



## **Linux Operating System, Python Programming Language and AWS**

**Duration: 15 Days**

### **Highlights of Winter Industrial Training**

- 👉 Curriculum designed by industry experts
- 👉 We split our training in 90% practical (project based) and 10% session based (demo, discussions and industry use cases).
- 👉 Mentor Connect (Get exclusive one on one mentor guidance)
- 👉 Industry Specific Project (Retail, Healthcare, Entertainment, Airlines, Sports, E commerce)
- 👉 Dedicated student support team
- 👉 Project team leaders from IIT, NIT and other reputed Universities.
- 👉 Placement assistance
- 👉 Soft skill and Resume making sessions by experts
- 👉 24\*7 Lab facility

### **Why to join Adhoc Networks?**

Get Leveraged with Global Certification level training in RHCSA, AWS and Azure with the integration of IoT fully sponsored by Adhoc Networks.

### **What You will be Learning in the span of 15 days**

#### **RedHat Enterprise Linux Version RHEL 8 & Ubuntu 18.04**

- Understanding Linux
- Installation [Both Hardware & VM]
- Shell Programming (Basic)
- IO redirection & Pipeline
- Tar & Backup with compression
- User Management
- Linux Permissions
- Partitions & LVM (Logical Volume Management)
- Crontab
- SSH Server
- Apache Server
- NFS & Samba Server
- DNS Client

#### **Python**

- Getting Started with Python (Both Version 2 & 3)
- Installing Python (Working with IDE & Jupiter Notebook)
- Variables
- For loops, while loops
- Math Operators with Numpy & Math Library
- Conditional Statements
- Strings -Concatenation and repetition, in operator, Indexing, Slices
- Working & Creating Modules
- File Handling
- Socket Programming
- Exception Handling



- Web Scraping
- Connecting with API (Twitter/Github/AWS)
- Math for Data Analysis - Linear Algebra, Matrices, Eigenvectors and their application for Data Analysis.

### **Cloud - Amazon Web Services (AWS) & Microsoft Azure**

- Understanding of Cloud Computing & Services
- Understanding difference between STaaS, SaaS, IaaS, PaaS, NaaS

#### **AWS**

- AWS Overview
- EC2 - Elastic Compute Cloud Use on AWS and deployment of own service
- EBS - Elastic Block Storage, S3 - Simple storage service
- VPC - Virtual Private Cloud
- Elastic Load Balance
- Amazon Machine Image
- Application and Infrastructure Monitoring
- Security on AWS
- RDS - Relational Database Service
- Notification service
- Backup and Recovery Approaches Using AWS
- AWS Lambda
- Elastic Beanstalk

#### **Microsoft Azure**

- Azure Overview
- Virtual Machines
- Managing infrastructure in Azure
  - Azure Virtual Machine
  - Azure Load Balancing
- Windows Azure
  - Azure Storage
  - Azure App Fabric
- SQL Azure
  - Azure SQL Management
  - Azure SQL Migration
- Website
  - Azure Website Creation
  - Azure Website Maintenance
- Processing Event Streams using Azure Stream Analytics

**Course Fee 6,000/-+18%GST**

**NOTE:** There is no pre-requisite to learn above mentioned technologies. All the training will be imparted from our end.

For further guidance feel free to connect with us at 9654088251 | 8800882664 | 0141-4038125 or email us at [training@adhocnw.org](mailto:training@adhocnw.org)