

## **SUPPLY CHAIN TRACKING AND DOCUMENT MANAGEMENT SYSTEM WITH OUTDATED DOCUMENT NOTIFICATION**

### *Specific Objectives:*

1. To design a user-friendly interface system that can easily be used and learned by the users.
2. To develop a Web-based Supply Chain Tracking and Document Management System with the following modules or features:
  - A. inventory management module;
  - B. order processing module;
  - C. supplier module;
  - D. resource monitoring module;
  - E. document storage module;
  - F. sales report visualization; and
  - G. outdated document notification feature

### **FEATURES: (MOSTLY Create, Read, Update and Delete Function)**

1. Outdated Document Notification - identifying out-of-date papers wherein documents will be saved once the user inputs the necessary details and uploads the required file.

The system will notify the user based on the following client's business policies:

\* Legal documents will be considered outdated if they are within one (1) year of their expiration date, and the system will notify the user to ensure these documents remain contractual and regulatory compliant. This type of document will be kept for five (5) years and will be deleted afterward.

\* For contracts and agreements, the duration for which these documents are considered current depends on the terms set within each contract or agreement. Generally, these documents will be notified three (3) months before their renewal dates

2. Role-based access control - to guarantee that sensitive data can only be viewed, updated, or deleted by authorized individuals.

The system is believed to be divided into three:

- a. System Admin
- b. Data Admin
- c. Sales Admin

3. Search System –  
The system allows for filtering, sorting, and searching through various parameters, enabling users to find relevant information based on keywords, categories, and specific attributes.
4. Real-time Monitoring Capabilities - allowing users to monitor the movement of goods across the supply chain and optimize for efficiency and cost-effectiveness.
5. Document Management System:  
It will offer a single site for storing and handling supply chain documents such as shipment manifests, billing information, purchase orders, and legal documents. The documents will be properly arranged, identified, and easily accessible for assessment and monitoring

Added Features by Panelist:

- a. Generate Report – they can adjust the details they want to generate.  
Specifically, this can be in billing, expenses, and sales and can adjust the date range that they need.

LANGUAGES and TECHNOLOGY USED:

- a. HTML, CSS, JavaScript, React, Node JS
- b. Elasticsearch
- c. Cloud Storage and Database using Firebase