"HANDLING BIG DATA WITH PHP"

Under the Supervision of:-**Mr. Neeraj Kr. Dubey**

Brief Introduction

Big Data Handling with PHP is the new context of technology. In this project we have used Apache Hadoop for management of huge database here. Hive language for data manipulation such as for data insertion, deletion, updation etc.Apache **Hive** is a data warehouse infrastructure built on top of Hadoop for providing data summarization, query, and analysis. **Hive** gives an SQL-like interface to query data stored in various databases and file systems that integrate with Hadoop. The language used here is PHP. PHP is a server scripting language, and a powerful tool for making dynamic and interactive Web pages. PHP is a widely-used, free, and efficient alternative to competitors such as Microsoft's ASP. **MySQL** is an open-source relational database management system (RDBMS). Its name is a combination of "My", the name of co-founder Michael Widenius' daughter, and "SQL", the abbreviation for Structured Query Language.

We will develop Library Management System using Apache Hadoop. In this project we are going to add Hadoop technology and manipulate big data. PHP only works with MySQL or databases, which is based on SQL language .We have to integrate Hadoop with PHP so we have to fix the size limit of SQL database, if data crosses this limit then data will transfer into Hadoop with the help of cronjobs and hive whenever user requires data first it searches in MySQL after then it searches in Hadoop Database, once data is retrieved it fetches in text form using Hive language then this data is converted into Tabular form which is represented by MySQL database. Hadoop and Big Data technologies are only scope of future jobs. Future of the companies might exploit this new technology. In Hadoop three paths are there such as Hadoop administration (You should have grip in Linux and networking concept); Second path Development (You Should have grip in java, SQL) and finally Analytics (Hadoop, Big Data, Data Scientist, data engineer). Hadoop Development is the best choice for you. But it is recommended one should get grip in MySQL also. The Hadoop Eco system tangled each tool (Hive, Hbase, Zookeeper, mapreduce, etc).

Today's problem is platform synchronization, in a new context of problem. After using Thrift, we have resolved this issue with PHP platform. If we research in this field then we can find a efficient way to integrate various platforms with Hadoop. And it is the revolution in Big Data field.

Group Members Team:-

| AnshulGarg | Subodh Kumar | Ashish Kumar | LavendraAgrawal |
| IT Final Year | IT Final Year | IT Final Year | IT Final Year |