PRIYADARSHINI ENGINEERING COLLEGE
VANIYAMBADI-TIRUPATTUR

COLLEGE CODE:5119
COURSE NAME:IBM
GROUP NUMBER:2
PROJECT TITLE: TRAFFIC MANAGEMENT
PROJECT SUBMITTED TO:SKILLUP
YEAR:3
DEPARTMENT:ECE
SEMESTER:5
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TRAFFIC MANAGEMENT

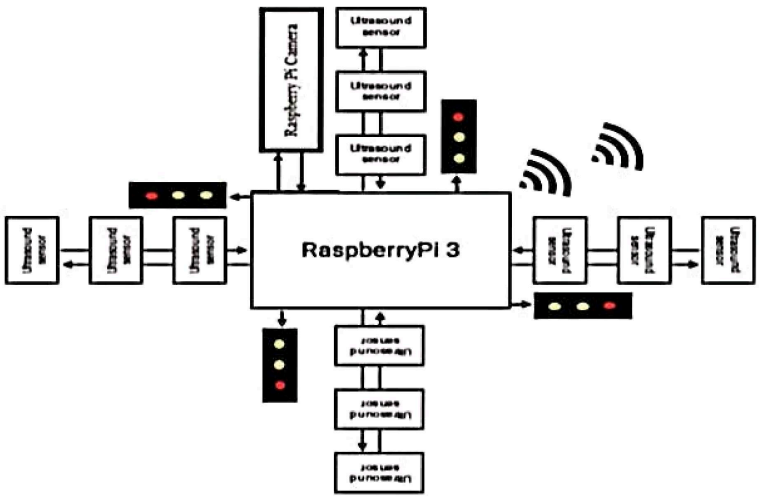
PHASE 2

INNOVATION:

Abstract:

This paper aims to overcome traffic congestion caused by ineffective traffic management systems that are out dated and work on a predefined countdown. In addition to that, the data that is collected is send to the cloud, and can used to monitor traffic flow at periodic intervals.

BLOCK DIAGRAM:



DESCRIPTION:

The main components of traffic management system as shown in block diagram include a camera, yellow, green and red indicators, the IOT platform for analytics – thing speak and the ultrasonic sensor. The ultrasonic sensors and the camera serve as input devices , the indicators as output devices, and Raspberry Pi as the edge device that is used to communicate with the cloud.