. Medhi
Department of Computer Science & Engineering
Tezpur University



25th Anniversary Years

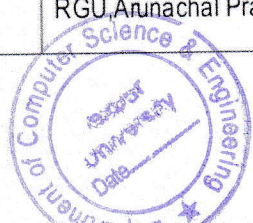
List of Participant
AICTE-NEQIP Sponsored
Faculty Development Programme on MI & IoT
 Department of Computer Science and Engineering, Tezpur University, Assam



19-23 February, 2018

Sl.No	Name of the participant	Affiliated Institute	E-mail
1	Abhijit Boruah	Dibrugarh University	abhijit.btcs06@gmail.com ✓
2	Akalpita Das	GIMT, Tezpur	dasakalpita@gmail.com ✓
3	Amar Taggu	NERIST, Arunachal Pradesh	ataggu@gmail.com ✓
4	Ankur Saikia	TU	asaikia@tezu.ernet.in ✓
5	Arup Roy	TU	arup@tezu.ernet.in ✓
6	Manoj Muchahari	Kaziranga University	✓
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8	Himanish S. Das	BIT, Mesra	hsdas0815044@googlemail.com ✓
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10	Arindam Karmakar	TU	
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20	Rosy Sarmah	TU	
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22	Ankita Chakraborty	RGU, Arunachal Pradesh	ankita.chakraborty607@gmail.com ✓

Recy form to be submitted



Boruah
07/02/2022

Head
Department of Computer Science & Engo

23	Bhaskar Jyoti Chutia	RGU, Arunachal Pradesh	bhaskarjyotichutia@gmail.com ✓
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29	Reema Joshi	St. Edmunds College, Shillong	reema.csc@gmail.com ✓
30	Sutirtha Chakraborty	Bhagalpur College of Engineering	sutirtha38@gmail.com ✓
✓31	Juwesh Binong	NEHU, Shillong	binong.j@gmail.com ✓
32	Nayan Jyoti Kalita	Royal Global University, Guwahati	nayan.kalita@rgi.edu.in ✓

33

Kongkon Kalita

CIT (050492) ✓

34

Pranjol Goswami

TU (050493) ✓



Borah
07/02/2022

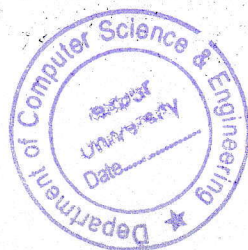
Head
Department of Computer Science & Engg
Tazpur University



