# MC5312 WEB PROGRAMMING LABORATORY

## DETAILED SYLLABUS

## OBJECTIVES

- Try and develop the most important technologies that are being used today by web developers to build a wide variety of web applications.
- To build web applications using proven developer tools and message formats.
- To understand and practice web development techniques on client-side
- Web applications using technologies such as HTML, CSS, Javascript, AJAX, JQuery and JSON.

## LIST OF EXPERIMENTS

1. Create your own Resume using HTML 5 Tags
2. Debug and validate your HTML document ( Resume ) using W3C validator and fix the issues. (https://validator.w3.org/#validate_by_upload ).
3. Add Styles to your Resume using CSS 3 Properties.
   a. Add External, Internal and Inline CSS styles to know the priority.
   b. Add CSS3 Animation to your profile.
4. (a) Add functionalities that use any 2 of HTML 5 API"s.

   (b). Create a student Registration form for Job Application and validate the form fields using JavaScript.
5. (a) Create a CGPA Calculator in Web Brower using HTML, CSS and JavaScript. Use functions in JavaScript.

   (b) Create a Quiz Program with adaptive questions using JavaScript.
6. Create a Pan Card Validation form using Object Oriented JavaScript, consider the 10th character to be an alphabet.
   a. Get the user"s First Name, Last Name and other required fields as input
   b. Assume the last digit of the Pan Number to be an alphabet
   c. Validate the PAN Number.
7. (a) Create an online Event Registration form and validate using JQuery

   (b) Create an online video Player which will allow you to play videos from the system and also create custom playlist using JQuery.

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*Notes*                                              *Available @*
*Syllabus*
*Question Papers*                          www.AllAbtEngg.com
*Results and Many more…*

8. Construct a JSON Structure for a bookstore and validate it using JSON Validator such as http://jsonlint.com/ and parse the Json file to list the books under the category "Fiction". Use Javascript or JQuery for parsing.

9. Create a Single Page application allowing to search for a movie and displaying the trailer, poster for various movies.

   a. Create an admin login to upload the trailer, poster, keyword and details of the movie.

   b. Use Bootstrap and JQuery for designing the User Interface.

   c. Form Submission should be handled through Ajax.

10. Using PHP and MySQL, develop a program to accept book information viz. 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.

11. Develop a Social Media Web Application using HTML5, CSS3, JQuery, AJAX & PHP.