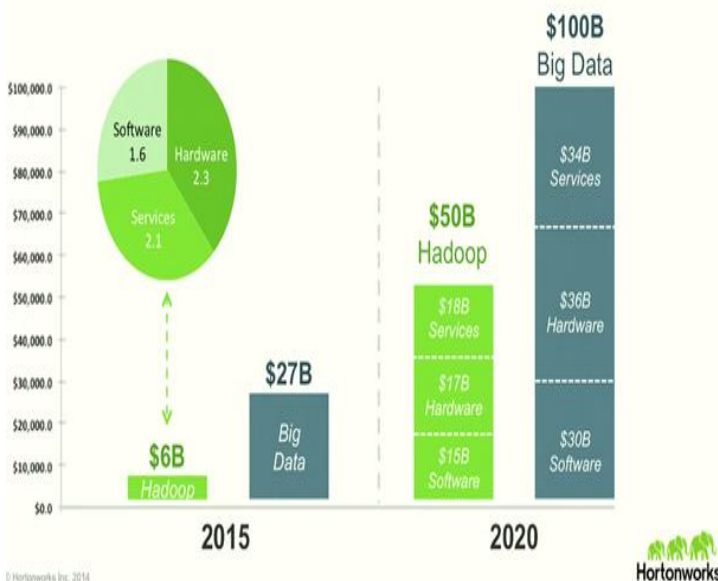


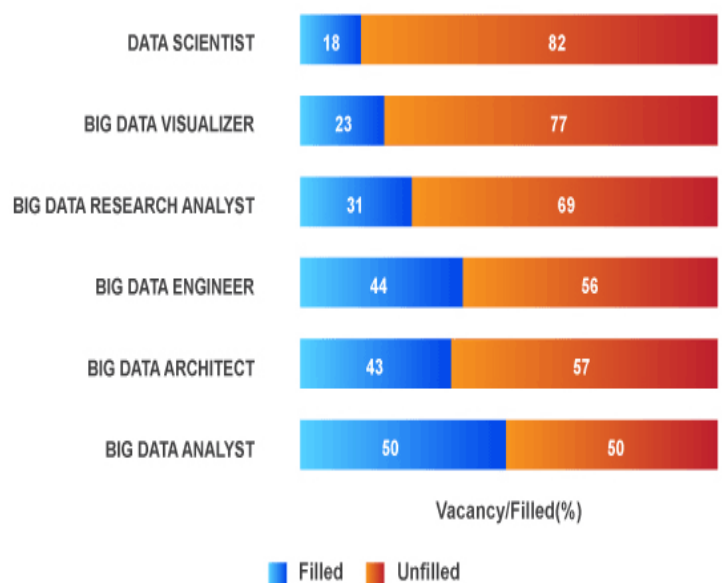
1 WEEK NATIONAL WINTER TRAINING PROGRAM ON Big Data & Hadoop

Why big data & Hadoop is important?

Big Data and Hadoop Markets Growing Sharply



Filled job vs unfilled jobs in big data



Highlights of Big Data & Hadoop



- Implement a Hadoop Project
- Learn to write Complex MapReduce programs
- Perform Data Analytics using Pig and Hive
- Understand Data Loading Techniques using SQOOP and Flume
- Master the concepts of Hadoop Distributed File System and MapReduceFramework
- Work on a Real Life Project on Big Data Analytics and gain Hands on Project Experience

1-week Big Data &Hadoop Projects details




- Word Count for a large amount of data With Using (MapReduce , Pig , Hive)
- Temperature Sensor Conversation With Using Pig or HQL
- DATA Sorting With Large data Set With Pig and Sqoop
- Write Complex MapReduce programs
- Master the concepts of Hadoop Distributed File System and MapReduce Framework
- Work on a Real Life Project on Big Data Analytics and gain Hands on Project Experience

1-week Training Certificates




- Certificate of Participation from NWTP-2017 , Cognizance IIT-R.
- Certificate of merit from NWTP-2017,Cognizance IIT-Roorkee.
- Certificate of Coordination from NWTP-2017,Cognizance IIT-R.
- College will get Center of Excellence form NWTP-2017 Cognizance IIT-R.

