

# **MAR AUGUSTHINOSE COLLEGE RAMAPURAM**



## **DEPARTMENT OF COMPUTER SCIENCE**

Scheme and Syllabus of  
Value Added Course

**MAVAC012    Web Designing**

## **BOARD OF STUDIES (BoS)**

**Chairman-** Mr. Prakash Joseph (Head, Department of Computer Science)  
**Members-** Dr. Ojus Thomas Lee (HOD, Dept. of CS, College of Engineering, Kidangoor)  
Mr. Sunil K. Joseph (Asso. Prof. Department of Computer Science)  
Mr. Arun K. Abraham (Asst. Prof. Department of Computer Science)

### **INTRODUCTION**

The Value-Added Courses aims to provide additional learner centric graded skill oriented technical training, with the primary objective of improving the employability skills of students

### **AIM OF THE PROGRAMME**

Understanding various aspects of the subject and acquiring methodological knowledge of them. Application of this knowledge in a suitable manner in required fields.

### **ELIGIBILITY FOR ADMISSIONS**

All UG and PG students from various departments of the college. The number of intakes to the course is limited. The course can be offered only if there are at least 5 students opting for it.

**MEDIUM OF INSTRUCTION:** English.

### **DURATION OF THE COURSE**

The duration of value-added course is 30 hours (including the hours of final examination) of which 15hrs theory and 15hrs for laboratory/demonstration/experimental activities and the course can have a maximum of three hours a day.

The value-added courses will be offered beyond the usual class hours and days of the college. The value-added course will be a blend of theory classes / experimental learning / project-based learning / assignments / activity-based learning.

### **COURSE OBJECTIVES**

- To understand internet fundamentals.
- To familiarize major web design tools like HTML, CSS & JavaScript.
- To understand server side scripting using PHP

### **COURSE OUTCOMES (Cos)**

- Design a static website using HTML
- Create a dynamic website using HTML, CSS & JavaScript
- Create a web application using PHP

## EVALUATION

1. The value-added courses shall be evaluated through an examination at the end of the course.
2. The duration of examination is two hours.
3. The total marks of the examination shall be 100

Components of Evaluation	Marks
Attendance	10
Assignment / Seminar	10
Project & Viva	30 (20+10)
External Examination	50
Total	100

### Pattern of questions Paper

Sl. No.	Pattern	Marks	Choice of questions	Total marks
1	Short Answer/problem type	2	5/7	10
2	Short essay/problem	5	4/6	20
3	Essay/problem	10	2/4	20
Total				50

4. A committee consisting of the Head of the Department, the course coordinator and a senior faculty member nominated by the Head of the department shall monitor the evaluation process.
5. The list of students along with the marks and the grades earned may be forwarded to the Principal/Chief Superintendent of Examinations.
6. The Dept. course coordinator is responsible for maintaining and processing the record with regard to the course, assessment marks and results.
7. Certificates will be issued to those students with 75% attendance, timely submission of assignment and project and a minimum of 40% marks in the qualifying examination.

### Grading Pattern

Grades are given **on a 7-point scale** based on the total percentage of marks, (*ISA+ESA*) as given below: -

Percentage of Marks	Grade
95 and above	S Outstanding
85 to below 95	A <sup>+</sup> Excellent
75 to below 85	A Very Good
65 to below 75	B <sup>+</sup> Good
55 to below 65	B Above Average
45 to below 55	C Satisfactory
35 to below 45	D Pass
below 35	F Failure
Absent	Ab

# **SYLLABUS**

## **Course Code MAVAC012      Web Designing**

**Total hours of instruction: 30 Hours**

### **Module 1 (06 Hrs.) Internet Fundamentals and HTML**

#### **1.1 To Understand Internet Fundamentals and HTML**

- 1.1.1. Define Internet, Internet Protocol Address, Domain Names
- 1.1.2. Explain World Wide Web
- 1.1.3. Differentiate between World Wide Web and Internet
- 1.1.4. Define Web Browsers, Web Servers with examples
- 1.1.5. Explain HTML
- 1.1.6. Explain the format of a HTML page
- 1.1.7. Describe Elements and Attributes
- 1.1.8. Explain Basic tags, heading tags, paragraph tags, formatting tags
- 1.1.9. Define HTML List
- 1.1.10. Describe Hyperlink and anchor tag.
- 1.1.11. Describe how to use Table tags and its attributes
- 1.1.12. Describe how to use Frames tags
- 1.1.13. Describe Form tag with all of its attributes
- 1.1.14. Differentiate between get and post methods
- 1.1.15. Design simple web pages containing using HTML tags

### **MODULE – II ((10 Hrs.) CSS & JAVASCRIPT**

#### **2.1 Understand CSS & JAVASCRIPT**

- 2.1.1 Explain the use of Cascading Style Sheets (CSS)
- 2.1.2 Describe CSS syntax
- 2.1.3 Explain CSS selectors
- 2.1.4 Illustrate how to insert CSS in a web page
- 2.1.5 Explain basic CSS properties – font, color, background, list, link, text
- 2.1.6 Implement CSS in web pages
- 2.1.7 State the need for scripting languages
- 2.1.8 Define server-side scripting and client-side scripting
- 2.1.9 List client-side scripting languages
- 2.1.10 Illustrate how JavaScript is used in an HTML page
- 2.1.11 Describe Programming elements in JavaScript
- 2.1.12 Describe Document Object Model
- 2.1.13 Explain how Event Handling is done using JavaScript
- 2.1.14 Explain how input data validations are done using JavaScript
- 2.1.15 Describe Dynamic Documents with JavaScript
- 2.1.16 Design web pages implementing event handling and input validations

## **MODULE – III Server Side Scripting – PHP (09 Hrs.)**

### **3.1 Understand Server-Side Scripting – PHP**

3.1.1 Describe Server-Side Scripting

3.1.2 List Server-side scripting languages

3.1.3 State advantages of PHP

3.1.4 Describe how Apache, MySQL, and PHP

3.1.5 Describe how a PHP script is embedded in a webpage and executed

3.1.6 Describe PHP language elements

3.1.7 Describe Form Handling

3.1.8 Describe how Page Redirection and file uploading in PHP Implement File Uploading from a Webpage

## **MODULE – IV Course Project and Exam– PHP (05Hrs)**

- **Live Website creation**