IT618 Enterprise Computing (3-0-4-5)
Instructor: P. M. Jat
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Course Description
Objective of the course is to learn whole array of java technologies for building enterprise applications. The course intends to provide lots of hands on, and students are engaged in developing mid-size projects drawn from real world, using J2EE technologies. Technologies that are to be included are Core Java with Collections, Swing, and JDBC API; HTML, XML, JSP/Servlet. Use of MVC frameworks like Apache Struts for building java based web applications. Students are also exposed to good program design practices and common J2EE patterns.

Content
- Quick revisit to OOP Concepts using Java
- Java core language
- APIs: Swing, Collection, JSP/Servlets
- Struts Framework
- Side by Side: God program design practices

Book
- “Big Java” by Cay S. Horstmann, Willey India
- Object Oriented Design & Patterns, 2nd ed, Cay Horstmann, Willey India
- Core Java Volume I - Fundamentals and Core Java, Volume II - Advanced Features by Cay S. Horstmann and Gary Cornell, Pearson
- Core Servlets and JavaServer Pages, 2nd ed, Volume 1: Core Technologies and Volume 2: Advanced Technologies by Marty Hall and Larry Brown, Pearson

Grading policy
- Best 6 out of 8 in-semester written/lab tests: 45%
- Class Participation and Attendance: 5%
- Projects Work: 20%
- End-semester examination: 30%

Attendance Policy
Students’ attendance would be taken on regular basis, and will be contribute towards grade as stated above.