**(8223) INTRODUCTION TO COMPUTER ENGINEERING**

**ASSIGNMENT 1**

**SHOMIT BASU**

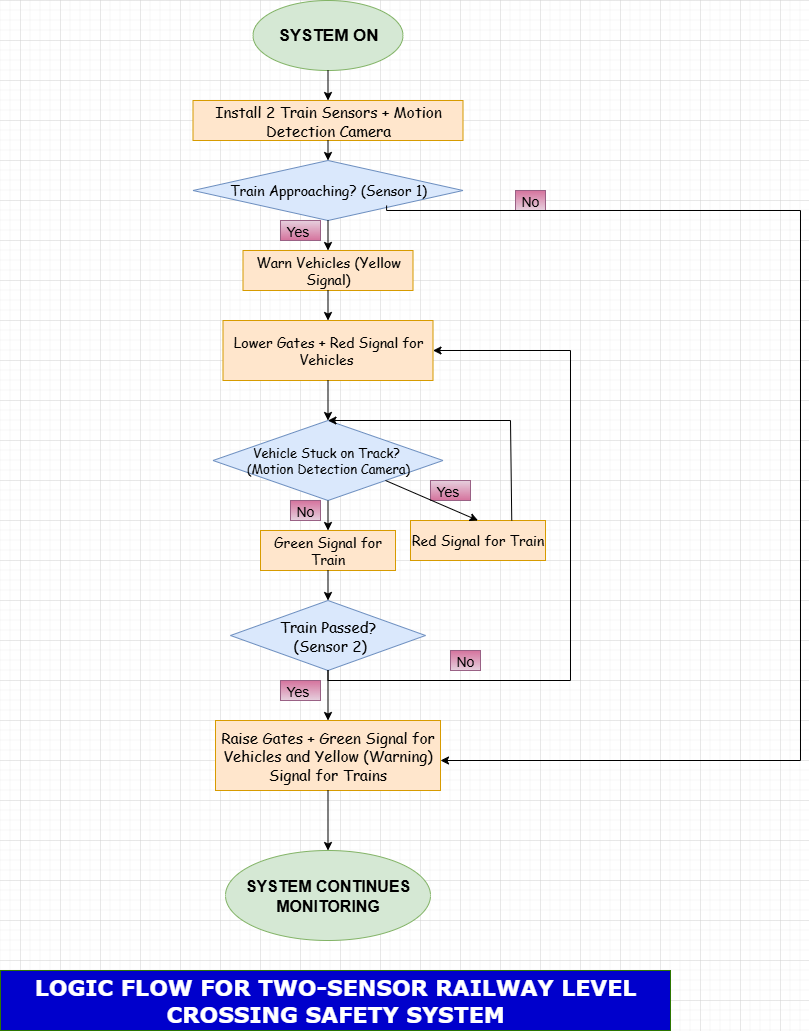
**STUDENT ID: 3294488**

**STEP 6:**

**Flowchart – Operation of Railway Crossing Gate Control (Solution A)**

The following flowchart illustrates the operational logic of Solution A – The Two-Sensor Railway Level Crossing Safety System. It shows the sequence of actions and decision points from the moment the system is active, through detecting an approaching train, warning vehicles, lowering the gates, and finally raising the gates once the train has safely passed. Key checks are represented by decision diamonds, while system actions are represented by process rectangles. This visual representation complements the plain-English sequence of tasks by providing a clear, step-by-step overview of the control logic.

The flowchart developed through Draw.io has been exported as a PNG File as instructed in the assignment rubric and has been pasted in the following page of this file.

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