SVKM's NMIMS
Mukesh Patel School of Technology Management & Engineering (Mumbai Campus)
Computer Engineering Department (B.Tech Integrated Sem V)
Fundamentals of Website Designing
Lab Manual

PART A

(Part A: TO BE REFFERED BY STUDENTS)

A.1 AIM:

Develop a web based Mini Project

A.2 Pre requisite:

 Basic Knowledge of HTML, CSS, JavaScript, Server Side Scripting, JQuery, Bootstrap, Angular-JS, PHP, Browser.

A.3 Outcome:

After successful completion of this experiment students will be able to:

1. Design a website using various web programming languages learnt.

A.4 Theory:

A mini project is desirable to be completed by a group of two or three students that cover following tools.
 HTML
 DHTML
 CSS
 Java Script
 PHP
Bootstrap
JQuery
Angular JS

A.5 Procedure/Task:

1. Develop a website using Web technologies learnt.

2. The site should be attractive & interactive.

3. Prepare the document. Save and close the file and name it as RollNo._MiniProject.

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)

Roll No. :C027	Name:Arhaan Bhiwandkar
Class :B	Batch :B1
Date of Experiment :	Date/Time of Submission :
Grade :	

B.1 Project Details

(Detailed description of project. It should include answers to following questions)

1) Motivation to take the proposed project

2) Working of project

3) Advantages & disadvantages of project

4) Technologies used for developing the project

B.2 Output

(Take screen shots of the output at run time and paste it here)

B.3 Conclusion:

(Students must write the conclusion as per the attainment of individual outcome listed above)

B.4 Observations and Learning:

(Students must write their observations and learnings as per the attainment of individual outcome listed above)

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1] Motivation for taking this project:

BroTeen is a website designed to help users understand their current physical condition, offering tailored advice for a healthier lifestyle. The name combines "Brother" and "Protein," emphasizing the camaraderie and importance of protein in fitness. The platform determines if users are fit, overweight, or underweight and suggests customized diet plans and exercise routines. It calculates the ideal daily calorie intake for maintaining current weight and muscle mass. Additionally, BroTeen provides a food calorie and protein calculator, allowing users to track their nutrition easily. The project caters to fitness enthusiasts seeking personalized guidance for achieving their goals. I have selected this topic because I can see myself and few of my friends who are interested in fitness and bodybuilding using this app to get suitable diet plans according to their bodies.

2] Working of project:

1. User will enter details such as height, weight, age, gender and activity level.
2. BMI will be calculated with the help of this information.
3. We also calculate the BMR (Basal Metabolic Rate), which is the amount of energy or calories your body needs to maintain basic functions while at rest.
4. With respect to BMI users' condition will be displayed (for eg: fit, overweight, underweight).
5. If the user is underweight, a diet for increasing overall weight and muscle mass will be suggested.
6. If the user is fit, option for bulking or cutting will be presented and diet plans will be suggested according to user's choice.
7. If the user is overweight or obese, a diet plan for cutting weight and fat will be suggested.
8. Exercises will also be suggested for building muscle mass or losing weight quickly and efficiently according to user's choice.

3] Advantages and Disadvantages:

A] Advantages:

● User will get to know his/her physical health condition (in terms of weight) easily and quickly.
● Maintenance calories for maintaining their current health condition will also be displayed.
● Personalized diet plans will be suggested according to users' conditions.
● Indian diet plans are available for better availability.
● Exercises for muscle building are also suggested.

B] Disadvantages:

● The only disadvantage is the website is online we can't put in the efforts and dedication on behalf of the user so even though we are suggesting the best possible diet plans and exercises, user has to work hard and stay disciplined for the end goal.

4] Technologies used up to date:

- Vs code
- HTML
- CSS
- Javascript
- Figma
- jQuery.
- Application Programming Interface(API).
- Google Fonts
- Code Pen