

# SRS Document

## CS 258

Group website development

Team-

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# **Purpose**

To develop a fully functional and user interactive online personal website for Dr Rupesh S Dewan(MEMS Dept.) as CS 258 Lab project.

## **Scope**

- ✓ To create a responsive website with multiple device support.
- ✓ To provide Content management system on low level.
- ✓ To provide form validation on website for the user only.
- ✓ Provide a good and easily interactable GUI.

## **1.1 Definitions, Acronyms and Abbreviation**

**Admin** – Administrator.

**PM** – Project Manager.

**HTML** – Hyper Text Markup Language.

**HTTP** – Hypertext Transfer Protocol.

**ES6** – Javascript Lang.

**BS4**- Bootstrap 4(Front end lib.)

**CSS**-Cascading Style sheet.

## **1.2 References**

W3S, MDN ,Stack Overflow, r/webDev.

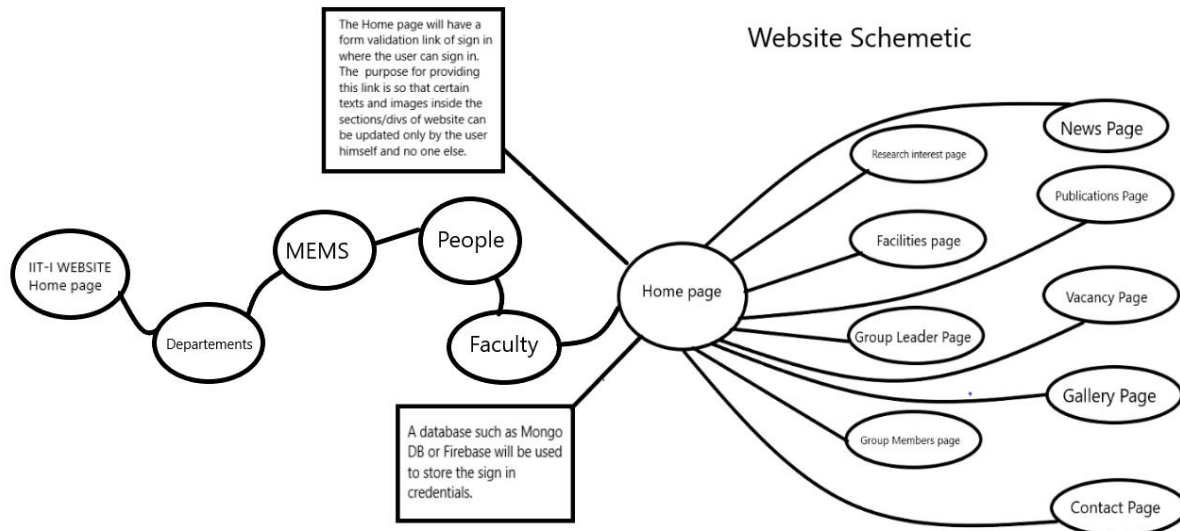
## **1.3 Overview**

This project aims to build a personal website having interactable GUI. The website will have suitable elements such as nav bars, a body section , footer section having multiple sections/div which will hold all info required by the user. Suitable links will be provided so as to direct to required webpages. Form

validation will also be provided so the user can login and update the text and images inside certain sections for future maintainability purposes.

## 2. Overall Description

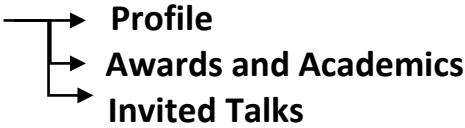


### 2.1 Website Schematic



# **DESCRIPTION OF WEBPAGES:**

**Note: Certain elements like text inside <p> tags inside certain pages will be updatable. A very low level of content management system will be made available.**

**At the top of all the webpages, there will be a fixed navigation bar with list items and under some list items there will be a drop down menu where some sub-links will be present as shown in the following manner:**

- 1. Home**
- 2. Research Interests**
- 3. Facilities**
- 4. Group Leader** 
  - Profile**
  - Awards and Academics**
  - Invited Talks**
- 5. Group Members** 
  - Current Members**
  - Alumni**
- 6. Publications** 
  - Latest Research**
  - Journals**
  - Book and Book Chapters**
  - Group Activities**
- 7. Vacancy**
- 8. Gallery**
- 9. Contact**

## **Detailed Introduction to all webpages**

### **1. Main Homepage-**

The top of the body will contain a carousal containing different pictures .

The remaining bottom portion will contain the Lab news.

Some links may be provided at the bottom.

### **2. Research Interest Page –**

The top of the page will contain a carousal containing different pictures related to the research department.

The remaining bottom of the page will contain specific topics and information about those topics( specifically in <p> tags). These topics will be all about different research fields related to the branch in which the individual owner of the website works in.

Specific <h1> ,<h2> and <h3> tags will be provided for main headings.

### **3. Facilities Page-**

**This page contains different cards inside <divs> of bootstrap 4 with low implementation JQuery.**

**These cards will be used to store images of same width and height . The images will portray the facilities inside the lab and also those of which represent the subject branch.**

**The owner will be able to add and delete the pictures as and when required but probably not in a random manner, but in sequential manner.**

#### **4.a Group Leader – Profile**

**This page will contain information about the owner itself. Info about Academic achievement ,present position and educational achievements etc.**

#### **4.b Group Leader – Awards and Academics**

**This page will contain information about the Awards, memberships ,Academic and corporate Activities of the website owner.**

#### **4.c Group Leader – Invited Talks**

**This page is all about the research talks held by the user at different events in the past or the ones that are going to be held in the future.**

### **5.a Group Members – Current Members**

**This page contains different cards inside <divs> of bootstrap 4 with low implementation JQuery.**

**These cards will be used to store images of same width and height .The images will those of all the Research Scholars, Internship Students, Project Fellow, Visiting Faculty, Master Students, Bachelor Students.**

**The owner will be able to add and delete the pictures as and when required but probably not in a random manner, but in sequential manner.**

### **5.b Group Members – Alumni**

**This page will be similar to that of Current Members but will contain the images of all the alumni students.**

### **6.a Publications – Latest Research**

**The top of the page will contain few images related to the latest research in which the faculty is employed in.**

**The remaining bottom of the page will be all about the affiliations and authors of the research papers, the research of whom is important in the latest research of the user itself.**



#### **6.b Publications – Journals**

The page will contain multiple list items where each of the list items will be all about the different journals of which the faculty individual is involved in. Links to download the manuscripts will also be provided.

#### **6.c Publications – Book and Book Chapters**

This page will be similar to that of journals excepts the name of books which the faculty individual has written will be listed.

#### **6.d Publications – Group Activities**

This page will be all about the group activities the the user is involved in with his/her research group. All those research projects and research activities will be listed below.

#### **7. Vacancy-**

The page will list all the vacancy positions available in the office Suitable Links will be provided for filling up the form.

#### **8. Gallery-**

Multiple pictures of the faculty and his/her research group will be made available here. Pictures that belong to multiple genre

can also be put here.

## 9. Contacts-

The contact info of the faculty (office phone no, lab details etc) will be made available here using suitable HTML elements such as `<section>` or `<div>`.

A form will also be made using the `<form>` which can be used if any visitor on the website has some query. This will be placed inside a div.

## 2.2 Web Architecture Diagram



