**Course Curriculum**

**Ansible Basics:-**

1. Introduction to Ansible :- 40-50 mins.

* What is the Ansible Automation Platform?
* What can be done using Ansible?
* Why Ansible? (Advantages)
* Ansible Detailed Architecture.

1. Ansible Components: - 30-40 mins.

* Ansible Modules.
* Inventory.
* Ansible Configuration File. (Ansible.cfg)

1. Setting up the Topology in GNS3 :- 1-1.5hrs.

* Placing the Network Devices.
* Making Connection and get topology working.
* Installing/Updating Ansible on network-automation-appliance in GNS3.

1. Ansible Mode of operations and it’s working. 1-1.5hrs.

* Ad-hoc Command.
* Ansible Playbook.
  + What is Playbook(yml)?
  + Components/Syntax of playbook.
  + Basic Data Type in YML.

1. Setting up environment and write very First Ansible Playbook. 1-1.5hrs.

* Run show commands on the remote network devices and print the output.
* Various Ansible Plug-ins.

1. Task 1:- (Deployment prospective) 1hr.

* Create multiple VLANS with given specification on multiple network devices.

1. Task 2:- (Deployment prospective) 1-1.5hr.

* Bulk configuration changes on multiple network devices configuration may include below terminologies.
  + Access-list.
  + Interface Configurations.
  + Route changes.
  + Prefix-lists.

1. Task 8:- (Audit and compliance prospective) 1-1.5hr.

* Gather below information about network device:-
  + Image
  + OS Version.
  + Management IP.
  + Serial Number.
  + Etc.