

TECNIA INSTITUTE OF ADVANCED STUDIES

Grade 'A' Institute

Department of Information, Communication & Technology

Master Of Computer Applications (MCA)

Scheme and Syllabus (w.e.f. Academic Session 2020-21 onwards)

Course Code: MCA-207

Course Name: Enterprise Computing with JAVA

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LEARNING OBJECTIVES

In this course, the learners will be able to develop expertise related to the important concepts of web application design and development with understanding of the following concepts:-

1. Dynamic web pages using Servlets
2. Session management
3. Designing custom tags using JSP
4. Data access, searches and queries using HQL
5. Web Application development using Spring framework
6. Handling crosscutting concerns using Spring AOP

PRE-REQUISITES

Core Java

COURSE OUTCOMES (COs)

After completion of this course, the learners will be able to:

CO#	Detailed Statement of the CO	BT Level	Mapping to PO #
CO1	Model Java EE architectural components, Servlet creation and session management for web applications	BTL3	PO1, PO2, PO3, PO6, PO10, PO11
CO2	Inspect the fundamentals of Java Server Pages (JSP) and Struts for web-based applications.	BTL4	PO1, PO2, PO3, PO5, PO6, PO10
CO3	Appraise Hibernate Framework of JEE and apply constructs of Object Relational Mapping.	BTL5	PO1, PO2, PO3, PO4, PO5, PO6, PO10
CO4	Elaborate principles of Dependency Injection and its application in JEE	BTL5	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO10
CO5	Design applications based on Spring Boot and Spring AOP.	BTL6	PO1, PO2, PO4, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12