**DEPARTMENT OF INTELLIGENT COMPUTING AND BUSINESS SYSTEMS**

**ST JOSEPH ENGINEERING COLLEGE, Mangaluru**

**2022-2023**



**Synopsis and Design Phase Report**

On

**SmartStitch: Tailor-Made Perfection**

*Submitted by*

**Akash Acharya 4SO21CB003**

**Chirag 4SO21CB014**

**Project Title: SmartStitch: Tailor-Made Perfection**

**Problem Statement:**

"Design and develop a user-friendly and visually appealing website for a local tailoring shop, aiming to enhance its online presence, attract new customers, and provide an intuitive platform for customers to explore the shop's services, portfolio of work, pricing, and contact information. The website should effectively showcase the shop's expertise, offer customization options, and facilitate appointment scheduling, while ensuring seamless navigation and responsive design across various devices.

**Project Description:**

1. **Home Page:**
   * A visually striking homepage featuring high-quality images of elegant tailoring work, showcasing the shop's skills and attention to detail.
   * A welcoming message or tagline that captures the essence of the tailoring shop's unique offerings and craftsmanship.
   * Clear and prominent navigation menu for easy access to different sections of the website.
2. **About Us:**
   * An engaging 'About Us' section that narrates the history, values, and expertise of the tailoring shop.
   * Details about the shop's experienced tailors, their backgrounds, and their commitment to creating personalized and exquisite pieces.
3. **Services:**
   * A comprehensive overview of the various tailoring services offered, including bespoke tailoring, alterations, repairs, and more.
   * Subsections detailing each service, accompanied by descriptions, images, and possibly before-and-after visuals to showcase the shop's transformational skills.
4. **Portfolio:**
   * An extensive gallery of images showcasing a diverse range of tailor-made garments, such as suits, dresses, shirts, and other customized clothing.
   * The ability to click on each image for an enlarged view and a brief description of the design, fabric, and tailoring techniques employed.
5. **Customization Tool:**
   * An interactive tool that enables customers to customize their clothing orders. This could include options for selecting fabrics, styles, colors, and even inputting measurements.
   * Real-time visual representation of how selected options will affect the final design.
   * An option to save and share the customized design for reference or further discussions.
6. **Pricing:**
   * Transparent pricing information for each service, presented in a clear and understandable format.
   * A breakdown of costs for different types of tailoring, alterations, and any additional services.
7. **Contact Information:**
   * Contact details, including a phone number, email address, and physical address of the tailoring shop.
   * An integrated map displaying the shop's location for easy navigation.
8. **Appointment Booking:**
   * An intuitive online appointment booking system that allows clients to select a preferred date and time for consultations or fittings.
   * Automated confirmation emails with appointment details and a reminder closer to the scheduled date.
9. **Responsive Design:**
   * Ensuring that the website is fully responsive, adapting seamlessly to different screen sizes and devices, including desktops, tablets, and smartphones.

**Software Required:**

1. **Text Editor / Integrated Development Environment (IDE):**

Visual Studio Code: A versatile and widely used code editor that offers advanced features such as syntax highlighting, code completion, extensions, and integrated version control.

1. **Graphic Design and Prototyping:**

Adobe Photoshop: Adobe Photoshop is a professional image editing software. Use this tool to create and edit graphics, images, and promotional materials.

1. **Front-End Development:**
   * HTML/CSS Frameworks (e.g., Bootstrap, Foundation): These frameworks provide pre-designed components and a responsive grid system, streamlining front-end development and ensuring consistent design across devices.
   * JavaScript Frameworks (e.g., React, Angular, Vue.js): Use these frameworks to create dynamic and interactive elements on the website, enhancing user experience.
2. **Back-End Development:**

Node.js: A server-side JavaScript runtime that allows you to build scalable and efficient network applications. It's ideal for handling server-side logic.

1. **Live Server:**

Live Server" is a popular extension for Visual Studio Code, which is used for web development. It's not a standalone software but rather an add-on feature that enhances your development workflow.

1. **XAAMP:**

XAMPP can be used to create a controlled environment on your computer for developing and testing the website. You can build the site's functionality using PHP and MySQL, while also working on the front-end using HTML, CSS, and JavaScript. XAMPP's tools help you debug and troubleshoot issues locally before deploying the finished website to a live server. This approach offers a secure and efficient way to create and refine your website before making it accessible to the public.