

# Advanced Java

ADVANCED JAVA		
Module	Description	Week No
Database Programming	<ul style="list-style-type: none"><li>• JDBC overview</li><li>• SQL- Structured Query Language</li><li>• JDBC Programming Concepts</li><li>• Query Execution</li><li>• Scrollable and Updatable Result Sets</li><li>• Working with Statements</li><li>• Row Sets</li><li>• Batch Updates</li><li>• Calling stored procedures and functions</li><li>• ResultSetMetaData</li><li>• Transactions</li></ul>	
Getting Started with Web Applications	<ul style="list-style-type: none"><li>• Web Application Life Cycle</li><li>• Web Modules</li><li>• Configuring Web Applications</li><li>• Accessing Databases from Web Applications</li><li>• Jar, war and ear</li><li>• Webserver &amp; Application Server</li><li>• HTML</li><li>• Javascript</li></ul>	
Java Servlet Technology	<ul style="list-style-type: none"><li>• Servlets overview</li><li>• Servlet Life Cycle</li><li>• Sharing Information</li><li>• Initializing a Servlet</li><li>• Writing Service Methods</li><li>• Filtering Requests and Responses</li><li>• Invoking Other Web Resources</li><li>• Accessing the Web Context</li><li>• Session tracking and management</li></ul>	
Java Server Pages Technology	<ul style="list-style-type: none"><li>• JSP overview</li><li>• The Life Cycle of a JSP Page</li><li>• Declarations, Scriptlets, Expressions</li><li>• JSP Action tags</li><li>• Directives</li><li>• JSP implicit objects</li><li>• Scope in JSP</li><li>• Ajax</li><li>• HTML</li><li>• Javascript</li></ul>	
Java Server Pages Standard Tag Library	<ul style="list-style-type: none"><li>• Using JSTL</li><li>• Core Tag Library</li></ul>	
Enterprise JAVA Beans	<ul style="list-style-type: none"><li>• Enterprise Bean overview</li><li>• Types of enterprise beans</li><li>• Advantages of enterprise beans</li><li>• The Life Cycles of Enterprise Beans</li><li>• Working with Session Beans</li><li>• Statefuls vs. Stateless Session Beans</li><li>• Working with Entity Beans</li><li>• Bean Managed Persistence/Container Managed Persistence entity beans</li></ul>	

<b>JAVA Messaging Service (JMS)</b>	<ul style="list-style-type: none"><li>• Overview</li><li>• JMS architecture</li><li>• Messaging models</li><li>• Point-to-Point</li><li>• Publish/subscribe</li><li>• JMS API</li></ul>	
<b>Message-Driven Beans</b>	<ul style="list-style-type: none"><li>• Overview</li><li>• The Message-Driven Bean Class</li><li>• Life cycle of Message Driven Bean</li></ul>	