**ABSTRACT**

Big Data attracts more intention in solving a problem of data storage and analysis and it attracts for the fellow people of engineers. Data Discovery are the most important facets in today’s world. Customers, users, developers, and supporters… etc. are using to store the huge amount of data and then process the data. It’s an immense and challenging task to build a cluster as per the requirement by any distribution and maintain the cluster. This paper demonstrates how to setup a cluster can be built on Hadoop technology and can be validated at its core, maintained by using the competitive distributors of Cloudera or Hortonworks. Also, exhibits the real-time issues, exceptions in maintain of a cluster. Hadoop admin roles and responsibilities include setting up Hadoop cluster, backup, recovery and maintenance of the same. Good knowledge of hardware system and Hadoop architecture is required by Hadoop administrant. HDFS maintenance and support. Hadoop clusters planning and screening. Tracking of all the connectivity and security issues. Setting up new Hadoop users. In-depth knowledge of Hbase. Hands on experience in Oozie, HCatalog, Hive. Strong scripting skills in Linux environment.