



# HEADSTAR TECHNOLOGIES

## Enterprise Application Development for Cloud Deployment (CLOUD COMPUTING)-40 hrs

Why Hadoop and data Analysis.  
MapReduce and HDFS.  
Hadoop Cluster.  
Relationship between Hadoop and Cloud.

### INTRODUCTION TO CLOUD COMPUTING. 4hrs

Why Cloud Computing.

What is Cloud Computing.

Pros and Cons of Cloud Computing

Cloud Computing vs. Cluster Computing.

Cloud Computing vs. Grid computing.

Cloud Deployment Model

public Cloud Model

private Cloud Model

Hybrid Cloud

Cloud Service Model.

SaaS Layer [Software as a Service]

IaaS Layer [Infrastructure as a Service]

PaaS Layer [Platform as a Service]

### INTRODUCTION TO VIRTUALIZATION

Hardware Virtualization

Software Virtualization

Server Virtualization

Storage Virtualization

Os Virtualization

Windows Virtualization.

Introduction to VMWare

### CLOUD PROVIDERS AND CLOUD SERVICES.

Google, Amazon, Microsoft.

Introduction to Google Cloud Services.

Bluemix Cloudant NoSql DB and

NODE Application using IBM Cloud 4+4hrs

Introduction to JavaScript and JQuery.

What is Node application.

Creating Sample web application using node.js

Node application on IBM Cloud.

Hadoop and Cloud Connection .

### ENTERPRISE APPLICATION DEVELOPMENT USING IBM CLOUD. 4+4 hrs

Introduction to J2EE and Web Technology.

Client Server Architecture.

Http Protocol.

Working on HTML, JQuery and CSS.

Introduction to IBM DB2.

Working On Sql Queries.

Introduction to Servlet and JSP

Introduction to Cloud Foundry.

DevOps Service For Bluemix.

CF command Line Interface.

CF Tools for Application Deployment.

Eclipse tool for Bluemix.

Creating Cloud Space.

Introduction to IBM Bluemix .

Managing Cloud Services on Bluemix.

Introduction to IBM DB2 and MySQL.

Working On Cloud Database and Tables.

Connecting java Web Application with Cloud Services.

Attaching Cloud Database with application.

IBM Worklight and Cloud. 4+4 hrs



# HEADSTAR TECHNOLOGIES

Introduction to IBM Worklight.  
Connecting Worklight Application with Cloud  
Services.

## INTRODUCTION TO ANDROID AND CLOUD

4 hrs

Introduction to Android Studio and application  
development.  
Activity Life Cycle and Activity Layout.  
Cloud Services and Android app.

## PHP APPLICATION DEVELOPMENT USING IBM BLUEMIX.

4hrs

Connecting PHP App with Cloud Database  
Service.

## INTRODUCTION TO INTERNET OF THINGS. AND CLOUD SECURITY

4hrs

Introduction to Internet of Things.  
Twitter Node Using IBM Node Red .  
Application and data Security.  
Database and Application Authentication.  
Database and Application Authorization.