

MC5313 PROGRAMMING WITH JAVA LABORATORY

DETAILED SYLLABUS

OBJECTIVES

- Try and develop the most important technologies that are being used today by web developers to build a wide variety of web applications.
- To develop Java based web programming.
- To understand and apply the fundamentals core java, packages, database connectivity for computing
- To enhance the knowledge to server side programming
- To provide knowledge on advanced features like Swing, JavaBeans, Sockets.

LIST OF EXPERIMENTS

1. Writing Java programs by making use of class, interface, package, etc for the following
 - Different types of inheritance study
 - Uses of „this“ keyword
 - Polymorphism
 - Creation of user specific packages
 - Creation of jar files and using them
 - User specific exception handling
2. Writing window based GUI applications using frames and applets such as Calculator application, Fahrenheit to Centigrade conversion etc.
3. Application of threads examples
4. Create a Personal Information System using Swing
5. Event Handling in Swing
6. Reading and writing text files
7. Writing an RMI application to access a remote method
8. Writing a Servlet program with database connectivity for a web based application such as students result status checking, PNR number enquiry etc.
9. Creation and usage of Java bean
10. Create an Application to search Phone Number using contact Name Using Hash Map.
11. Create an Application which finds the Duplicates in E-mail using Set Interface.
12. FTP Using Sockets.