

Mainframe

Duration – 60 Hours

Program Description

This program provides a comprehensive introduction to mainframe computing, covering core concepts, architecture, and development on enterprise-grade systems. Participants will learn about mainframe operating systems, batch processing, COBOL programming, JCL, and data management. The program emphasizes hands-on exercises to prepare learners for roles in mainframe development, operations, and support.

Learning Goals

- Understand mainframe architecture and operating environments (z/OS, CICS)
- Learn COBOL programming and JCL for batch processing
- Manage datasets, VSAM files, and mainframe databases
- Gain knowledge of transaction processing and system utilities
- Explore debugging, testing, and performance optimization techniques
- Understand security, job scheduling, and system monitoring
- Gain hands-on experience with real-world mainframe scenarios

Course Topics

- Introduction to Mainframes and Enterprise Computing
- Mainframe Architecture and z/OS Overview
- COBOL Programming Basics and Advanced Concepts
- Job Control Language (JCL) and Batch Processing
- Data Management: VSAM, DB2, and Mainframe Files
- CICS and Transaction Processing
- Debugging, Testing, and Performance Tuning
- Security, Scheduling, and System Monitoring
- Hands-on Projects and Case Studies

Modules can be customized to suit client's specific needs and duration accordingly