Digital Lync

EDUCATION - INNOVATION - INCUBATION

DEVOPS

COURSE CURRICULUM

● **Module 1 : LINUX [6 Days]**
   Introduction to Linux OS
   CentOS Installation
   File and Directory Management
   Text Editor
   Links
   Utility Commands
   Archives & Backups
   User & Group Management
   File Security & Permissions
●   Package & Service Management

Module 2 : LAMP [3 Days]
   Introduction & Installation Apache
   Working with Apache
   MySQL DB Installation
   Working with MySQL
   Setting up CMS - Wordpress

Module 3 : GIT [4 Days]

What is Git?

Installing Git

Getting started

Git Architecture

Making changes to file

Using git with real project

Undoing changes

Ignoring files

Navigating tree commit

Branching

Merging Branches

Stashing Changes

GitHub

Module 4 : MAVEN [3 Days]

Introduction to Maven

Maven Structure

Maven Installation

Maven Hands-on

✔ Module 5 : NEXUS [2 Days]

Introduction to Nexus

Nexus Installation

Creating Repositories

Pushing the generated artifact to Nexus

✔ Module 6 : JENKINS [5 Days]

Overview of Jenkins

Installation of Jenkins

Getting Started with Jenkins

Plugins management

Setting up Build Jobs

Setting up Security

Implementing Automated Testing

Using Metrics to Improve Quality

Performing Automated Deployment and
Continuous Delivery

✔ Module 7 : CHEF [6 Days]

Introduction to Configuration Management

Installation of Chef Server

Configuring workstation

User management

Organization management

Distribution Kit

Resources

Recipes

Cookbooks

Attributes

Chef Supermarket

Databags

NAGIOS [2 Days]

Introduction to Nagios

Nagios Concepts

Nagios Installation

Hands-on

Vagrant [2 Days]

Introduction to vagrant

Vagrant Terminologies

Vagrant System & Commands

Vagrant Plugins & Provisions

✓ DOCKER [3 Days]

- Introduction to Docker
- Installation of Docker
- Data and Docker Volumes
- Docker Architecture
- Container life cycle
- Networking with docker
- Working with docker images
- Building images with docker files

✓ Project [5 Days]

- Implementing Continuous Integration with JAVA based web application.
- Git Integration
- Maven Integration
- Junit Integration
- Test Cases Report Generation
- Cobertura Code Coverage & Report Generation
- Sonarqube Static Analysis
- Nexus Artifact Upload
- Auto Deployment [Tomcat]
- Performance Testing [Jmeter]
- Continuous Feedback [Notifications]