* **Introduction to Web Development**
* Type of Applications
* Introduction to Web Applications
* Two Tier and Three Tier Architecture
* Introduction to Web Services
* **Basics of JDBC (Java To Database Connectivity)**
* Why Data Storage is required?
* Why RDBMS
* Why JDBC
* RDBMS Installation
* What is Driver
* How to Load a Driver
* How to get a Database Connection
* How to Issue a SQL Query in JDBC (CRUD Operations)
* How to Process the results given by RDBMS Application
* How to Close the JDBC Objects.
* **Basics of Servlet & JSP**
* Web App Introduction
* Type of Web App
* Ways to Interact with a Web Application
* Introduction to Web Server (Apache Tomcat)
* Web URL Introduction
* Components of Request and Response
* HTTP and HTTP Methods
* Servlet Introduction
* Writing a Simple Servlet Program
* Servlet Container
* Servlet lifecycle
* Basics of Cookies
* Basics of Session
* Basics of JSP
* Why JSP
* Simple Program in JSP
* JSP Tags
* Servlet and JSP Differences
* **Introduction to Maven**
* What is Maven
* Why Maven
* How to build a Maven Project
* **Introduction to XML and JSON**
* **Developing Web Services Using RESTful Architectre**
* Overview of Web Services
* Installation of necessary application/tools
* Creating the Firs Restful Web Services using Apache Jersey
* Introduction to JAXB API for XML Parsing
* Introduction to Jackson Framework for JSON Parsing
* Introduction to JAX-RS API