Photo1: (FDP MI &IoT) Organizing Committee with Participants



Photo2: (FDP MI &IoT) Participants



B. Borah
07/02/2022
Head
Department of Computer Science & Engg.
Tezpur University

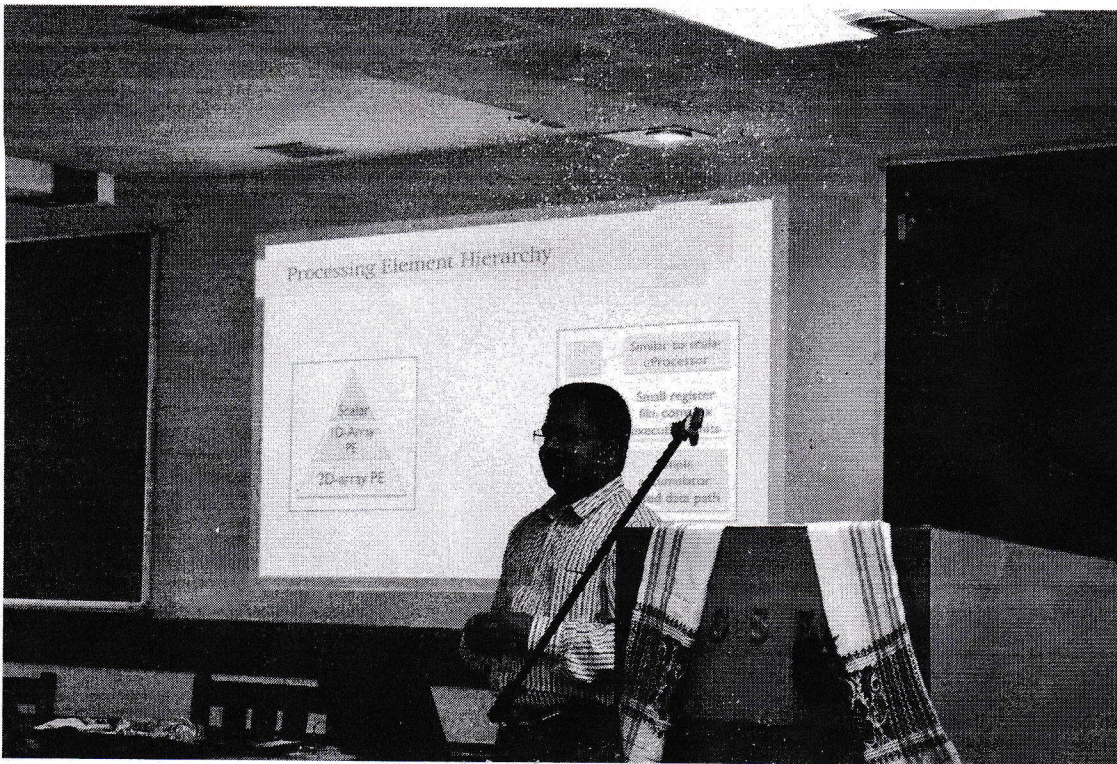


Photo3: (FDP MI &IoT) lecture on Approximate Computing by Prof. S. Nandi, IITG

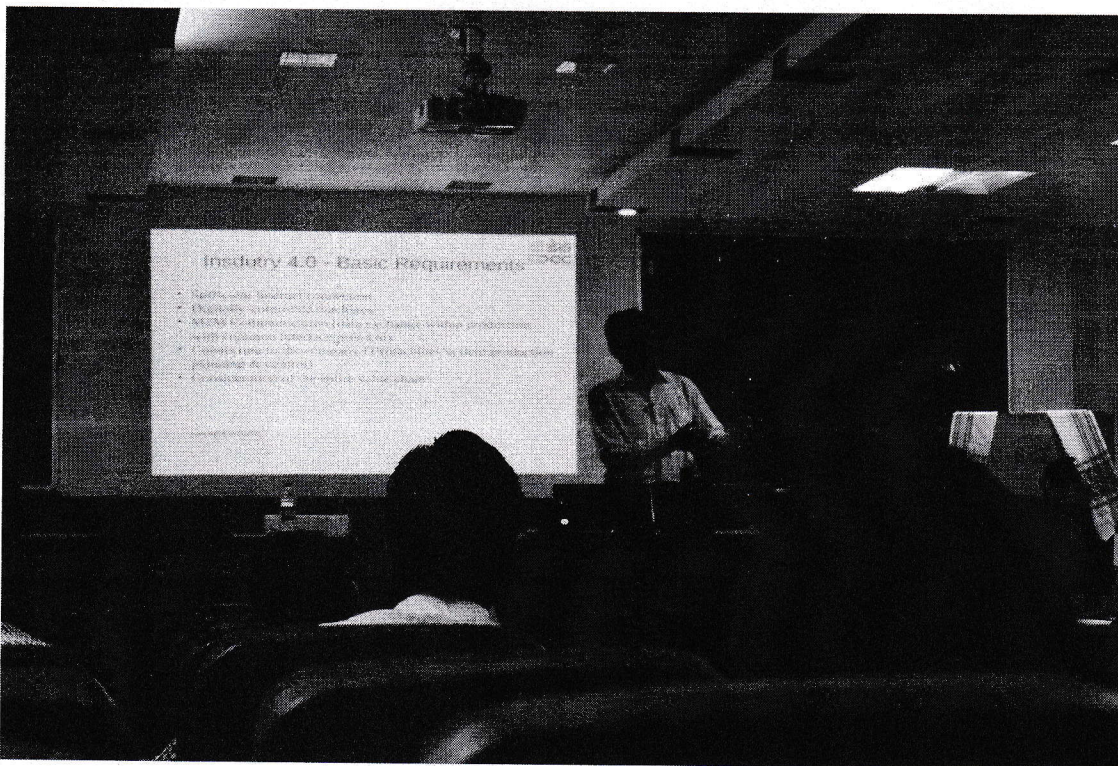
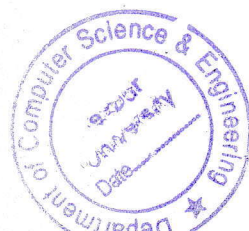


Photo4: (FDP MI &IoT) lecture on Industrial IoT by Mr. Suresh V., CDAC-Pune



RB Parashy
 07/02/2022
 Head
 Department of Computer Science & Engg
 Tezpur University

