Blockchain Hyperledger Fabric Fast Track

Module 1: Hyperledger Fabric Essentials

- Overview of Blockchain and Hyperledger Fabric

- Fabric's Architecture: Modular Design, Channels, and Consensus

- Quick Comparison with Other Blockchain Platforms

Module 2: Rapid Setup of a Fabric Network

- Installing Dependencies: Docker, CLI Tools, and Fabric Samples

- Configuring and Launching a Basic Network

- Understanding Network Configurations: Peers, Orderers, and Channels

Module 3: Chaincode Development and Deployment

- Writing Chaincode in Go/JavaScript

- Deploying Chaincode on the Fabric Network

- Testing and Interacting with Chaincode Using CLI

Module 4: Managing Fabric Network Operations

- Monitoring Logs and Network Activity

- Handling Node Failures and Recovery

- Scaling the Fabric Network for Larger Deployments

Module 5: Fabric Security and Identity Management

- Setting Up Fabric Certificate Authority (Fabric-CA)

- Managing Membership and Access Controls

- Ensuring Data Privacy in Multi-Organization Networks

Module 6: Practical Applications and Use Cases

- Blockchain Solutions for Supply Chain and Finance

- Leveraging Hyperledger Tools: Composer and Explorer

- Case Studies: Accelerated Blockchain Deployments

Module 7: Capstone Project

- Building and Demonstrating a Complete Fabric Network

- Deploying a Multi-Organization Blockchain Application

- Presenting Project Insights and Solutions

Key Features of Blockchain Hyperledger Fabric Fast Track

- **Accelerated Learning**: Gain expertise in Hyperledger Fabric within a condensed timeframe.

- **Hands-On Approach**: Build, deploy, and operate a Fabric network through practical labs.

- **Real-World Focus**: Insights into enterprise-grade solutions and use cases.

- **Expert-Led Instruction**: Learn from industry professionals with extensive blockchain experience.

- **Capstone Project**: Showcase your skills by completing a real-world blockchain project.