**Proposal Form**

**Section:** SBIT-1C **Group No:** 10

| **Proposed Project:**  **BusEase**: A Bus Transportation Management System for Nova Stop Bus Terminal |
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| **Project Leader:** Dizon, Albert Miguel B. |
| Members: |
| **Name (LN, FN, MI)** |
| 1. Labine, Gretchen B. |
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**Description of the Proposed System/Software**

A Bus Transportation Management System is a software solution designed to streamline and automate the operations of a bus company/stations. Its primary purpose is to manage the company's day-to-day operations, including scheduling, route planning, vehicle maintenance, and driver management. The system can also provide real-time data on the location of each bus, helping the company to improve its service and respond quickly to any issues that arise. The ultimate goal of the system is to improve the efficiency of the bus company/stations and provide a better experience for passengers.

**Objectives:**

***General Objective:***

The General objective of this system is to provide seamless and updated information for passengers and bus terminal operators and ensure a smooth transport experience. The goal is to enhance overall customer satisfaction, and the safety of the passengers and increase the operational efficiency of the bus terminal.

***Specific Objectives:***

1. To implement automated scheduling, dispatch, and route planning.
2. To monitor driver performance in real time.
3. To improve the accuracy and speed of reporting and data analysis.
4. To provide real-time passenger information and alerts.

**Scope:**

The proposed bus management system aims to address the operational and administrative challenges faced by the Nova Stop Bus Terminal. The scope of the project includes the implementation of the following:

* Develop a reporting system to generate customized reports on fleet performance and driver behavior to implement data analysis tools to identify trends, patterns, and areas for improvement.
* Develop a passenger information system to provide real-time updates on vehicle location, estimated arrival time, and delays.
* Develop a transport management system that organizes vehicle plate number, model, capacity, purchased date, and insurance information.

**Delimitations:**

* The proposed system is limited to the Nova Stop Bus Terminal and its accompanying routes.
* It will not cover ticketing or fare collection.
* The system will not include the integration of the GPS routing system.
* The system will also not include integration with other transportation systems such as trains or taxis.

**Remarks:**

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*Name of Professor*

**Mrs. Paula Joy Dela Cruz**