



NARAYANA ENGINEERING COLLEGE:NELLORE

REPORT ON DEPARTMENT EVENT/ACTIVITY

Academic Year: 2018-19

Semester I

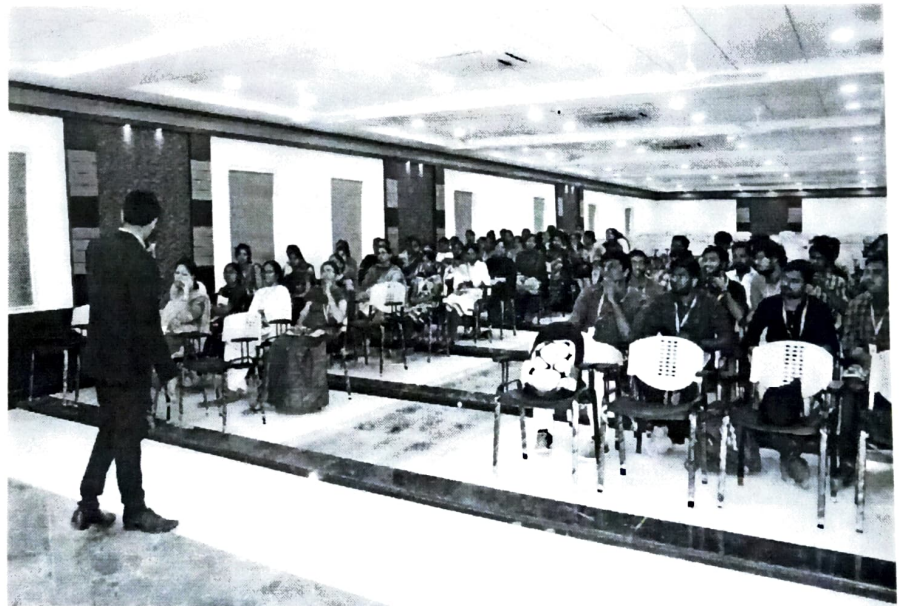
1	Name of the Activity/Event	Hive Query Language-Big data			
2	Date of Activity/Event	7-1-19 to 10-1-19			
3	Organized by/Name of the committee	Computer Science and Engineering Department			
4	Place of Activity /Event	Computer Lab 2 of A Block			
5	Resource person/guest/organization	M. Sasidhar, CEO from VSS Innovative Technologies			
6	Type of Activity/Event	Value added course			
7	Activity/Event Overview	Students have gained fundamental knowledge on apache Hive which is a dataware house software project built on top of Apache Hadoop for providing data query and analysis.			
8	Participation & Involved By	Students Involved	Students	faculty	Total Participation
		IV CSE	57	NIL	57
9	Content Discussed	1. Introduction to Hive, Architecture and modes. 2. HIVE Installation & Configuration with MYSQL 3. Hive Data Types & Create, Drop Database 4. Hive Queries: Order By, Group By, Distribute By Cluster By Examples 5. Hive query language-bigdata 6. Hive ETL: Loading JSON, XML, Text Data Examples			
10	Suggested improvements	1. Students should have knowledge of fundamentals on SQL based query languages.			
11	Enclosures	1. List of students. 2. Signature forms. 3. Course Schedules. 4. feed back forms.			


Coordinator


HOD
Head of the Department
Computer Science & Engineering Department
Narayana Engineering College, Nellore.



Resource person introducing himself with student



Resource person interacting with students



NARAYANA ENGINEERING COLLEGE :: NELLORE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Detailed Report on HIVE QUERY LANGUAGE-BIG DATA

A four-day value added course on **Hive Query Language-Big Data** was successfully conducted in the Department of Computer Science and Engineering from in association with **VSS Innovative technologies, Bangalore** from **07/01/2019 to 10/01/2019**. This course received good response from IV B tech CSE students. 56 students have participated in the course. The aim of this course is to provide basic knowledge about installation of apache Hive which is useful for data query and analysis.

The inaugural keynote address was given by Dr. B. Geetha vani, HOD, CSE and importance of participating in value added courses was emphasized by Principal, Dr. G. Srinivasulu Reddy in his addressing. Session was started by resource person M. Sasidhar, CEO from VSS Innovative Technologies, who highlighted on future scenario on one of the most wide spread technologies i.e., Apache Hive Technology to work with Big Data effectively. There were 8 technical sessions during course on various concepts in Hive technology.

On day 1, the course has provided an understanding on the installation of Hive and how to configure with My SQL. Resource Person Mr. M. Sasidhar has given a hands on session about installation of hive in afternoon Session.

On the next day, Mr. M. Sasidhar has provided good knowledge on Hive Data types with some examples. He also gave a clear lecture on doing various operations like creating, table, drop the table and altering the table etc. He also

explained that partition bucketing are a part of data modeling with a practical example.

On the third day, students were enlightened with practical session on Hive Queries for data modeling such as creation of databases, tables and merging of different tables. Mr. M. Sasidhar also explained practically about sort by, Group by and cluster by operations on Hive at afternoon session.

On the fourth day, Mr. M. Sasidhar briefed on how Hive is used as a data warehousing tool on top of Hadoop ecosystem that provides functionalities like Data modeling, Data manipulation, Data processing and Data querying In afternoon session, Data Extraction in Hive was explained by the creation of tables in Hive and loading structured and semi structured data as well as querying data based on the requirements.

All the students who participated were given an opportunity in the hands on training in various applications of Hive technology. The course came to an end with valedictory function. HOD of CSE Department, Dr.B. Geetha Vani appreciated the coordinator for organizing this kind of value added courses for students and vote of thanks proposed by coordinator of the program.


COORDINATOR


HOD
Head of the Department
Computer Science & Engineering Department
Narayana Engineering College, Nellore.