

Department of CSE, JNTUH College of Engineering, Hyderabad

in association with

The Institute of Electrical and Electronics Engineers, Inc

Computational Intelligence Society Chapter, Hyderabad.

Presents a one day Workshop (Under TEQIP-II) on

Machine Learning on BIGDATA with HADOOP

By

Prof. C. A. Murthy, Professor, Machine Intelligence Unit, ISI Kolkata

Mr. T. Pranabh Kumar, Principal Software Engineer, ORACLE

### Date & Time :

26<sup>th</sup> November, 2016 ,  
10:00 AM to 5:15PM

**Location:** Seminar Hall, Dept.  
of CSE, JNTUCE Hyderabad  
<https://goo.gl/maps/yL1gUzadbQu>

### Registrations:

IEEE Members : Rs 300/-

Others : 400/-

Note : Certificates will be issued to  
registered participants

### Registration Link

<https://goo.gl/forms/Xd7tnWnxZx04d3Rm2>

Note : Payments can be made  
during registrations at the venue,  
Only multiples of Rs. 100 are  
accepted

### For queries please contact:

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### Abstract:

Machine learning is a branch of Artificial Intelligence (AI) that provides the ability to the Machines (Computers) to learn and change when exposed to new data. Machine learning algorithms are broadly categorized into supervised and unsupervised learning algorithms. Supervised algorithms can apply what has been learned in the past to new data. Unsupervised algorithms can draw inferences from datasets. Now-a-days, analysing BIGDATA and find useful inferences became an interesting research area. This workshop provides an overview of Machine Learning techniques to explore, analyze, and leverage data. Apache Hadoop, which is an open-source software framework used for distributed storage and processing of very large data sets, will be introduced. Further, hands on session will be organized to implement machine learning tasks for bigdata using Apache Spark and Mahout.

### Agenda

10:00 AM to 11:30 AM	Session 1: Machine Learning Overview Speaker: Prof. C. A Murthy
11:45 AM to 1:15 PM	Session 2: Machine Learning on BIGDATA Speaker: Prof. C. A Murthy & Mr. Pranabh
1:15 to 2:00PM	Lunch Break
2:00 to 3:30 PM	Session 3: Handson Hadoop Basics Speaker: Mr. Pranabh
3:45 to 5:15 PM	Session 4 : Handson Machine Learning using Spark and Mahout Speakers: Prof. C. A Murthy & Mr. Pranabh

## BIO of Prof. C. A. Murthy



**Prof. C. A. Murthy** obtained B. Stat (Hons), M. Stat. and Ph. D. degrees from the Indian Statistical Institute (ISI). He visited the Michigan State University, East Lansing in 1991-92 for six months, and the Pennsylvania State University, University Park for 18 months in 1996 - 97. He is a Professor in the Machine Intelligence Unit of ISI. His fields of research interest include Pattern Recognition, Image Processing, Machine Learning, Neural Networks, Fractals, Genetic Algorithms, Wavelets and Data Mining. He received the best paper award in 1996 in Computer Science from the Institute of Engineers, India. He received the Vasvik award along with his two colleagues for Electronic Sciences and

Technology for the year 1999. He is a fellow of the National Academy of Engineering, India and National Academy of Sciences, India. He was the head of the Machine Intelligence Unit, ISI from 2005 to 2010.

**Research Interests:** Pattern Recognition, Computer Vision, Image Processing, Machine Learning, Neural Networks, Fractals, Genetic Algorithms, Fuzzy Logic, Wavelets and Data Mining.

## BIO of Mr T. Pranabh Kumar



**Mr. Pranabh Kumar** has over 10 years of experience working as a solutions architect on Java/J2EE technologies and Big Data/Hadoop for the last 4 years. Passionate to teach, architect products and solve Big Data problems. He has excellent hands on experience on Hadoop, Java Technologies, Database Systems and NoSQL Systems.

Mr. Pranabh Kumar obtained certifications from Cloudera as a Developer for Apache Hadoop (CCDH), Administrator for Apache Hadoop (CAAH) and Specialist in Apache HBase. As an Architect/Developer, he designed the data platform based on Big data tools, developed a quick POC to enable top management to understand importance design changes and implemented the best practices of Hive, Pig, HBase. He is an expert in Mapreduce programming, developed different Mapreduce programs for user analytics, developed multiple MapReduce jobs in java for data cleaning and preprocessing, integrated the Hadoop and Qlikview.