# 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

*25 Glorious Years*

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 Machine Intelligence and IoT, 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
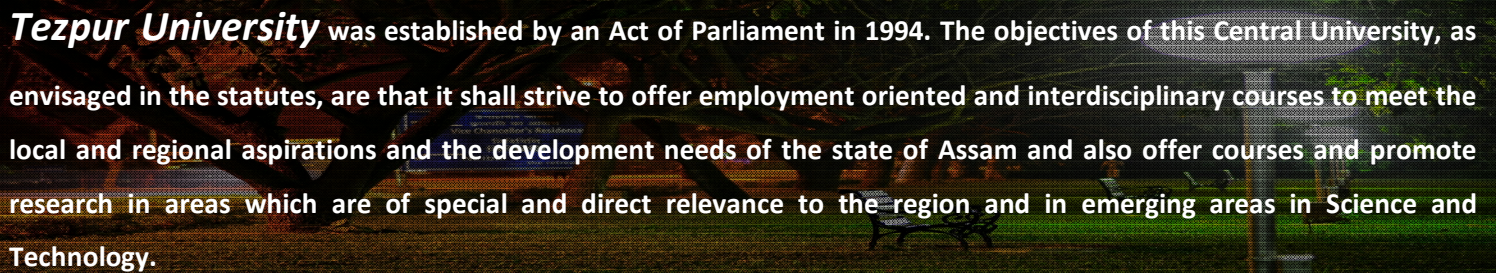**Prof. M. M. Sarma, Vice Chancellor, TU**

### 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 - 27- 5114 / 5122 / 5352

E-mail: fdpcse@tezu.ernet.in

**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, established in 1994, and the Department of Information Technology, established in 1997, merged and over time transformed into the Department of Computer Science and Engineering 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 in 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 was 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 hundreds only) for faculties of Universities, Colleges and R&D institutions. For working professionals from the Industry or other academic 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 *mentioning clearly his/her educational qualification, specialization, current designation and years of teaching experience*. 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 buses are available from Guwahati (ISBT) to Tezpur ASTC Bus Station via Nagaon or Mangaldai. To reach Tezpur University, University Buses are available from Tezpur ASTC Bus Station via Paruwa to University Campus.

## REGISTRATION FORM

Name: Dr/Mr./Ms. _____

Designation: _____

Department: _____

Qualification (Degree) : _____ Specialization : _____

Institution Name: _____

Years of Teaching Experience: _____

Is the Institution approved by AICTE?:  Yes / No        Accommodation required?:  Yes / No

Address for communication: _____

_____

_____

Phone: _____        Mobile: _____

E–mail (mandatory): _____

PAYMENT DETAILS:

Bank:                                        Demand Draft No.:

Place:                                       Date:

Signature of the applicant

------------------------------------------------------------------------------------------------------------

## RECOMMENDATION

Dr./Mr./Mrs.----------------------------------------------------------------, an employee of our organization / department is hereby allowed to attend the FDP on "MACHINE INTELLIGENCE AND INTERNET OF THINGS (IoT)" at Tezpur University, during 19 Feb – 23 Feb, 2018.

Date:                                        Signature of the Recommending Authority
                                             Designation:

                                             Office Seal:

------------------------------------------------------------------------------------------------------------

## DECLARATION BY THE APPLICANT

The above mentioned information is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing AICTE – FDP programme. I shall attend the programme for the entire duration.

Signature of the applicant