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
• 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
• 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
• 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	

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Unit 4: JSP	08
- 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
- Angular JS Introduction - Angular Expression - Angular module - Angular Directives(In Built) - Angular Forms	

*Contact hours – 12 hours

Recommended Text Book:
1. *Advance Java,* Nirali Publication 2. *Advance Java ,* Vision Publication 3. *Advance java,* Tech-Max Publication

Reference Books:
1. E Balgurusamy, *Programming with JAVA* 2. JAVA Herbert Schildt, *The Complete Reference* 3. Felix Alvaro, *Easy Angular JS for Beginners (Angular JS Series Book 1)*