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| **Sl. No** | **Syllabus** | **Curriculum** | **Deployment Strategy and**  **Tool** | **Cross-cutting issues**  **integrated** | **PO, PSO and CO** | **Attainment Verification** |
| 1. | ADVANCED JAVA AND J2EE | 1. JEE (advance Java) provides libraries to understand the concept of Client-Server architecture for web- based applications. We can also work with web and application servers such as Apache Tomcat and Glassfish Using these servers, we can understand the working of HTTP protocol. It cannot be done in core Java. 2. Advance java is used for web based application and enterprise application. Advanced java & nbsp; is two tier architecture i.e., client and server. Advance java programming covers swings, socket, awt, thread concept as well as collection object and classess. 3. Advanced java course consist JDBC, HTML, Servlet, JSP and JSTL. Using JDBC concept you can learn database concepts in depth and perform all CRUD operations easily. Using HTML you can develop static web pages. Using Servlet and JSP you can develop dynamic web pages. | 1. Chalk and   Talk method   1. PPT | * Business   Ethics   * Human   values | PO1:Engineering Knowledge  PO2:Problem Analysis  PO3:Design/Development Of Solutions  PO4:Conduct Investigations Of Complex Problems  PO5:Modern Tool Usage  PO12: Life-long  Learning. |  |
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|  |  | **CO1:Explain** and **Implement** types of string constructors and string handling methods and operations.  **CO2:Elucidate** and **Implement** servlets, HTTP Requests and Responses, and JSP in web applications  **CO3:Illustrate** and **Apply** database connectivity and access through JDBC/ODBC bridge.  **CO4:Comprehend** the basics of enumerations, autoboxing and annotations and **Apply** the concepts with typical programs.  **CO5:Explain** the basics of different collections and interfaces and **Apply** the concepts with appropriate program. |
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