



B. P. Poddar Institute of Management & Technology
Department of Electronics & Communication Engineering
Academic Year: 2024-25



LESSON PLAN

Name of the faculty: Ramesh Kumar
Year: 4th
Course Name: Web Technology

Branch & Section: ECE (Sec-B)
Semester: 7th
Course Code: OE-EC704A

L. No.	Topics to be Covered	Books	Teaching Aids	Teaching Methodology
L1	Introduction of course: CO,PO,PSO	-	PPT	lectures, discussions
L2	HTML, Structure, Tags, Lists, Table, Link and it's types, Images,	T1, R1	Green board, PPT	lectures, discussions
L3	Form, Frame, Style sheets and its type	T1, R1	Green board, PPT	lectures, discussions
L4	Java and Java applications, Java Virtual Machine (JVM), Java Runtime Environment (JRE)Java Development Kit (JDK,) Byte code,	T1, R1, R3	Green board, PPT	lectures, discussions
L5	Java characteristics, Object oriented Programming, Simple java programs, Data types,	T1, R1, R3	Green board, PPT	lectures, discussions, Quiz
L6	Operators, Expressions, control statements	T1, R1, R3	Green board, PPT	lectures, discussions
L7	Selection statements, Iteration statements, Jump statements	T1, R1, R2	PPT	lectures, discussions
L8	Classes in java, Declaring a class, Creating instances of class,	T1, R1, R2	Green board, PPT	lectures, discussions
L9	Constructors, Argument Passing, use of static keyword, Inner class. Method overloading,	T1, R1, R2	Green board, PPT	lectures, discussions
L10	Inheritance, use of super keyword ,Method overriding,	T1, R1, R2	Green board, PPT	lectures, discussions
L11	Abstract class, Dynamic method dispatch, use of final keyword	T1, R1, R2	Green board, PPT	lectures, discussions
L12	Package, Access control mechanism, Interface, Dynamic Method look up	T1, R1	Green board, PPT	lectures, discussions
L13	Java Exception Handling Mechanism, try, catch, throw, throws and finally,	T1, R1, R2	PPT	lectures, discussions
L14	Exception types, Built in Exceptions: checked and unchecked exceptions, User defined Exceptions	T1, R1, R2, R3	Green board, PPT	lectures, discussions
L15	String and String Buffer, Constructors, String operations :	T1, R1, R2, R3	Green board, PPT	lectures, discussions
L16	character extractions, String comparisons, searching, strings, modifying a string.	T1, R1, R2, R3	Green board, PPT	lectures, discussions
L17	To String() and valueOf() methods, String	T1, R1,	Green board,	lectures,

	Buffer operations	R2, R3	PPT	discussions
L18	I/O basics, Byte stream, Character stream	T1, R1, R2, R3	Green board, PPT	lectures, discussions
L19	Reading console input, Writing console output, Reading and writing files	T1, R1, R2, R3	PPT	lectures, discussions
L20	Collection overview, Collection interfaces,	T1, R1, R2, R3	Green board, PPT	lectures, discussions
L21	Collection classes: Array List, LinkedList,	T1, R1, R2	Green board, PPT	lectures, discussions
L22	Accessing a collection using, iterator and for-Each statement	T1, R1, R2, R3	Green board, PPT	lectures, discussions
L23	Applet class, Applet architecture, Applet Skeleton, Life cycle methods,	T1, R1, R2, R3	Green board, PPT	lectures, discussions
L24	setForeground() and setBackground() methods, Using the status window,HTML	T1, R1, R2, R3	Green board, PPT	lectures, discussions
L25	Applet tag, Passing parameters to an applet, GetCodebase() and GetDocumentbase() methods.	T1, R1, R2, R3	PPT	lectures, discussions
L26	Delegation Event Model, Event classes,	T1, R1, R2, R3	Green board, PPT	lectures, discussions
L27	Sources of Events, Event Listener interfaces,	T1, R1, R2, R3	Green board, PPT	lectures, discussions
L29	Event handling using adapter class, Inner and anonymous class, AWT classes: Label,Button,TextField	T1, R1, R2, R3	Green board, PPT	lectures, discussions

Text Book

T1: Java-The Complete Reference, Herbert Scheldt, 9th Edition, McGraw Hill Education 2014

Reference Book

R1: HTML- Complete Reference, Powell, 3rd Edition, TMH 2007

R2: Core Java-An Integrated Approach, Dr. R.Nageswara Rao, Dreamtech 2015

R3: Java and Object-Oriented Programming Paradigm, Debasish Jana, PHI Learning Private Limited, 2005

Course Faculty