

Report on Faculty Development Programme



“Big Data: Technologies & Challenges”

(23-24 December, 2013)

Faculty Development Program (FDP) was organized by Department of Information Technology, Sree Vidyanikethan Engineering College, A. Rangampet. The FDP was organized for two days i.e., December 23-24, 2013 under Technical Education Quality Improvement Programme-II. About 50 faculty members are actively participated and gained useful information from all the sessions.

Day 1: 23-12-2013 (Monday)

The faculty Development Program was inaugurated by **Mr. P. Surya**, CEO, ZettaMine Technologies, Hyderabad and **Dr. K.Ramani**, HOD of IT & Convener of the Programme, at 9:30 A.M.

Session 1:

Mr. P. Surya, CEO, ZettaMine Technologies, Hyderabad, from 10.00 AM – 11.30 AM, delivered an overview of Big Data, the context of Big Data. The participants interacted with resource person and clarified their doubts regarding real-life applications of Big Data.

Session 2:

Mr. P. Surya, CEO, ZettaMine Technologies, Hyderabad, has taken this session from 11.45 AM – 1.30 PM, delivered a lecture on Research challenges in Big Data and case studies on big data. The participants interacted with resource person and discussed about implementation problems they are facing in their academic & research work.

Session 3:

Mr. T. Pranabh Kumar, R&D Advisor, ZettaMine Technologies, Hyderabad, from 2:00 PM – 3.30 PM, demonstrated on Hadoop framework and its Ecosystem. The participants fascinated with Hadoop implementation and interacted with resource person and clarified their doubts regarding Hadoop components such as HBase and Mapreduce.

Session 4:

Mr. T. Pranabh Kumar, R&D Advisor, ZettaMine Technologies, Hyderabad, from 3:45 PM – 5.30 PM, delivered a lecture on Hadoop Architecture and its Use cases. The participants interacted with the resource person and their doubts on Hadoop architecture were clarified by him.

Day 2: 24-12-2013 (Tuesday)

Session 1:

Dr. Ch. Sudhakar, Associate Professor of CSE, National Institute of Technology, Warangal from 9:30 AM – 11.30 AM, demonstrated on MapReduce framework and Anatomy of a MapReduce Job. The participants interacted and clarified their doubts by the resource person.

Session 2:

Dr. Ch. Sudhakar, Associate Professor of CSE, National Institute of Technology, Warangal from 11.45 AM – 1.30 PM, Demonstrated all methods involved in Map Reduce Programming. The participants interacted with him to discuss about advanced methods used in Hadoop.

Session 3:

Dr.P.Radha Krishna, Principal Research Scientist, Infosys, Hyderabad, from 2:00 PM – 3.45 PM, delivered a lecture on dimensions and challenges of Big Data. The participants interacted with him to discuss about real time applications on Big Data.

Session 4:

Dr.P.Radha Krishna, Principal Research Scientist, Infosys, Hyderabad, from 4:00 PM – 5.30 PM, delivered a lecture on cloud Versus Big Data & NoSQL Databases.



Fig. 1: **Dr. K. Ramani**, Professor & Head of IT, SVEC inaugurating the function



Fig. 2: **Mr. P. Surya**, CEO, ZettaMine Tech., Hyderabad addressing the gathering.



Fig. 3: **Mr. T. Pranabh Kumar**, R&D Advisor, ZettaMine Tech., demonstrating Hadoop Framework.



Fig. 4: **Dr. Ch. Sudhakar**, Associate Professor of CSE, NITW demonstrating MapReduce Programming.



Fig. 5: **Dr. P. Radha Krishna**, Principal Research Scientist, Infosys delivering a lecture on “Big Data Challenges”