# Advanced Java Programming

### Unit 1

Java Database connectivity:- JDBC Archiecture- Drivers- Database connections-Statements-Resultsets-Transcations-metadata-stored procedures-error handling-BLOBs and CLOBS

### Unit 2

Java Networking :- RMI Introduction-Architecture- Defining remote Objects-Creating stubs & skeletons -Seializable classes-Accessing Remote Objects-factory classes-Dynamically loaded classes-RMI activation-Registering remote objects-marshalled objects CORBA -Architecture-Services-IDL-ORB-Naming service-Inter-ORB Comminication-creating CORBA objects-simple server class-helper class-holder class-client and server stubs-registering with naming services,findinf remote object-adding object to naming context-initial ORB references

### Unit 3

JNDI- Architecture-context-initial context class-Object in a context -Naming shell application-listing the children of acontext-binding objects -acessing directory services-X.500 dirctories-Dir context interface-Attributes and attribute interface-modifying directory entities-creating directory entities-searching.

### Unit 4

Java Servlets- Servelet life cycle-servlet Basic-servlet chaining-HTTP servlets-fonns and interaction-POST-HEAD and other request-server-side includes-cookies-Session tracking-databases and non-HTML Content-Request dispatching-shared attributes-resource abstraction

### Unit 5

Enterprise Java Beans:-EJB roles EJB Client-Object -container-Transaction Management implementing a Basic EJB Object-Implementing session Beans-Implementing Entity Beans-Deploying an enterprise Java Beans Object-Changes in EJB1.1 specification.

**Reference books.**

1. David Flanagan,Jim Parley, William Crawford & Kris Magnusson , Java Enterprise in a nutshell- A desktop Quick reference -O'REILLY, 2003

2. Stephen Ausbury and Scott R. Weiner, Developing Java Enterprise Applications, Wiley-2001

3. Jaison Hunder & William Crawford, Java Servlet Programming, O'REILLY, 2002