

DevOps – 10 week Training

# Pre-Requisites:

* IT background
* Computer Science Fundamentals
* Software Coding background
* Telecom, electrical or other engineering background

# Course Content:

The goal of this 10 weeks training is to focus on the main concept of DevOps and

make participants knowledgeable about the tools and best practices required

to build DevOPs practice. This course will not only cover the methodology but will

deep dive into micro services architecture and deployment options like implementing containers and build container based applications

# Course Outline:

**Week1-2**

* What is DevOps
* DevOps as a Culture
* DevOps as Methodology
* Core Concepts

**Week 3-4**

* + What are Microservices
  + What is Microservices Architecture
  + Monolithic vs Cloud Native Apps

**Week 5-6**

* + Container technologies
  + What are containers
  + Deploying Docker Containers
  + Difference between Virtual Machine and containers
  + Linking Containers

**Week 7-8**

* + DevOps tool that enable the whole process
  + Jenkins
  + Git
  + Se
  + Nagio
  + Kubernetes

**Week 9-10**

* + Mini Project