**Ansible – ThinkNYX – Synechron**

**DAY: 01**

**Introduction**

Welcome note

What you should know

Configuration Management (CM)

Tools available in market for CM

Why Ansible

**Ansible set up**

Ansible architecture

System requirement

Ansible installation and configuration

Ansible terminology (CN, TN, Inventory, Module, Playbook, Roles)

**Ansible code bootstrap**

Run ad-hoc commands

Implement playbooks

Write Ansible plays and execute a playbook.

**DAY: 02**

**Ansible task execution control**

Implement task control

Manage task control, handlers, and tags in Ansible playbooks.

**Ansible templates**

Implement Jinja2 templates

Implement a Jinja2 template.

**Ansible roles**

Implement roles

Create and manage roles.

Ansible-galaxy

**DAY: 03**

**Ansible language (DSL)**

Ansible variables

Describe variable scope and precedence, manage variables and facts in a play

Ansible facts

Ansible condition

Ansible iteration

Configure complex playbooks

Configure connection types, delegations, and parallelism.

Implement Ansible Vault

Manage encryption with Ansible Vault.

**DAY: 04**

**Ansible advance coverage**

Deploy LAMP Stack in DevOps Environment

Integrate Github to store Ansible codes

Error Handling & Troubleshooting Playbooks

Managing Windows Hosts with Ansible