

Advance Java

Semester VI	Subject Code: BC61702	Lectures: 60
--------------------	------------------------------	---------------------

Objectives:

- The syllabus aims in equipping students with,
- Theoretical and practical knowledge of advance Java
 - Knowledge to develop programming logic

Unit 1:Multithreading	10
<ul style="list-style-type: none"> • Introduction to Thread • Life cycle of thread • Thread Creation - By using Thread Class - By Using Runnable interface • Priorities and Synchronization • Inter thread communication • Implementation of Thread with Applet 	

Unit 2:Networking	10
<ul style="list-style-type: none"> • The java.net package • Connection oriented transmission – Stream Socket Class • Creating a Socket to a remote host on a port (creating TCP client and server) • Simple Socket Program Example 	

Unit 3:Servlet	10
<ul style="list-style-type: none"> • Introduction • How It differ from CGI • Types of servlet • Life cycle of servlet • Execution process of Servlet Application • Session Tracking • Cookie class • Servlet- Jdbc 10 1,2 JSP 	

Unit 4: JSP	08
<ul style="list-style-type: none">• Introduction to JSP• Components of JSP Directives , Tags, Scripting Elements• Execution process of JSP Application• Building a simple application using JSP• JSP with Database	

Unit 5: Angular JS	10
<ul style="list-style-type: none">• Angular JS Introduction• Angular Expression• Angular module• Angular Directives(In Built)• Angular Forms	

***Contact hours – 12 hours**

Recommended Text Book:
<ul style="list-style-type: none">✓ 1. <i>Advance Java</i>, Nirali Publication✓ 2. <i>Advance Java</i>, Vision Publication✓ 3. <i>Advance java</i>, Tech-Max Publication

Reference Books:
<ul style="list-style-type: none">1. E Balgurusamy, <i>Programming with JAVA</i>2. JAVA Herbert Schildt, <i>The Complete Reference</i>3. Felix Alvaro, <i>Easy Angular JS for Beginners (Angular JS Series Book 1)</i>