

# JAVA Syllabus

Course: Core JAVA / Advance JAVA(J2EE) / Servlet / My Sql/ Live Project

<p>➤ <b>Core JAVA</b></p> <ul style="list-style-type: none"><li>• OOPS Fundamental</li><li>• JVM and JRE</li><li>• Java class and Objects</li><li>• OOPS Implementation(Data abstraction, data encapsulation, inheritance, polymorphism)</li><li>• Constructors and Destructors</li><li>• Packages and Interfaces</li><li>• Garbage Collection</li><li>• Exception Handling</li><li>• String Handling</li><li>• Collection Package and Implementation</li><li>• Multi Threading</li><li>• Stream based I/O in Java</li><li>• Java GUI(AWT, Swing, event handling)</li></ul>	<p>➤ <b>Struts Framework</b></p> <ul style="list-style-type: none"><li>• Introduction to Struts</li><li>• MVC and Struts Architecture</li><li>• Actions, Results &amp; Interceptors</li><li>• Struts 2 Presentation Tags</li><li>• Creating Custom Interceptors and Results</li><li>• Validating Action Properties</li><li>• Generating Composite Views using Tiles</li><li>• Sample Project</li></ul>
<p>➤ <b>Advance Java (J2EE)</b></p> <ul style="list-style-type: none"><li>• Introduction to Web Application Technologies</li><li>• J2EE Architecture</li><li>• Java Services Pages(JSP)<ul style="list-style-type: none"><li>- Developing Dynamic and static Forms</li><li>- JSP directives</li><li>- JSTL and Custom Tag</li></ul></li><li>• Servlet<ul style="list-style-type: none"><li>- Hypertext Transfer Protocol</li><li>- HTTP GET/POST</li><li>- HTTP Request,HTTP Response</li><li>- HTTP session,Cookies</li></ul></li><li>• Servlet mapping with web.xml</li><li>• Container and Component</li><li>• Java Filters</li><li>• Tomcat server</li></ul>	<p>➤ <b>Hibernet</b></p> <ul style="list-style-type: none"><li>• Introduction to ORM and Hibernate</li><li>• Hibernate Architecture</li><li>• Hibernate Configuration</li><li>• Introduction to Session and SessionFactory</li><li>• Persisting Objects using Hibernate</li><li>• Inheritance Mapping</li><li>• Hibernate Query Language</li><li>• Integrating Struts &amp; Hibernate</li></ul>
<p>➤ <b>Java Database Programming</b></p> <ul style="list-style-type: none"><li>• JDBC Drivers</li><li>• Java database connectivity and executing different type of queries</li><li>• My SQL</li></ul>	<p>➤ <b>Industry Project Training</b></p> <ul style="list-style-type: none"><li>• JAVA Script</li><li>• Ajax</li><li>• Introduction to CSS and web templates</li><li>• MVC</li><li>• Generics</li></ul>
	<p>➤ <b>JAVA Editors</b></p> <ul style="list-style-type: none"><li>• Net Beans</li><li>• Eclips</li></ul>
	<p>➤ <b>Live Project</b></p> <ul style="list-style-type: none"><li>• Project Definition</li><li>• SRS &amp; Documentation</li><li>• GUI &amp; Database Design</li><li>• Coding with Industry Standards</li></ul>