

Name: Amandip Padda

SID: 200455829

Professor: Karim Naqvi

Class: ENEL 452

Milestone Description

Created Date: 09-11-2023

Due Date: 16-11-2023

Mile Stone Description for Elevator Control

Project Update: Elevator Control System

Completed Milestones:

- Finalized the project scope to develop an elevator control system.
- Conducted observations of an operational elevator, capturing essential behavioral data.

Current Initiatives:

- Hardware components, including buttons and wiring, have been ordered and are on the way.
- Real-Time Operating System (RTOS) configuration is actively underway.

Milestone Objectives (Deadline: November 16, 2023):

- Complete the setup and configuration of the development environment.
- Finalize the wiring for the elevator simulation, ensuring setups for both interior and exterior controls.
- Establish the Command Line Interface (CLI) for efficient input and output display.
- Implement the USART interrupt for CLI interaction.
- Configure the external interrupt mechanism for the emergency stop button.

Future Developments:

- Develop and launch a minimum of two concurrent threads for task management.
- Integrate system failure response protocol.

Notice:

The outlined schedule represents an ideal progression trajectory. The completion of these objectives, while anticipated, is subject to modification based on external circumstances.