MAHENDRA ENGINEERING COLLEGE
(Autonomous)
Syllabus

Department	Information Technology	Programme Code			2071

V Semester

COURSE CODE	COURSE NAME	PERIODS /WEEK			CREDIT	MAXIMUM MARKS
		L	T	P	C	
15IT14304	WEB TECHNOLOGY	3	0	0	3	100

Objective(s)	• To Create simple web pages and provide client side validation. • To create dynamic web pages using server side scripting. • To learn various server side technologies.
Outcome(s)	Upon completion of this course . students will be able to • Discuss the insights of internet programming and implement complete application over the web. • Demonstrate the important HTML tags for designing static pages and separate design from content using Cascading Style sheet. • Utilize the concepts of JavaScript

UNIT-I	INTRODUCTION	9

Introduction to Internet – Principles – Basic Web Concepts- World Wide Web – Web Servers – Web Browsers- URL – MIME – HTTP – SGML – Internet Protocols – Standards.

UNIT-II	COMMON GATEWAY INTERFACE PROGRAMMING	9

HTML Forms – CGI Concepts- HTML Tags Emulations – Server – Browser Communications – E-Mail Generations – CGI Client Side Applets – CGI Server Applets – Authorization and Security – Introduction to PERL.

UNIT-III	SCRIPTING LANGUAGES	9

Java Script Programming – Dynamic HTML – Cascading Style Sheets – Object Model And Event Model – Filters And Transitions – ActiveX Controls – Multimedia.

UNIT-IV	SERVER SIDE SCRITPING	9

Server Side Scripting – Servlets – Java Server Pages – Session Management – Cookies – Database Access Through Web – SQL – Architecture For Database System.

UNIT-V	ON-LINE APPLICATIONS	9

E-commerce – Business Models For E-Commerce – Enabling Technologies Of The World Wide Web – E-Marketing – E-Security – E-Payment Systems –E-Customer Relationship Management.

	TOTAL PERIODS	45

TEXT BOOKS :

1. Deitel and Deitel , Goldberg "Internet & World Wide Web , How to Program ", Fifth Edition , Pearson Education,2012

2. P.T.joseph, S.J, "E-Commerce , An Indian Perspective ", Fourth Edition , PHI Learning , 2012

REFERENCES:

1. Robert. W. Sebesta, "Programming the World Wide Web", Fourth Edition, Pearson Education, 2007.
2. Jeffy Dwight , Michael Erwin and Robert Niles, "Using CGI ", PHI, QUE 1999.
3. Marty Hall and Larry Brown. "Core Web Programming" Second Edition, Volume I and II. Pearson Education, 2001.
4. Bates, "Developing Web Applications", Wiley, 2006.