

## **ABOUT THE INSTITUTION**

### **ANNA UNIVERSITY, BIT CAMPUS**

Bharathidasan Institute of Technology Anna University Regional Centre Tiruchirappalli is a constituent institution of Anna University Chennai situated 17 Kms from Tiruchirappalli on the main highway to Pudukkottai.

The Institution has the following Departments:

- Department of Civil Engineering and Mechanical Engineering
- Department of EEE/ECE
- Department of CSE/ IT
- Department of Pharmaceutical Engineering
- Department of Biotechnology & Petrochemical Technology
- Department of Computer Applications (MCA)
- Department of Management Studies (MBA)
- Department of Automobile Engineering
- Humanities and Science Division

### **ABOUT THE DEPARTMENT**

The Department of Computer Applications established in the year 2007, offers a three years course in Master of Computer Applications (MCA) with an objective to impart quality education in the field of Computer Science. It provides a foundation in computer concepts and techniques with emphasis on computer applications. The Department encourages and supports student's success through enhancing technical knowledge in the major research areas like Data Structures and Algorithms, Computer Networks, Data Mining, Mobile Ad-hoc Networking, Grid Computing, Cloud Computing, reliability and safety in computing systems and Pervasive Computing Technologies.

### **SRESA TRICHY CHAPTER**

Society for Reliability and Safety was established in the year 2010 with an objectives of the society is to promote and develop reliability & safety engineering sciences. The society delivers reliability & safety engineering courses and services for any kind of energy systems like nuclear and thermal power plants, research reactors, and other industrial plants like nuclear irradiators, reprocessing plants, conventional process and chemical industry. Also society caters the need of ageing studies and remaining life assessment and diagnosis in scientific and technical manner. They promote research in the area of installation safety and security towards formulating tools & method for assessment of design basis threats and mitigation systems.

## **INTRODUCTION**

Modern highly networked systems in Safety critical industries are facing challenges of analyzing massive, complex data sets, often when such data is in a constant state of change. Managing and analyzing those data sets is significantly a challenging process. This has produced impact on wide range of domains – Health care system, disaster management, power plant, telecommunication industries etc.

These challenges are the current inspiration for much of the innovation in analytics information systems, giving birth to relatively new machine analysis concepts such as complex event processing, full text search and analysis, and even new ideas in presentation.

One such innovation is the introduction of grid-like architecture in machine analysis, allowing increases in the speed of massively parallel processing by distributing the workload to many computers all with equal access to the complete data set.

Apply analytics to industrial data to describe, predict, and improve industry safety and performance. The outcome of the Analytics is the discovery, interpretation, and communication of meaningful patterns for current data set.

Predictive models in the safety critical systems are developed to bring certainty across the risk scores for individual systems.

The purpose of this workshop is to provide collaboration among industries, research institutions and academic institutions in analytics, machine language learning and safety critical systems.

### **Topics included in the workshop:**

- **Advanced Analytical techniques.**
- **Advanced Machine language learning for safety critical systems.**
- **Spark Framework**
- **R Programming.**
- **Predictive Analysis – Fault identification.**
- **Real time industrial data - use case demo.**



**TWO DAYS  
NATIONAL LEVEL  
WORKSHOP ON**



**ADVANCES IN HIGH DIMENSIONAL  
BIG DATA FOR INDUSTRIAL SAFETY  
CRITICAL SYSTEMS**

**AUGUST - 5 & 6, 2016**



Organized by

**DEPARTMENT OF COMPUTER  
APPLICATIONS**

&

**SRESA TRICHY CHAPTER**

**ANNA UNIVERSITY**

**BIT Campus  
Tiruchirappalli 620024  
www.aubit.edu.in**

## ORGANIZING COMMITTEE

### CHIEF PATRON

Hon'ble Vice Chancellor,  
Anna University, Chennai.  
Chennai - 25

### PATRON

**Dr.S.Ganesan,**  
Registrar,  
Anna University Chennai.  
Chennai - 25

### CHAIRMAN

**Dr.T .Senthil Kumar,**  
Dean,  
BIT Campus – Trichy.

### Dr.P .V .Varde

outstanding scientist (H),  
Head, Research Reactor Services Division,  
BARC, Mumbai.

### CONVENOR

**Dr.A.Valarmathi,**  
HOD/Department of Computer Applications  
Anna University, BIT campus, Trichy.

### ORGANIZING SECRETARY

**Dr.P.Vaishnavi ,**  
Assistant Professor  
Department of Computer Applications  
Anna University, BIT Campus, Trichy.

### FACULTY MEMBERS:

Dr.S.Sujatha, A.P / CA

Dr.N.Shenbagavadivu, A.P/CA

Mrs.S.Geetha, A.P / CA

Mrs.S.Nalini, A.P / CA

Mrs.R.Karthiyayini, A.P / CA

Dr.P.Senthil Pandian, T.F/CA

Ms.C.Kanimozhi T.F/CA

Mrs.P.Kardeepa, T.F / CA

### RESEARCH SCHOLARS:

Mrs .S.Ananthi

Mrs.R.Krithika

## REGISTRATION DETAILS

### Registration Fee

UG/PG Students : 300/-

Research Scholars : 400/-

Faculty Members : 750/-

Last date for Registration : 29.7.2016

Only limited registrations will be accepted on the first come first serve basis. The registration fee has to be paid in the form of D.D in favour of "HOD/MCA" payable at Trichy. The applicants can send the completed registration form along with the D.D to the address given below.

### Organizing Secretary

#### Dr.P.Vaishnavi

Assistant Professor  
Department of Computer Applications  
BIT Campus, Anna University,  
Tiruchirappalli 620024  
Off: 0431-2407979, 39  
Mobile : +91 7708999628  
E-mail: vaishmk@gmail.com

## Two day's National level Workshop On "ADVANCES IN HIGH DIMENSIONAL BIG DATA FOR INDUSTRIAL SAFETY CRITICAL SYSTEMS"

August 5 & 6, 2016

### REGISTRATION FORM

Name: Dr./Mr./Ms.: \_\_\_\_\_

Designation: \_\_\_\_\_

Department: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Pin: \_\_\_\_\_ Phone: \_\_\_\_\_

Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

### Fee Payment Details

DD Issuing Bank \_\_\_\_\_ Branch: \_\_\_\_\_

Amount: Rs. \_\_\_\_\_ DD No. \_\_\_\_\_

Date: \_\_\_\_\_

Date:

Place:

Signature

**ANNA UNIVERSITY**  
**BIT Campus, Tiruchirappalli 620024**  
**ahdb2k16@gmail.com**  
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