

1. Familiarization of features of any one of the standard UML case tool – Capturing key functional requirements - use cases class diagrams in online ticket / hotel reservation systems – student information system – sales & marketing system – banking system and inventory tracking system.
2. Behavioural diagrams – state chart diagram, etc for application systems – Implementation using any one of Object Oriented languages like Java, C++ for systems – component diagrams – deployment diagrams for systems – Test cases, integration test cases for systems
3. Java server pages, servlets – Distributed applications – Networking - E-banking applications -Event handling, Multithreading and E-commerce applications.
4. Web services – Business logic using Java - Components design using UML and implementation using Java - Persistence Framework design using Java - Realization of Design patterns like facade, chain of responsibility, proxy, momentos, observers, etc.