

**VAIGAI COLLEGE OF ENGINEERING**  
(Approved by AICTE, New Delhi and Affiliated to Anna  
University, Chennai)  
**Madurai**

**ONE DAY WORKSHOP**  
on  
**Hands on Training in Big Data  
Analytics Tool**

**REGISTRATION FORM**

1. Name :
2. Register Number :
3. Institution :
4. Department :
5. Qualification :
6. Mobile Number :
7. Contact Address :
8. E-Mail ID :

**AUTHORIZATION CERTIFICATE**

Dr. / Mr. / Ms. -----

will be permitted to attend the programme at Vaigai  
College of Engineering, Madurai.

Date:

Place:

Signature of the Institution Head with Seal:

**ORGANIZING COMMITTEE**

**Chief Patron**

Mrs. R. Indra, Chairman,  
Vaigai Educational Trust, Madurai.

**Patron**

Mrs. B. Dhanalakshmi, Secretary  
Vaigai Educational Trust, Madurai.

**Chair**

Dr. A. Pasumpon Pandian, Principal

**Co-chair**

Prof. P. Sugumaran, Vice Principal

TO

**IMPORTANT DATES**

Last date for Receipt of

Registration Form : **10.02.2018**

Date of Intimation : **13.02.2018**

Confirmation from Participants : **15.02.2018**

**FOR FURTHER DETAILS**

**Ms. J. Jeyabharathi, AP/CSE,**  
Coordinator,  
Department of CSE,  
Vaigai College of Engineering,  
Madurai-625122  
**Phone:** 73730 35044, 86681 53433  
**Email:** vaigaicse@gmail.com

**ONE DAY WORKSHOP**

on

**Hands on Training in Big  
Data Analytics Tool**

**17.02.2018**



*Organized by*

Department of Computer Science and  
Engineering

and



IEEE Student Branch of VCE



**VAIGAI COLLEGE OF ENGINEERING**

Therkuthuru, Vinayagapuram,

Madurai - 625 122

Contact: 0452-2911009, 7373035040

## ABOUT THE COLLEGE

A team of people who are willing to work for the social development and who have the passion for the academics have established Vaigai College of Engineering (VCE) in 2012. The objective of VCE is to provide a better platform for learning technical education aspiring to bridge the gap between the quality of the technical graduates and the expectation of the industry and hence the world.

A team of like-minded people, mostly women with a passion for serving the society through education, have established VET (Vaigai Educational Trust) for offering educational services to the rural population. The trust intends to establish, maintain, and run educational institutions mainly in Science & Technology for imparting quality education for the empowerment of rural people. The unique feature of the trust is the fact that it is guided by reputed and well-experienced engineering college professors.

## ABOUT THE DEPARTMENT

The Department of CSE was established in the year 2012. The Department has flourished day by day by its achievements and thereby bringing laurels to the College. The Mission of the Department is to help the society by educating engineers with the ability to administer and manage real world problems with latest technologies.

The Department offers UG programme in Computer Science & Engineering. The Quality objective is to enhance and maintain an environment of educational excellence in the computing disciplines that offers exceptional growth for students, faculty, and staff motivating and empowering them by providing sufficient breadth to facilitate life-long learning and professional success.

. An opportunity is to acquire a value system that will enable the students to make sound decisions regarding many ethical issues that confront computer professionals in the work place and society at large. The Department of CSE contains well qualified, dedicated and experienced faculty members. The Department has state of art laboratories.

## WORKSHOP THEME

Big data Analytics helps organizations harness their data and use it to identify new opportunities for the professionals who in turn to lead smarter business moves, more efficient operations, higher profits and happier customers. Big data is used by business today for analyzing sentiments of the target customers and providing them better services to increase the business.

This workshop will create awareness and enrich knowledge for researchers and academicians in Big Data Analytic tools. The huge volume and detail of information captured by enterprises, the risk of social media and the Internet fuelled in exponential growth of data in various forms such as structured, unstructured and semi-structured. Analyzing these huge volumes of large data sets are difficult. This workshop provides a platform to gain in depth knowledge in Big Data Analytics and hands-on experience with Spark and predictive analytics tool. It brings out the new way of innovation among the research scholars.

## TARGET AUDIENCE

This Workshop is aimed at multi-faceted audience from Industry participants, Faculty members, Research scholars, UG/PG Students and academicians from Engineering Colleges in various disciplines like CSE, IT and ECE.






## RESOURCE PERSON

**Mr.P.Tamizhannal,**  
**Principal Engineer,**  
**IT Industry, Bengaluru.**

## COURSE CONTENTS

1. Introduction to Big Data and Use Cases  
(Real time use cases - various Engineering fields)
2. Large Scale Data Analysis: Hadoop  
(Batch Processing)
  - a) Introduction to Apache Hadoop
  - b) HDFS - Hadoop Distributed File System
  - c) Data Analysis using Hadoop/HIVE
3. Large Scale Data Analysis: Spark  
(Real Time Processing)
  - a) Introduction to Spark
  - b) Spark SQL
  - c) Spark Streaming
  - d) Spark ML - Clustering, Classification and Prediction
4. Case Study: Text Mining or Social Analytics using Spark

## REGISTRATION DETAILS

-  Total number of participants is limited to 50
-  Selection is performed based on First Come First Serve Basis
-  Application in the prescribed format duly sponsored by the Head of the Institution / Department should reach the coordinator on or before **10.02.2018**
-  IEEE Members : 300/-
-  Non IEEE Members: 400 /-