Digital Lync

EDUCATION - INNOVATION - INCUBATION

BIG DATA

COURSE CURRICULUM

⊘ **Module 1 :Technologies for Handling BigData –– 3 hours**

Distributed & Parallel Computing Paradigms

Hadoop Introduction(Relevance & Necessity)

Cloud & BigData

In- Memory Computin

⊘ **Module 2 : Overview of HADOOP Eco System –– 2 hours**

HDFS

MapReduce

YARN

HBASE -- Role of HBASE in BigData

HIVE ---- Role of HIVE in BigData

PIG ---- Role of PIG in BigData

SQOOP

ZOOKEEPER

Flume

OOZIE

- **Module 3 : Overview of BigData Usecases –– 2 hours**

- **Module 4 : Hadoop Setup –– 3 hours**
    - Configuration
    - Installation

- **Module 5 : Read's & writes –– 1 hour**

- **Module 6 : MapReduce Programming –– 5 hours**

- **Module 7 : Data Processing Framework in-
    -HADOOP –– 3 hours**
    - Yarn
    - MapReduce

- **Module 8 : Statistics with HADOOP –– 2 hours**

- **Workflow with OOZIE –– 2 hours**

- **Module 9 : HADOOP Along with –– 4 hours**
    HBase

    HIVE

    SQOOP , integration with RDBMS

    SQL

- **Module 10 : Technologies to Optimize MR jobs –– 2 hours**
    Virtualization

    Different Virtualization Approaches

- **Module 7 : BigData Stack –– 2 hours**
    10 layer's overview

    Any other relevant details

HEADQUARTERS

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