

Resource Persons

Prof. K. K Shukla, IIT BHU

Dr. V. Vijaya Saradhi, IIT Guwahati.

Prof. Rajesh Kumar, MNIT Jaipur

Dr. Chandresh Morya, IBM Research Lab, Bangalore

Dr. Anupama Ray, IBM Research Lab, Bangalore

Dr. Thoudam Doren Singh, NIT Silchar

Dr. Arun Chauhan, IIIT Dharwad

TEQIP-III & NMHS Sponsored

Five Day Workshop

on

Data Science: Industry and Research Perspectives

(29 October, 2018 to 02 November, 2018)

Registration

For registration details, please visit following website
<http://2018nitm.nitmeghalaya.in/events>

Contact Details

Dr. Diptendu Sinha Roy Head of Department diptendu.sr@nitmacin 9436124204	Dr. Yogita Coordinator yogitathakran@nitm.ac.in 9485185905	Dr. Vipin Pal Coordinator vipinpal@nitm.ac.in 9485185960
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Organized by

*Department of Computer Science & Engineering
National Institute of Technology Meghalaya*

About Institute

The National Institute of Technology (NIT) Meghalaya is one among the thirty NITs in India established under the NIT Act 2007 (Amended 2012) of the Parliament of India as Institutes of National Importance. The vision of institute is to be a centre of excellence vibrant with academic activities and bubbling with youthful creative energy, making significant contribution to the world of knowledge and technology and to the development of the state, the region and the nation.

About Department

The Department of Computer Science & Engineering, NIT Meghalaya offers B.Tech, M.Tech and Ph.D degree in Computer Science and Engineering discipline. The department has adequate facilities to support teaching and research activities. The Computer Science and Engineering department makes all efforts in imparting high quality education to its highly motivated students. One of the aims of this department is to play its role of producing Computer Engineers ready to satisfy the needs of the Computer and IT world.

About Sponsors

The TEQIP (Technical Education Quality Improvement Programme) is a World Bank initiative to improve efficiency and effectiveness of the Technical education management system. NIT Meghalaya has been selected as focused institute under TEQIP-III.

The Government of India has launched a Himalaya-dedicated “National Mission on Himalayan Studies (NMHS)” in 2015 as a Central Sector (CS) Grant-in-Aid Scheme, realizing the Himalaya necessary for ensuring “Ecological Security of the Nation”. The vision of NMHS is “To support the sustenance and enhancement of the ecological, natural, cultural, and socio-economic capital assets and values of the Indian Himalayan Region (IHR)”.

About Workshop

Data science deals with the analysis and extraction of useful patterns from large amount of data. In today’s scenario almost every application is generating lots of data such as real time surveillance, social media, telecommunication networks, medical applications, web clicks and many more to list. This data explosion has led to the increased demand for analyzing the data for gaining useful insights in both industry and research. The field of data science is constantly evolving and advancing with new technologies to address these issues and fulfill the demand. The aim of this workshop is to explore and discuss new advancement in methods, applications and industry and research trends in the field of data science. It will provide a forum for exchange of ideas among eminent researchers, academicians and students so that important challenges that need to be addressed, both in theory and practice, for further enhancement of data science can be identified.

Topics to be covered

- ML for Big Data in the stream mode
- Sampling data from a stream, Queries over a sliding window
- Representing streams by buckets
- Clustering for streams, Stream clustering algorithm – BDMO, Bloom Filters
- Counting frequent items
- Stream classification algorithms & Stream analysis platforms
- Recommender systems
- Optimization techniques for data analysis
- Social media analysis & Text mining and applications
- Applied Machine Learning & Deep Learning