**Cycle Programs List**

**Subject code and Name: RLMCA 233 Web Programming Lab**

**CYCLE 1**

1. Design a web page to display the information of MCA department of SAINTGITS by using basic page tags. Display the information in the form of paragraphs/sentences.

* Apply various colors to suitably distinguish key words. Also apply font styling like italics, underline and two other fonts to words you find appropriate. Also use header tags.
* Create links on words.
* Insert an image and create a link such that clicking on image takes user to other page.
* Change the background color of the page. At the bottom create a link to take user to the top of the page.

Purpose: - This exercise introduces the basic HTML document format and basic page designing tags for static page. (Use tags for paragraph, font, color, line break, bold, italic, underline, subscript, superscript, etc.)

1. Design a page to display the three years and subject details using List tag. Create hyperlinks to show Information, objectives and syllabus each subject

Purpose: - Introduce list tag to display data in ordered or unordered format as main, sub main, sub-sub main, etc by using nos. or special types of bullets. Introduce anchor tag to create links between pages. One can able to transfer the control to next page, previous page or to a specific page like Home page.

1. Design web pages which display the product images and its information with it. The products are computer, printers and laptop. The information displayed of product should be configuration/ technical details, price etc.

Purpose: - Study image tag. Display image in tabular form along with the other text information. Introduction of table tags along with the sub columns and other supportive tags like caption, cell spacing, cell padding etc

1. Design web pages to accept the student information. Student should enter the details like first name, last name, middle name, city up to 25 characters, and address up to 50 characters. Show the combo box to select the qualification, option button for gender selection. Display the information accepted in a formatted form

Purpose: - Study form tag which allow designing the formatted screen to accept the information from the user.

1. Create a web page with all types of Cascading style sheets.(Inline, internal and External).

Purpose: - Study CSS style sheet facility. This allows setting the default settings for all the pages.

**CYCLE 2**

1. Design a form and validate the data entered by the user.

Purpose: - Study Java script. Validate data entered by user.

1. Create a web application using JavaScript to do the following operations:
2. Reverse a number
3. Check the given number is prime or not
4. Factorial of a number
5. Create JavaScript to sort array integer values.
6. Create a simple page quiz application and display the correct answers marked JavaScript
7. Create a PHP script to find the grade of a student

**CYCLE 3**

1. Create a function script to find the BMI of a person.
2. Create a web page to input name, email, username and password. Validate the details by using a PHP script and display a page with welcome message on success
3. Create class College with protected data college\_id and college\_name. Create a sub class Student from College with protected data student\_id, stud\_name, stud\_course and stud\_sub\_marks to store 6 semester total marks. Write necessary methods and print the progress report of a student.
4. Create an abstract class Company with protected data company\_name, location and total number of employees. Create an abstract method to calculate the pay slip of employees (Input instant variables). Derive a class Employee from Company with private data emp\_id, emp\_name, salary, HRA, PF, LIC and DA. Calculate the gross pay and net pay. Implement a web application to test the Employee class
5. Create a Cookie to store a value "MCA 407 Open Source Lab – PHP” in the cookie. Create a web application to add, display and delete cookie information.

**CYCLE 4**

1. Create a web application to login and display quotes for days with an image and user name using session tracking
2. Create a web application to copy the contents of one file to another and display the number of lines, characters, special characters and digits in the file.
3. Create a web application to upload a file and download a file from the server. Use a login system for authentication
4. Create a web application to implement the address book. Give menu options to add, modify, delete and display details. Create a login page for authentication.
5. Develop a PHP web application to accept book information such as Accession number, title, authors, edition and publisher from a web page and store the information in a database and to search for a book with the title specified by the user and to display the search results with proper headings.