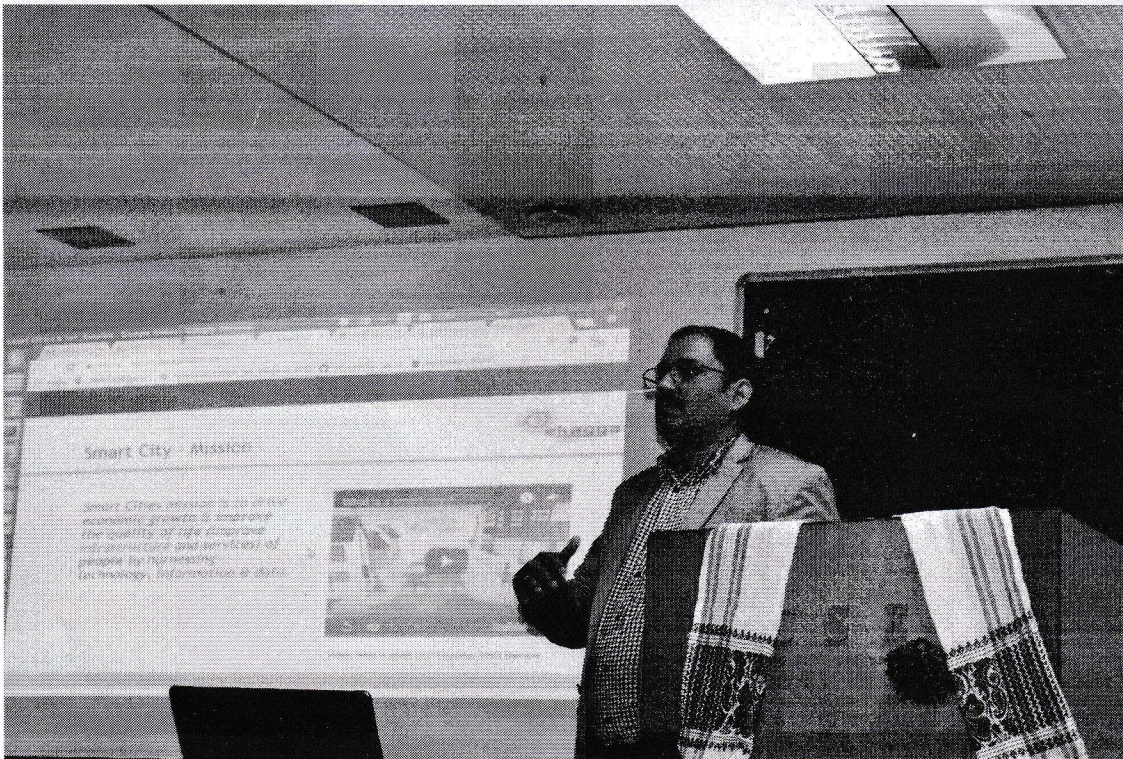


Photo5: (FDP MI &IoT) lecture on Hands on onIoT& Machine Intelligence by Mr. Praveen Kumar, Ekkaga Technologies, Bangalore

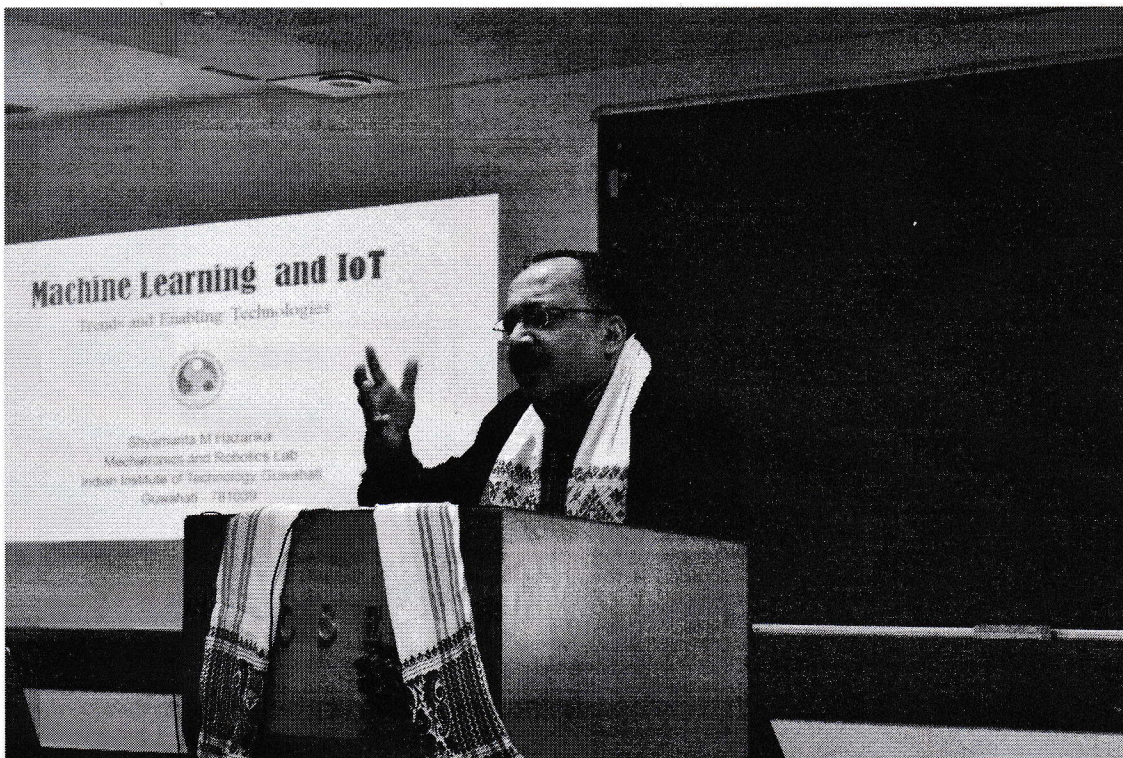


Photo6: (FDP MI &IoT) lecture on IoT& Machine Intelligence by Prof. S. M. Hazarika, IITG



Praveen
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