CS 4397: Embedded Computer Systems

Fall 2021. Assignment 2: Due October 28, 2021

1. **Goal of the project:**

The goal of this assignment is to develop a program for controlling the train in Lab ECSS 3.217. Specifically, the control system should implement a simple user interface that allows the user to **Ring** the bell, **start** the train, **accelerate** the train, **move** the train, **decelerate** the train, and **stop** the train.

1. **Development environment:**

You will develop your program and debug it using the computer in the lab. After you finish the development, you will run your program to test it using the train system in the lab.

1. **Documents to be submitted**

Please submit (a) your program and (b) a brief description of the procedure you used to develop the program. Explain clearly how this procedure differs from the development of a general purpose application.