Prerequisite’s:-

Core java:-

1. OOPS
2. Collections
3. Annotations
4. Generics
5. I/O Streams
6. Multi Threading
7. Exception Handling
8. Arrays
9. String Manipulation

Adv Java:-

1. JDBC
2. Servlet
3. JSP(optional)

Hibernate:-

1. Hibernate
2. Spring Basic Idea of Spring Core and MVC Spring Boot better to have
3. SQL Queries

**Course Content**

**Part 1:- Software Industry Exposure**

1. What is a software company
2. How many companies are available in the market
3. Diff between Product based and Service based Companies
4. Outsourcing Company
5. How the Interview process will be there in the Product based Company
6. Types of Projects, Type of work, Domain, Functional Domain, Technical Domain

Part 2:- Realitime Tools,

1. Maven,
2. SVN, GIT, Bitbucket
3. Log4J
4. Log Monitoring(Putty,Winscp,Splunk)
5. Junit
6. Mocking
7. Jacocco (Code coverage)
8. SonarQube( Code Review)
9. JMETER
10. POSTMAN & SOAP UI( api Testing)
11. MAT (Memory Analyzer Tool)
12. Jenkins (CI & CD)
13. Docker (containerization)
14. Cloud Deployment
15. AWS

**Part 3:- Mini Projects Development**

1. SDLC – Agile Methodology
2. STLC- Software Testing Life Cycle
3. Realtime Terminology
4. FDD
5. TDD
6. MOM
7. QueryLog
8. DB Design
9. DB Template
10. VC
11. UML Diagram
12. Mini Project (Spring Boot, MVC in memory DB) -curd Operations
13. Mini Project (PWD Encryption, Decryption, Mail API, Twillo api, poi, itext)
14. Mini Project (Page navigation, Ajax, Query)
15. Mini Project(Spring Boot+Angular 9 +Mongo DB)

**Part 4- Major Project**

Spring Boot+Rest api + MicroServices

Introduction to Project

Project Modules

Project Architecture

Functional flow of Project

Technical flow of Project

DB Design

Story Design and Development

Code Review

Unit Testing

Deployment

**Part 5-Interview Guide**

1. Multi Threading Realtime usecase
2. Reflection API Real time Use case
3. Custom class loader
4. Garbage Collection
5. Memory Management
6. Resume Preparation
7. Mock Interviews
8. Interview Questions & Answers