BLDE Association's
S B Arts and K C P Science College, Vijayapur

Department
Of
M.Sc. Computer Science

Date: 26/09/2019

<u>NOTICE</u>

This is to inform to all the M.Sc. CS-I and III department of M.Sc. CS and BCA is organising workshop on Hadoop Technology on 29/09/2019 interested student are instructed to enrol your name in department and all the participant will be benefited with certificate

Topic: *"Hadoop Technology"*

Resource Person: Mr.Guruprasad M. S

Co-ordinator
M.Sc. (C.S.) Programme
S.B.Arts & K.C.P.Science College,
Vijayapur.

IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College,
Vijayapur.

Principal
S.B.Arts & K.C.P.Science College,
Vijayapur.

S B Arts and K C P Science College, Vijayapur

Department
Of
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A REPORT ON

One Day Workshop
On
"HADOOP Technology"
For

M.Sc (CS)-I & III Semester Students

Academic year

2019-2020

Date: 29-09-2019

A Report

The Workshop was organized by BLDEA's S B Arts and K C P Science College, Vijayapur M.Sc. (CS) Department topic was ""HADOOP Technolgy" on 29th September 2019 at 10:00am in Seminar hall.

The workshop was started with the inauguration function by Principal Dr. A S Pujar, IQAC Coordinator Dr. U S Pujeri and M.Sc CS Coordinator Prof.(Smt) S D Patil. The workshop was jointly organised with Tech fortune pvt ltd and the programme resource person was Mr. Guruprasad M.S, Sagar Shetty with his team.

The workshop initially started with technical presentation about the Hadoop with its evolution and basic concepts.

What is Hadoop?

Hadoop is an open source software programming framework for storing a large amount of data and performing the computation. Its framework is based on Java programming with some native code in C and shell scripts.

Some common frameworks of Hadoop:

1. Hive- It uses HiveQl for data structuring and for writing complicated MapReduce in HDFS.
2. Drill- It consists of user-defined functions and is used for data exploration.
3. Storm- It allows real-time processing and streaming of data.
4. Spark- It contains a Machine Learning Library (MLlib) for providing enhanced machine learning and is widely used for data processing. It also supports Java, Python, and Scala.
5. Pig- It has Pig Latin, a SQL-Like language and performs data transformation of unstructured data.
6. Tez- It reduces the complexities of Hive and Pig and helps in the running of their codes faster.

## Advantages and Disadvantages of Hadoop
Advantages:
- Ability to store a large amount of data.
- High flexibility.
- Cost effective.
- High computational power.
- Tasks are independent.
- Linear scaling.

Disadvantages:
- Not very effective for small data.
- Hard cluster management.
- Has a stability issue.
- Security concerns.

The total workshop session was from 10:00am to 5:00pm and 12 Students were taken participation and finally issued certificate of participation.
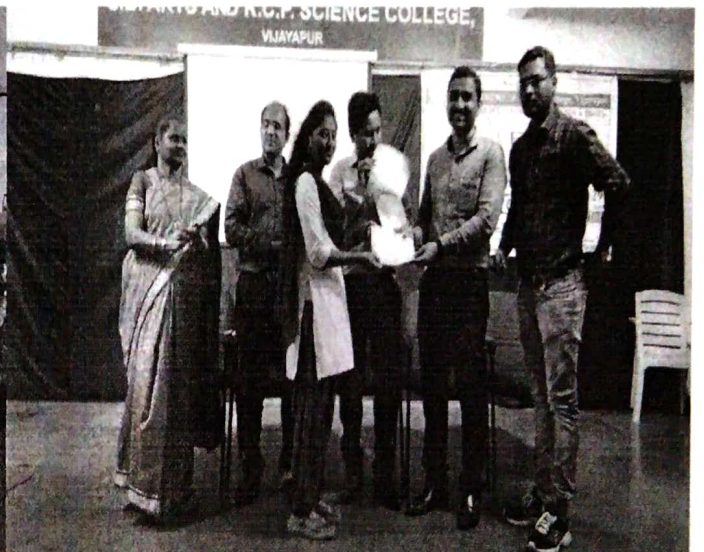
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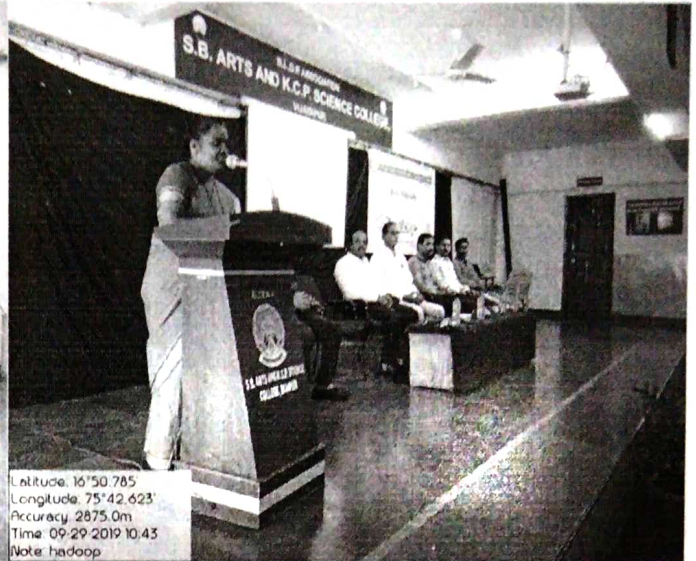
Work shop Inaugurated by Principal Dr. A S Pujar

Key Note Address by Prof. (Smt) S D Patil

Technical Presentation by Mr. Guruprasad M S

Certificate for participants
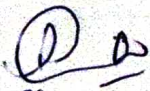
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Date: 29/09/2019   **Time: 10:00am**

S.No	Name of the student	Semester	Signature
1	Sheetal. R. Honawad	M.Sc(C.S)I sem	S. R Honawad
2	Gurudevi. Hiremath	I sem	G.V.Hiremath
3	Harsha. V. Hiremath	I sem	Hv Hiremath
4	Niketa. A. Heralgi	I sem	Aheralgi
5	Tazeen - M - Patel	1 sem	Patel
6	Varsha. M. Kolhagi	IV sem	Varshi
7	Shruti Joshi	IV sem	Shuj
8	Nagamakousar. I. M	I sem	Neem
9	Srushti. s. Teli	I sem	Teli
10	Akshata Phutane	I sem	Bteue
11	Priyanka. Kulkarni	III sem	Pkul
12	Shruti. Holisagar	III sem.	Sholisagar
13			
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