Benefits to the participants

- 
- Learn & Interact with renowned Industry Experts.
 - Project Completion letter to each attendee from Finland Labs New delhi
 - The Certificate of Participation in association with Cognizance IIT-R.
 - Free CD/DVD containing Software Resource Toolkit
 - Students will get the opportunity to have Free 6 month project based Internship.
 - Zonal center's winners will be called to participate in the final round will be held at IIT-Roorkee.
 - Top Teams will be awarded as winners with the certificate of honor & respected prizes at IIT-Roorkee

Benefits of association with NWTP-2017

- 
- Name and Logo including website link will be published on our official website mentioning that “You are our Official Zonal Partner”.]
 - Authorized Team will visit your College to organize the entire event.]
 - The chance to get signs the MOU between Finland labs New delhi & Your estimated college.
 - An email will be sent to more than 1 lack users of our web partners about your college publicity.]
 - Posters and Flexes will be sent to you for effective regional publicity.]
 - All India publicity through Web marketing will also be done.]



1-week Big Data & Hadoop Course Content



Day 1

A. Introduction to Big Data and Hadoop

- What is a Data?
- Type of Data
- Need of Big Data
- Characteristics of Big Data

B. Different Components of Hadoop

C. Big Data Technology

- Traditional IT approach
- Big Data Capabilities
- Milestones of Hadoop

Day 2

A. Software Introduction

- VMware Player
- VMware installed with BIOS system
- Horton Works Sand Box Introduction

B. Hadoop Architecture

- Hadoop cluster
- Hadoop Core Services
- Hadoop Core Components
- Map reduce Introduction
- HDFS

Day 3

A. Starting With Hadoop

- Map reduce Analogy
- Map reduce Example
- Map Execution
- Real time Using With Hadoop

B. Pig

- Introduction to Apache Pig
- Components of pig
- How to Works pig, or Data model
- Pig vs. SQL
- Pig Execution Modes

Day 4

A.Pig

- Map Reduce vs. Apache Pig
- Different Data Types in Pig
- Modes of Execution in Pig
- Local Mode
- Execution Mechanism
- Grunt Shell
- Scrip
- Pig Commands
- Examples Of pig
- Word Count
- Batting Examples

Day 5

A.Hive

- Hive Introduction
- Hive characteristics
- System Architecture & components of Hive
- Query Compiler
- Hive Server
- HIVE Architecture
- HIVE Meta Store
- HIVE Integration with Hadoop
- HIVE Query Language (Hive QL)
- SQL Vs Hive QL

B. HBase

- Introduction of HBase
- Characteristics of HBase
- HBase Architecture
- HBase Vs RDBMS
- HBase Shell Commands

Day 6

A. HBase Architecture

- Clients
- REST
- Thrift
- Java Based
- AVTO

B. MapReduce Integration

- MapReduce over HBase
- HBase Admin
- Schema Definition
- MapReduce OR Distributed Mode

Day 7

A.SQOOP

- Introduction to SQOOP
- MySQL Client and Server Installation
- How to Connect to Relational Database
- Using SQOOP
- Different SQOOP Commands
- Different Flavors of Import
- Export
- HIVE Imports

B.Introduction Of Zookeeper

- Features of Zookeeper
- Use of ZooKeeper
- Zookeeper Data Model

Zonal Competition



- After the hand on theory and practical experience from 1-week training, Zonal Round Competition will be conducted for the participants.

Certificate Distribution

- Certificate of Merit will be provided to all Zonal Round Winners and Certificate of Participation will be provided to all the Zonal Round Participants.

Who should go for this Course?

Predictions say 2017 will be the year Hadoop finally becomes a cornerstone of your business technology agenda. To stay ahead in the game, Hadoop has become a must-know technology for the Graduates aiming to build a career in Big Data.

What are the other requirement for this training program?

- Seminar hall/classroom having the enough capacity to conduct hands-on-session for all participants.
- Good Quality public address system ideally two cordless mikes will be required.
- Projector/ Screen along with black/white board for teaching and presentation purposes.
- This training center can only be arranged for a minimum of 50 students
- 1-week accommodation to our Hadoop Expert.

Training Duration

1-week (3-4 hours each day)



1-week BIG DATA HADOOP Training Fee

Rs.4000/- Participant + Services Tax @ 15.0%,

(The fee includes training, certification, and Event registration and a free Big Data & Hadoop Kit to each Student)

Please be free to contact us for any kind of discussions related to NWTP-2017



Md.Nafish

Dept. of Education & Training Development
Finland labs(Unit of Revert Technology Pvt. Ltd)
NWTP-2017 | AppsFluxus-2017 | RoboFeast-2017

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