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Estd 1998

Department of Computer Science & Engineering

Date: 05.11.2018

Submitted to the Principal

Sub: Requisition of permission for organizing the Alumni Guest Lecture -Reg.

We are planning to organize the Guest Lecture titled on "**Hadoop Framework**" for B.Tech IV year students on **10th Nov 2018.** The aim of this seminar is providing the knowledge about Hadoop Framework to the students.

We are inviting the resource person Mr. C. Vamshi Krishna for giving the guest lecture talk. Kindly request you to provide permission for conducting the program in above mentioned date.

Convener
Y C A Padmanabha Reddy

HOD
Head of the Department
Computer Science & Engineering
Madanapalle Institute of Technology & Science
MADANAPALLE-517 325.

Principal
Madanapalle Institute of
Technology & Science
MADANAPALLE

Mandanapalle Institute of Technology & Science
(UGC - Autonomous)

Department of Computer Science & Engineering

Organize
Alumni Guest Lecture on

"Hadoop Framework"

Resource Person: **Mr.C.Vamshi Krishna,**
IT Analyst,
TCS,
Bangalore.

Date: 10-11-2018

Venue: CSE SEMINAR HALL

Chief Patron	Patron	Convenor
Dr. N. Vijaya Bhaskar Chowdary	**Dr. C. Yuvaraj**	**Dr. R. Kalpana**
Secretary & Correspondent	Principal	HOD, CSE

Coordinator

Mr.Y.C.A. Padmanabha Reddy,
Asst. Prof,CSE.

A Report on Alumini Guest Lecture on Hadoop Framework
by Mr. C. Vamshi Krishna

Target Audience:-II B.Tech CSE students.
Topic:-Hadoop Framework
Date:-10-11-2018
Venue:-CSE Seminar Hall
Resource Person:- Mr. C. Vamshi Krishna

Report Submitted by Y. C. A. Padmanabha Reddy, Asst.Prof in CSE Dept.,

Dr. K. Kalpana, HOD inaugurated the program by introducing the Mr. C. Vamshi Krishna. Mr C. Vamshi Krishna explained about hadoop framework to the students.

Hadoop is an open source distributed processing framework that manages data processing and storage for big data applications running in clustered systems. It is at the center of a growing ecosystem of big data technologies that are primarily used to support advanced analytics initiatives, including predictive analytics, data mining and machine learning applications. Hadoop can handle various forms of structured and unstructured data, giving users more flexibility for collecting, processing and analyzing data than relational databases and data warehouses provide.

Hadoop is primarily geared to analytics uses, and its ability to process and store different types of data makes it a particularly good fit for big data analytics applications. Big data environments typically involve not only large amounts of data, but also various kinds, from structured transaction data to semistructured and unstructured forms of information, such as internet clickstream records, web server and mobile application logs, social media posts, customer emails and sensor data from the internet of things (IoT).

Formally known as Apache Hadoop, the technology is developed as part of an open source project within the Apache Software Foundation (ASF). Commercial distributions of Hadoop are currently offered by four primary vendors of big data platforms: Amazon Web Services (AWS), Cloudera, Hortonworks and MapR Technologies. In addition, Google, Microsoft and other vendors offer cloud-based managed services that are built on top of Hadoop and related technologies.

Hadoop and big data

Hadoop runs on clusters of commodity servers and can scale up to support thousands of hardware nodes and massive amounts of data. It uses a namesake distributed file system that's designed to provide rapid data access across the nodes in a cluster, plus fault-tolerant capabilities so applications can continue to run if individual nodes fail. Consequently, Hadoop became a foundational data management platform for big data analytics uses after it emerged in the mid-2000s.

I expressed my sincere thanks to Mr K. Prashanth Kumar Alumni of our department for giving such valuable guest lecture on Career Guidance.

(Y. C. A. Padmanabha Reddy)