1. Course Details:

Course Code : MRSF-009
Course Title : Implementing DevOps Development Processes
Course Duration : 5 Days

2. Course Overview:

- DevOps course provides the knowledge and skills to implement DevOps processes. Participants will learn how to use source control, scale Git for an enterprise, and implement and manage build infrastructure.

3. Learning Outcomes:

- Describe the benefits of using source control
- Migrate from TFVC to Git
- Scale Git for Enterprise DevOps.
- Implement and manage build infrastructure
- Implement a mobile DevOps strategy
- Manage application config & secrets

4. Course Contents:

Module 1: Getting started with Source Control

- What is Source Control?
- Benefits of Source Control
- Types of source control systems
- Introduction to Azure Repos
- Migrating from TFVC to Git
- Authenticating to your Git Repos

Module 2: Scaling git for enterprise DevOps

- How to structure your gilt repo?
- Git Branching workflows
- Collaborating with Pull Requests
- Fostering Internal Open Source
- Git Version
- Public projects

- Files in Git

Module 3: Implement & Manage Build Infrastructure

- The concept of pipelines in DevOps
- Azure Pipelines
- Evaluate use of Hosted vs Private Agents
- Pipelines & Concurrency
- Azure DevOps and Open Source projects
- Azure Pipelines YAML vs Visual Designer
- Setup private agents
- Integrate Jenkins with Azure Pipelines
- Integration external source control with Azure Pipelines

Module 4: Managing application config & secrets

- Introduction to Security
- Implement secure & compliant development process
- Rethinking application config data
- Manage secrets, tokens & certificates
- Implement tools for managing security

Module 5: Implement a mobile DevOps strategy

- Introduction to Mobile DevOps
- Introduction to Visual Studio App Center
- Manage mobile target device sets and distribution groups
- Manage target UI test device sets
- Provision tester devices for deployment

5. Our Methodology:

- Make coaching and monitoring innovative and using modern
- Media training also using on the go training by using interactive means and focusing on
- The exercises, practical applications and real situations study
- Live delivery method, instructor-led training
- Experienced consultant, trainers, and professional
- Qualified trainer with high-level experience

6. Attendance Reports:

- Send daily attendance reports to trainingdep
- Send full attendance report to training department by the end of thecourse
- Attend 100 % from the course days also providedaily
- Issue attendance certificate for participant who attend minimum 80% from the course duration

7. Pre/Post Reports:

- Pre- assessment before starting training.
- Post assessment after finish training
- Full report for the deferent between Pre-& Post assessment

8. Who Should Attend?

- Participants in this course are interested in implementing DevOps processes or in passing the Microsoft Azure DevOps Solutions certification exam
- Anyone interested in implementing DevOps processes