S V COLLEGE OF ENGINEERING

KARAKAMBADI ROAD, TIRUPATI, ANDHRA PRADESH – 517 507

NAAC `A' Grade and accredited by

(Approved by AICTE, New Delhi & Affiliated to JNT University Anantapur, Ananthapuramu)

Computer Science & Engineering

2-DAY Expert Lecture on "HADOOP & Its Applications" 27th & 28th of August 2018

Objectives and Course Content

Name of the Course	Hadoop & Its Applications
Objectives of Course	➢ To provide overview about limitations of the existing solutions for Big Data ➢ To understand how Hadoop solves the Big Data problem ➢ To analyze the common Hadoop ecosystem components, ➢ To understand the Hadoop Architecture & HDFS. ➢ To get a clear idea regarding MapReduce. ➢ Implementation of Spark and the need of Spark.
Course Content	**BigData** • Introduction to BigData • What is Hadoop • Why Hadoop • Introduction to Hadoop Ecosystem • Discussion on Use cases **HDFS** • Introduction to HDFS • Architecture of HDFS • How read and write operations work in HDFS • Lab: HDFS commands **MapReduce** • Introduction to MapReduce • Why MapReduce ? • Architecture of MapReduce • Anatomy of MapReduce Job • Lab: MapReduce example, WordCount Program • How to run the MapReduce program ? **Spark** • A quick intro to Spark • Why Spark • Difference between Spark and MapReduce • Lab on Spark.
Name of Course Coordinator	**Mr. Pranabh Kumar** Oracle India Private, Ltd

Date : **27-08-2018 to 28-08-2018**

Time : 09:00 A.M. - 03:00 P.M

Target Audience : III B.Tech. CSE Students

Venue : Auditorium