

RAJE RAMRAO MAHAVIDYALAYA, JATH

Dist. Sangli (Maharashtra) 416 404

Department of B.C.A



**“Certificate Course in Web
Designing & Multimedia
Management”**

By

Coordinator

Miss Balikai J.I.

Raje Ramrao Mahavidyalaya, Jath.

Academic Year

(2022 – 2023)

Course Syllabus

- 1.Program of Study:-** All B.C.A students
- 2.Faculty/Institute/College:-** Raje Ramrao Mahavidyala, Jath.
- 3.Course Title:-** Certificate Course in Web Designing & Multimedia Management
- 4.Type of Course:-** Web Designing
- 5.Duration :-** 3 Months
- 6.Course Objectives:**

1. Understand the principles of creating an effective web page, including an in- depth consideration of information architecture.
2. Develop skills in analyzing the usability of a web site.
3. Understand how to plan and conduct user research related to web usability.
4. Develop basic programming skills using Javascript and jQuery.
5. Be able to embed social media content into web pages.

7. Web Designing Course Curriculum:-

Students will develop an understanding of the formalistic (aesthetic) aspects of design and visual communication. [MM/MAC].Students will demonstrate cross- platform (web, mobile, broadcast, print) Storytelling skills.[MM/MAC]

Students will develop and understanding of information design and usability as it applies to interactive media projects. [IM].Students will utilize coding and software tools to analyze and present data in a professional manner that could be translated to web-based or app-based media. [IM]

8.Course Outcomes:

1.Students will be able to perform web application .

2. They can work with organizations as Test Engineers or on personal capacity.
3. Students Simple and impressive design techniques, from basics till advanced to focus on goal oriented and user centric designs.
- 4.Understand the environment of PHP programming Language.
5. Develop web applications using PHP.

work as bug bounty hunters. 4. They will be able to learn advanced cyber security also.

1. Evaluation:-

All Students performance will be evaluated through

a. Attendance	10 Marks
b. Assignments	20 Marks
c. Class Test	20 Marks
d. Written test	50 Marks
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	100 Marks

2. Syllabus of the Course:

Content

Duration: 48 hours

Month:-3

Unit	Syllabus	Duration in Hrs
Unit I	PHP introduction, Basic Syntax, PHP variables and constants, Types of data in PHP, Expressions, scopes of a variable (local, global),	4hrs
	Operators: Arithmetic, Assignment, Relational, Logical, Bitwise, ternary and MOD operator.	4hrs
	Control Structures: PHP if else conditional statements (nested if and else), switch case, while, for and do while loop, goto, break, continue and exit.	8hrs
Unit II	String and Regular Expression Creating and accessing String , Searching & Replacing String,Formatting, joining and splitting String ,String Related Library functions	8hrs
	Arrays: Anatomy of an Array, Creating index based and Associative array, Accessing array, Looping with Index based array, with associative array using each() and foreach().	8hrs
	Functions: Need of Function, Scope of Function Global and Local, declaration and calling of a function, PHP Function with arguments, Default Arguments in Function, Function argument with call by value, call by reference,	8hrs
	Working with Forms: Processing Form Input, Validating Form Input: Required Fields, Numbers, Email Addresses, Drop-Down Menus, Radio Buttons, Checkboxes, Dates and Times.	8hrs

3. References:-

1. **PHP & MySQL for Dummies by Janet Valade**
2. **PHP and MySQL Web Development by Luke Welling, Laura Thompson**
3. **Programming PHP by RasmusLerdorf, Kevin Tatroe**
4. **PHP Cookbook by David Sklar& Adam Trachtenberg**