

TECNIA INSTITUTE OF ADVANCED STUDIES
Grade 'A' Institute
Department of Information, Communication & Technology
Bachelor of Computer Applications (BCA)
Scheme and Syllabus (w.e.f. AS 2021-22)

COURSE CODE: BCAP 315

COURSE NAME: WEB DEVELOPMENT WITH JAVA & JSP LAB

LEARNING OBJECTIVES:

In this course, the learners will be able to develop expertise related to the following:-

1. Learn Web development using Java.
2. Understand the basics of J2EE and Web development.
3. Understand and implement Servlet
4. Creating and implementing JDBC application.
5. Implement JSP and JSF concepts.
6. Understand the fundamentals of Hibernate, Struts and springs.

PRE-REQUISITES:

1. Programming Knowledge of Java
2. HTML

COURSE OUTCOMES (COs):

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

| CO# | Detailed Statement of the CO |
|-----|--|
| CO1 | Understand the concept of HTML, CSS and Java Script. |
| CO2 | Understand J2EE architecture, web application structure and web architecture models. |
| CO3 | Creating and configuring Servlets. |
| CO4 | Understand JDBC architecture and design database applications using JDBC. |
| CO5 | Design applications using JSP and JSF. |
| CO6 | Elaborate the functional programming concepts of Hibernate, Struts and Springs. |