MANIPAL INSTITUTE OF TECHNOLOGY

(A constituent college of Manipal University, Manipal)

DEPARTMENT OF COMPUTER SCIENCE & ENGG.

COURSE PLAN

Department   : **COMPUTER SCIENCE & ENGG.**

 Subject   : EVENT DRIVEN PROGRAMMING USING JAVA (CSE 208)

Semester & branch   : **IV Sem, CS & E**

Name of the faculty   : **1) Dr. Harish S V**
                                      2) Mr. Chidananda Acharya
                                      3) Ms. Roopashri Shetty

No of contact hours/week   :   **3 (L) + 1 (T)**

Assignment portion	
Assignment no.	**Topics**
1	**Lecture No 1-17**
2	**Lecture No 18-28**
3	**Lecture No 29-44**
Test portion	
Test no.	**Topics**
1	**Lecture No 1-21**
2	**Lecture No 22-44**

<u>Submitted by:</u> Dr. Harish S V

(Signature of the faculty)
Date:

<u>Approved by:</u>

(Signature of HOD)
Date:

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Lecture no.	Topic to be covered
1	Object Oriented Programming, Bytecode Concept, Java Buzzwords
2	A First Simple Program, Lexical issues
3	Data Types and variables
4	Type Conversion & Casting, Automatic Type Promotions (T)
5	Arrays, primitive wrapper classes
6	Operators
7	Control Statements
8	Classes (T)
9	Methods
10	A closer look at methods & classes
11	A closer look at methods & classes (contd)
12	Inheritance (T)
13	Inheritance (contd)
14	Packages
15	Access Protection
16	Importing packages (T)
17	Interfaces
18	Exception Handling Fundamentals, Exception Types
19	Using Try & Catch, Multiple Catch clauses
20	Nested try statements, throw, throws (T)
21	Finally, creating your own exception subclasses

22	Java thread model, the main thread
23	Creating a thread, Creating multiple threads
24	Synchronization (T)
25	Interthread Communication
26	The Java I/O Classes And Interface, File, Standard Streams, purpose & usage
27	The Byte Streams, The Character Streams
28	Serialization (T)
29	Applet Fundamentals, Applet Basics, Applet Architecture
30	An Applet Skeleton, Simple Applet Display Methods
31	Requesting Repainting, Passing Parameters To Applets
32	Two Event Handling Mechanisms, The Delegation Event Model (T)
33	Event Classes, Sources of Events
34	Event Listener Interfaces, Adapter classes, Inner classes
35	AWT classes, Window Fundamentals, Working With Frame Windows
36	Creating a Frame window in an Applet (T)
37	Controls, Labels, Using Buttons
38	Understanding Layout Managers
39	Menu Bars and Menus, Dialog Boxes, File Dialog
40	Data Bases Introduced (T)
41	JDBC explored
42	JApplet, Icons and Labels, Text Fields
43	Buttons, Combo Boxes, Tabbed Panes

44	Scroll Panes, Trees, Tables (T)
45	Background, The Life Cycle, The Java Servlet Development Kit
46	The Simple Servlet, The Servlet Api
47	The Javax.Servlet Package, Reading Servlets Parameters, Reading Initialization Parameters
48	Usage Of Servlet Properties File, The Javax.Servlet.Http Package, Handling http requests and responses (T)

TEXT BOOK-
Herbert Schildt , "The Complete Reference Java Seventh Edition" Tata McGraw-Hill, New Delhi

REFERENCE BOOK-
Steven Holzner**,** "Java 2 programming Black Book" , (JDK 5 Edition), DreamTech, New Delhi

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