

PR-1 WEB DEVELOPMENT LAB

Practical	4 Periods per week	Term Work	25 Marks
Total Periods	60 Periods	Term End Exam	50 Marks
Examination	3 Hours	TOTAL MARKS	75 Marks

RATIONALE:

This course will enable the students to understand and develop competency amongst the students to design professional database backed dynamic and feature based web sites. The course covers the use of programming with PHP and the concepts of database with My SQL.

OBJECTIVES

After going through the subject, the student will be able to

- Compare and contrast the use of various mark-up languages.
- Perform various logical operations in PHP
- Create simple programmes to validate forms in PHP
- Perform database connectivity using PHP

DETAILED CONTENTS

1. DEVELOPING PORTALS USING HTML

Introduction to HTML 5 and CSS 3. Basic structure of HTML, designing a web page, inserting links images, horizontal rules, comments. Formatting text, title, headings, colors, fonts, sizes, simple tables and forms. HTML tags, hyperlinks. Adding graphics and images, image maps, image files. Using tables, forms, style sheets and frames. Floating of web site/pages.

2. PHP

Introduction to PHP: How PHP Works , The php.ini File, Basic PHP Syntax, PHP variables, statements, operators, decision making, loops, arrays, strings, forms, get and post methods, functions.

Introduction to cookies, storage of cookies at client side, Using information of cookies. Creating single or multiple server side sessions. Timeout in sessions, Event management in PHP. Introduction to content management systems based on PHP.

3. PHP and MySQL

Introduction to MySQL, connecting to MySQL, database, creation, insertion, deletion and retrieval of MySQL data using PHP.

LIST OF PRACTICALS

1. Design PHP based web pages using correct PHP, CSS, and XHTML syntax, structure.
2. Create Web forms and pages that properly use HTTP GET and POST protocol as appropriate.
3. Design SQL language within MySQL and PHP to access and manipulate databases.
4. Install and configure both PHP and MySQL.
5. Create PHP code that utilizes the commonly used API library functions built in to PHP.
6. Design and create a complete web site that demonstrates good PHP/MySQL client/server design.

7. To store a cookie using PHP on client side.
8. To save the user session on server side.
9. Design website

RECOMMENDED BOOKS:

Sl.No	Name of Authors	Title of the Book	Name of the publisher
1	Julie C. Meloni,	Sams Teach Yourself PHP, MySQL, and Apache All in One	SAMS ,ISBN 0-672-32976-X
2	Ivan Byross	Web enabled development application	TMH