

MCS 220 Syllabus

Block 1 – Web Application Development Using J2EE

Unit 1 – Introduction to J2EE Architecture and Design Pattern

Unit 2 – Basics of Servlet

Unit 3 – Session Management and Database Connectivity in Servlet

Unit 4 – Java Server Pages

Block 2 – Frameworks for J2EE

Unit 1 – Introduction to J2EE Frameworks

Unit 2 – Frameworks Available For J2EE Development – Struts, Hibernate, Spring

Unit 3 – Spring MVC Concepts

Unit 4 – Spring MVC with Bootstrap CSS

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Block 3 – Spring Boot and Hibernate (ORM)

Unit 1 – Introduction to Spring Boot

Unit 2 – Configuration of Hibernate(ORM)

Unit 3 – CRUD Application Using Spring Boot and Hibernate

Block 4 – Web Security

Unit 1 – Spring Security Configuration

Unit 2 – Custom Login Using Security

Unit 3 – Role Based Login

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