

SARDAR RAJA COLLEGE OF ENGINEERING

RAJA NAGAR, ALANGULAM

Department of Computer Applications



Subject Name : WEB PROGRAMMING

Subject Code : MC9235

Year : II – M.C.A

Semester : III

Mrs. S. Antony Alice Jeya Bharathi

Asst.Prof / MCA

OBJECTIVES

1. To Understand the Basic Internet Concept
2. To Understand how to create and maintain website.
3. To Understand fundamentals of programming such as variables, conditional and iterative execution, methods, etc.
4. To Understand fundamentals of object-oriented programming in Java, including defining classes, invoking methods, using class libraries, etc.
5. To Understand advanced java programming concept such as Servlets, RMI, JDBC and Bean.

UNIT I BASIC INTERNET CONCEPTS**8**

Connecting to the Internet – Domain Name System - Exchanging E-mail – Sending and Receiving Files - Fighting Spam, Sorting Mail and avoiding e-mail viruses – Chatting and Conferencing on the Internet – Online Chatting - Messaging – Usenet Newsgroup – Internet Relay chat (IRC) – Instant Messaging - Voice and Video Conferencing.

UNIT II WORLD WIDE WEB**8**

Overview – Web Security, Privacy, and site-blocking – Audio and Video on the web – Creating and Maintaining the Web – Web site creation concepts – Web Page Editors – Optimizing Web Graphics – Web Audio Files – Forms, Interactivity, and Database- Driven Web sites – File Transfer and downloading – FTP – Peer to Peer – Downloading and Installing software.

UNIT III JAVA FUNDAMENTALS**8**

Java features – Java Platform – Java Fundamentals – Expressions, Operators, and Control Structures – Classes, Packages and Interfaces – Exception Handling.

UNIT IV PACKAGES**12**

AWT package – Layouts – Containers – Event Package – Event Model – Painting – Garbage Collection - Multithreading – Language Packages.

UNIT V ADVANCED JAVA PROGRAMMING**9**

Utility Packages – Input Output Packages – Inner Classes – Java Database Connectivity - Servlets - RMI – Java Beans.

TOTAL: 45 PERIODS**TEXT BOOKS:**

1. Margaret Levine Young, “Internet and WWW”, 2nd Edition, Tata McGraw Hill, 2002. (Unit 1 & 2)
2. Herbert Schildt, The Complete Reference – Java 2, 4th Edition, Tata McGraw Hill, 2001. (Unit 3, 4 & 5)

REFERENCES:

1. Keyur shah, “Gateway to Java Programmer Sun Certification”, Tata Mc Graw Hill 2002.
2. Deitel & Deitel, Java How to Program, Prentice Hall 1999.

Micro Lesson Plan

Hours	Lecture Topics	Text Book
	UNIT I BASIC INTERNET CONCEPTS	
1	Connecting to the Internet	T1
2	Domain Name System	
3	Exchanging E-mail , Sending and Receiving Files	
4	Fighting Spam, Sorting Mail and avoiding e-mail viruses	
5	Chatting and Conferencing on the Internet	
6	Online Chatting , Messaging , Usenet Newsgroup	
7	Internet Relay chat (IRC)	
8	Instant Messaging , Voice and Video Conferencing.	
	UNIT II WORLD WIDE WEB	
9	Overview, Web Security, Privacy, and site-blocking	T1
10	Audio and Video on the web	
11	Creating and Maintaining the Web	
12	Web site creation concepts	
13	Web Page Editors ,Optimizing Web Graphics	
14	Web Audio Files	
15	Forms, Interactivity, and Database, Driven Web sites	
16&17	File Transfer and downloading ,FTP, Peer to Peer	
18	Downloading and Installing software	
	UNIT III JAVA FUNDAMENTALS	
19	Java features	T2
20	Java Platform	
21 &22	Java Fundamentals	
23	Expressions, Operators	
24&25	Control Structures	
26&27	Classes	
28	Packages	
29	Interfaces	
30	Exception Handling.	
	UNIT IV PACKAGES	
31&32	AWT package	T2
33&34	Layouts	
35&36	Containers	
37&38	Event Package	
39&40	Event Model	
41	Painting	
43	Garbage Collection	
44	Multithreading	
45	Language Packages	
	UNIT V ADVANCED JAVA PROGRAMMING	
46&47	Utility Packages	T2
48&49	Input Output Packages	
50	Inner Classes	
51	Java Database Connectivity	
52	Servlets	
53	RMI	
54	Java Beans	