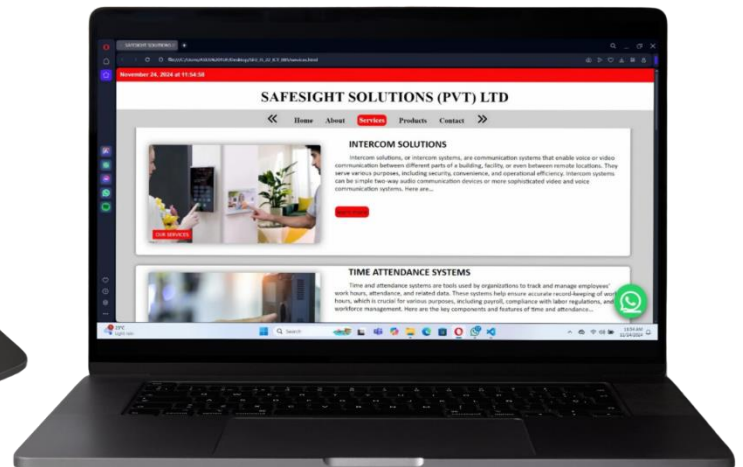# ASSIGNMENT -1

# DESIGN AND PROTOTYPE A BUSINESS WEBSITE

## (HTML, CSS, JAVASCRIPT)



**Department of information and communications technology**

**Faculty of technology**

**South Eastern University Of Sri Lanka**

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# Description of the chosen business

> The CCTV camera business presents a very unique combination of strong market demand, technological advancement opportunities, and recurring revenue opportunities.
> It is an opportunity to enter a growing, dynamic industry while making a real impact on security and safety. Whether drawn by the potential profitability, a chance to innovate, or to make communities safer, a CCTV camera business can be a rewarding and sustainable venture.

# Services

> **CCTV INSTALLATION-**
> The complete suite of services lets our customers receive ongoing support, expertise, and peace of mind to complement high-quality products. With a solid service component-from initial consultations and installations to maintenance, upgrades, and monitoring-customer loyalty is achieved, along with creating recurring business and cementing our reputation as a trusted security solutions provider.

> **TIME ATTENDANCE SYSTEMS -**
> Time and attendance systems are tools used by organizations to track and manage employees' work hours, attendance, and related data. These systems help ensure accurate record-keeping of work hours, which is crucial for various purposes, including payroll, compliance with labor regulations, and workforce management.

> **DOOR ACCESS CONTROL-**
> Door access control is a security system that regulates and restricts entry to a specific area or building. It provides a means to grant or deny access to individuals, ensuring that only authorized personnel can enter a secured location. Door access control systems are widely used in various environments, including residential, commercial, and industrial settings

> **SECURITY GUARD TOUR SYSTEM-**
> A security guard tour system is a technology-driven solution used by security personnel to monitor and manage their patrols, rounds, and security activities in various facilities, such as industrial complexes, office buildings, hospitals, retail stores, educational institutions, and more

# Explanation of Design Choice

> ## Color Scheme

**black Color -** Black can be used for headers or text to create contrast in order to give a sleek and serious touch to the design.

**Gray Color -** Gray is neutral and modern, suggesting sophistication and stability. It goes well with white and stands for technology and precision.

**White Color -** White or off-white is used in background areas so that it can keep the design clean and easy to read. It also offers a good contrast with darker shades.

> ## Layout

**Header -** Include a fixed easy-to-navigate header featuring the company's logo, And Date And time key navigation links and contact information

**Product Sections -** After the hero section, have well-organized product listings with clear images, descriptions, and such as "View Details" or "Buy Now.".

**Footer -** A simple footer with vital links such as Terms and Conditions, Mobile Number , Address, Email Address, website Link ,Social Media Icons, Contact Form, and Newsletter sign-up.

**Navigation bar -** navigation bar as a clickable link that directs users back to the homepage. This helps users easily return to the main page from anywhere on the site.

homepage link in the navigation bar is a design convention that improves user experience, supports branding, and aids in site navigation.

On mobile or responsive websites, having the website menu the navigation bar makes it easier for users to identify the site, even when the layout changes. This consistency helps users navigate the site smoothly across different devices.

**Contact form -**

Many people prefer filling out a simple form rather than calling or emailing. It's quicker and more convenient, especially when they have specific questions about products or services.

- ➢ **Images**

high-resolution images of professional CCTV cameras, their installations, or use cases; for example, footage of security cameras monitoring properties. these reflect the quality and dependability of the products.

- ➢ **Mobile Responsive**

As most of the users will probably enter the website through mobile devices, a proper adaptation of the design to smaller screens is required. The buttons, text, and images should scale properly, and the layout should be user-friendly on mobile devices.

## Interactive features implemented with JavaScript

- ➢ **Date And Time Display**

JavaScript dynamically shows the current date and time on the website. In this respect, it will make it easier for visitors to understand what time it was when they accessed our website. It's a little touch but really useful to keep them in contact with the real-time situation while they navigate our site.

- ➢ **Alert Messages**

To improve user interaction, we've implemented alert messages that provide important notifications or updates to users. For example, when someone submits a form, or if there's an issue, an alert will pop up, making sure the user is aware of any required actions or errors, such as missing information. These messages are designed to be clear and helpful, guiding the user to complete their task successfully.

➤ **Form Validation**

To improve user interaction, we've implemented alert messages that provide important notifications or updates to users. For example, when someone submits a form, or if there's an issue, an alert will pop up, making sure the user is aware of any required actions or errors, such as missing information. These messages are designed to be clear and helpful, guiding the user to complete their task successfully.