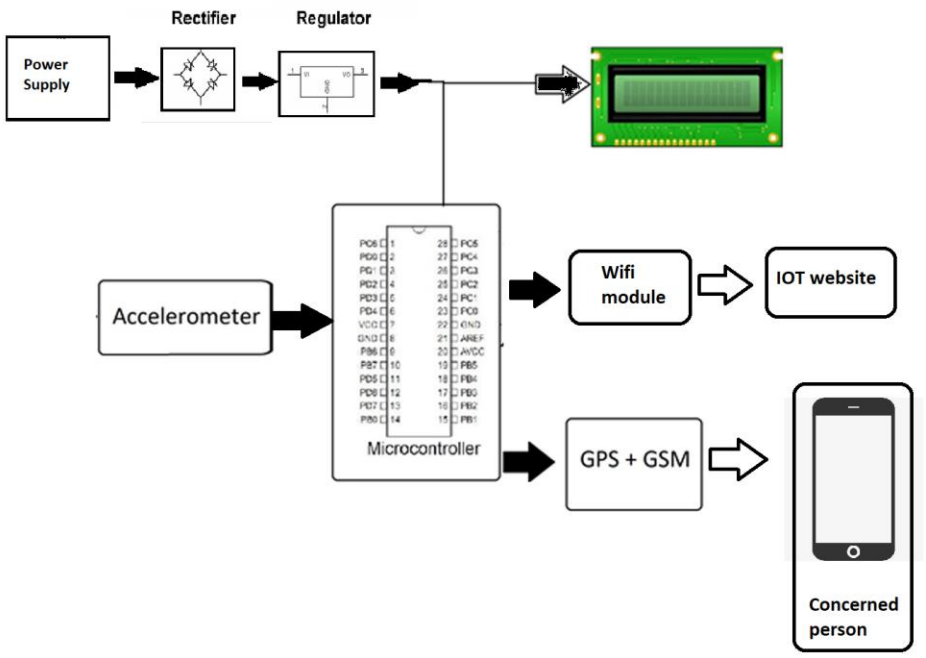
PROJECT DESIGN PHASE-II

DATA FLOW DIAGRAM & USER STORIES

Date	25 October 2022
Team ID	PNT2022TM147389
Project Name	Signs With Smart Connectivity for Better Road Safety
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	Priorit
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
Accelerometer	The accelerometer is the device capable of detecting changes in motion in the form of acceleration.	USN2	ADXL320, ADXL321, ADXL322, ADXL330	The ADXL3xx outputs the acceleration on each axis as an analog voltage between 0 and 5 volts.	High
LCD	Operating temperature & storage temperature	USN3	16x2 LCD pin out can help to display characters interfacing.	Contrast ,operating system,operating Temperature & resolution	High
GPS	To find the location of the accident	USN4	Location based task remainder system is developed.	Each route/pathway must specify traffic or slow road conditions.	High
Rectifier	converts an oscillating two-directional alternating current (AC) into a single-directional direct current (DC	USN5	rectifiers find uses inside the power supplies of virtually all electronic equipment.	The most important rectifier parameters are the forward voltage drop *(V_f)* and the reverse recovery time *(t_{rr})*.	High
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.	Mediur