

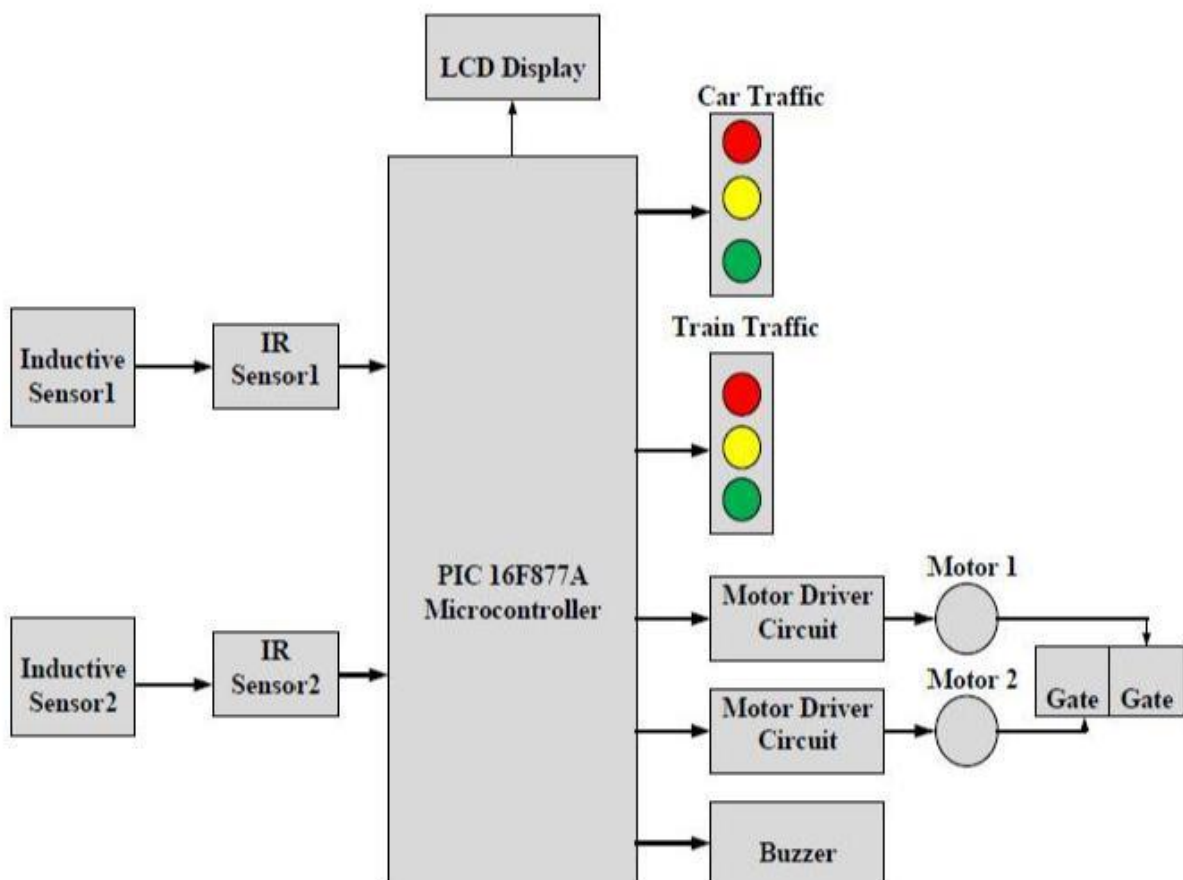
Project Design phase-II

Data Flow Diagram & User stories

Date	25 October 2022
Team ID	PNT2022TMID47359
Project Name	Smart Solution for Railways Based on IoT
Maximum marks	4 marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



Uses Stories

Use the below template to list all user stories for the product

User Type	Functional requirement(Epic)	User Story number	User story/Task	Acceptance Criteria	Priority	R
Arduino	System required to have 256MB RAM on top of operating system.	USN1	ESTx,STM32& other microcontrollers	Select the entry in the tools.Board menu that corresponding to arduino UNO Wifi	High	Sp
LED	LED based luminare is required for providing illumination	USN2	Free RTOS for blink LED in arduino UNO.	Rated input power ,rated luminous flex Led luminary efficiency	Medium	Sp
LCD	Operating temperature & storage temperature	USN3	16x2 LCD pin out can help to display characters interfacing.	Contrast ,operating system,operating Temperature & resolution	High	Sp
GPS	Smart ,flexible,easy to use indoor navigation system	USN4	Location based task remainder system is developed.	Funding & budget space time based on data received from multiple GPS Satellites	High	Sp
IR sensor	Infrared source ,transmission medium,optical component	USN5	Measure the heat of an object as well as detect the motion	Have an temperature greater than absolute zero kelvin,radiation sensitive opto electronic.	High	Sp
GSM	Necessary Base station and trunking equipment	USN6	Make,receive ,sender,delete voice calls,read and search contact	Sensitivity combined with quick respond time digital cellular telecommunications system.	Medium	Sp

