**Course Coverage**

**Day1**

* Introduction to Infrastructure Orchestration
* Infrastructure as a Code Overview
* Terraform vs other IAC tools.
* Architecture and overview of Terraform.
* Terraform Workflow
* Installation , configuration of Terraform software.
* Maintaining Infrastructure using Terraform
* Types of Terraform Providers (AWS, Azure, etc.)
* Variables, resource dependency handling
* Lab - Creating AWS infrastructure using Terraform (EC2, VPC, s3 , etc.)
* Debugging , formatting Terraform config files.
* Creating, reproducing, destroying Infrastructure using Terraform

**Day2**

* Understanding DRY Principle
* Providers and Resources
* Terraform state files.
* Attributes and Output Values
* Terraform Variables, data types
* Count parameter, index.
* Conditional Expression
* Terraform functions.
* Packaging Configuration Files as Modules
* Terraform dynamic blocks.
* Terraform format, validation, graphs.
* Splat Expressions
* Terraform Registry
* Using the Module Registry to Build Reusable Templates
* Managing Servers from Azure
* Handling multiple cloud profiles using Terraform
* Overview of Terraform cloud