**Mukesh Patel School of Technology Management & Engineering**

**Computer Engineering Department**

Program: MCA SEM I, A.Y.24-25

**Course:**

**Web Technologies**

LAB Manual

PART A

(PART A : TO BE REFFERED BY STUDENTS)

**Program 1- Week 1 and Week 2**

**PART-A**

**A.1 Aim:**

Create a static web site using HTML that has

1. Home Page

2. Registration page

3. About us Page and Timetable

**A.2 Prerequisite:**

There are no prerequisites as such to learn and implement HTML.

**A.3 Outcome:**

After successful completion of this experiment students will be able to

1. Understand the basic Technique in building a static web application using HTML

2. Implement basic tags of HTML

3. Understand usage of basic editor like Sublime Text 2 or 3

**A.4 Theory:**

A website is a collection of web pages. A web page holds some useful content along with images, videos, audio, animations, links to other pages and so on. These web pages are created with HTML. When executed, web pages open in browser and browser interprets HTML code and displays information.

HTML stands for Hyper Text Markup Language. It is a major language of the World Wide Web. It is simply a collection of **tags < >** that indicate the structure and format of a web document. Tags have **attributes**.

Every Web page when designed with HTML starts with <html> tag.

* This is a basic structure of simple web page. It prints My name is Yourname in browser when executed

<HTML>

<TITLE> This is the Title of my first page

</TITLE>

<BODY>

Hello Browser <BR>

<B> My Name is

<I> Yourname

</I>

</B>

</BODY>

</HTML>

* HTML has many tags like
  + <a href> - To create hyperlink
  + <img>- To embed images
  + <p> - To create paragraph
  + <table><tr><td><th>- To create table and put data in it
  + <form> - To create a form that has text fields, radio buttons, checkboxes…..
  + <Font><b><i>- To create specific font
  + **Many text formatting tags <heading tags><align tags>**
  + **<Border>- to specify border type, size….**

In this program, we will create a minimum of 3 web pages using HTML. **Some mandatory tags and attributes to be implemented are**

1. Home Page: html, title, body, paragraph, heading- h1 to h6 tags, formatting tags- strong,bold, italic, images- img tag, Links- anchor tag, active link, visited and unvisited, Lists- ordered and unordered, Frames- iframe tag, Tables- table, tr, td, thead, tbody, rowspan, colspan

2. Registration Forms- form, input, text field, password, email, checkboxes, radio button, dropdown using select and option, text area, range, progress bar.

3. HTML5- elements- header, footer, section, article, aside.

**Note: It is left to the discretion of students to decide the topic to make webpages on. Also students are given freedom to learn more tags and implement it much better to improve UI of the web page. CSS is not required for this program.**

**PART B**

**(PART B: TO BE COMPLETED BY STUDENTS)**

**(Students must submit the soft copy as per following segments within two hours of the**

**practical. The soft copy must be uploaded on the Blackboard or emailed to the concerned**

**lab in charge faculties at the end of the practical in case the there is no Black board access**

**available)**

**B.1 Software Code written by student:**

**(Students must paste the code here along with screenshots of the webpages designed.)**

**B.2. Conclusion and Learning.**

**(Students will explain in few sentences the learning from this program).**