1) **Day-1**
   a) **Introduction to Integration**
      i) What is Application integration?
      ii) Types of integration
      iii) Enterprise Application Integration – An introduction
      iv) EAI Architecture
      v) What is SOA
      vi) What is Enterprise Service Bus
      vii) ESB Architecture
      viii) Role of ESB in SOA
      ix) Comparisons of ESB
   b) **Introduction to JBOSS Fuse**
      i) Installing JBoss Fuse (Standalone mode)
      ii) Discovering and Provisioning JBoss Fuse
      iii) Advanced OSGi Topics
      iv) Developing with JBoss Fuse
      v) JBoss Fuse Application Bundles: OSGi Made More Simple
   c) **Lab Exercise -1**
2) **Day-2**
   a) **Camel routing**
      i) Introduction to Camel
      ii) Using DSL to configure flow
      iii) Exposing different Endpoints
      iv) Routing logic implementation
      v) Data Transformation logic implementation
         (1) Xml transformation
         (2) Csv transformation
      vi) Writing Custom Transformer
      vii) Using beans through spring injection
      viii) Implement of SEDA in Apache Camel for better throughput
      ix) Logging and Exception Handling
      x) Developing Integration Solutions with Camel
      xi) Developing Custom Camel Components
      xii) Unit Testing Camel Applications
   b) Error Handling

   c) **Exposing Web services, File and JMS endpoints using Apache Camel**
      i) Processing of files
      ii) Configuration of Apache active MQ
      iii) Message processing
      iv) Hosting a restful web service in apache camel
      v) Hosting SOAP based service in apache camel
      vi) Configuring JMS endpoint

     d) Lab Exercise-2

3) Day-3
    a) Web services Security, Enterprise Integration Patterns Integration using Apache Camel
        i) Webservice Security an Introduction
        ii) Configuring security
        iii) Enterprise Integration Patterns
        iv) Enterprise Integration Patterns Implementation in Apache Came
             (a) Pipes   & Filter
             (b) Message Router
             (c) Content based Routing
             (d) Splitter and Aggregator
             (e) Polling Consumer
             (f) Wire Trap
             (g) Transformer etc.

 Note: The implementation of EIP patterns will cover most of the concepts in Apache Camel

    b) Lab Exercise-3

4) Day-4
    a) Fuse fabric deployment model
        i) High availability with Fuse architecture in fabric environment.
        ii) Deployment of Fuse in the fabric architecture with multiple instances
        iii) Load balancing and failover configurations
        iv) Creating fabric environment
        v) Understanding root container and child containers
        vi) Creating profiles and attaching them to containers
        vii) Adding bundles to profile
        viii) Installing the bundles with feature repository
        ix) Automatic deployment with feature repository using maven repository
        x) Avoiding common design and development pitfalls for the multi instance deployment architecture.
        xi) ActiveMq setup on Fabric
        xii) Zookeeper introduction.
    b) Lab Exercise -4
        A Live project (Based on Real Time Scenario)