



# 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

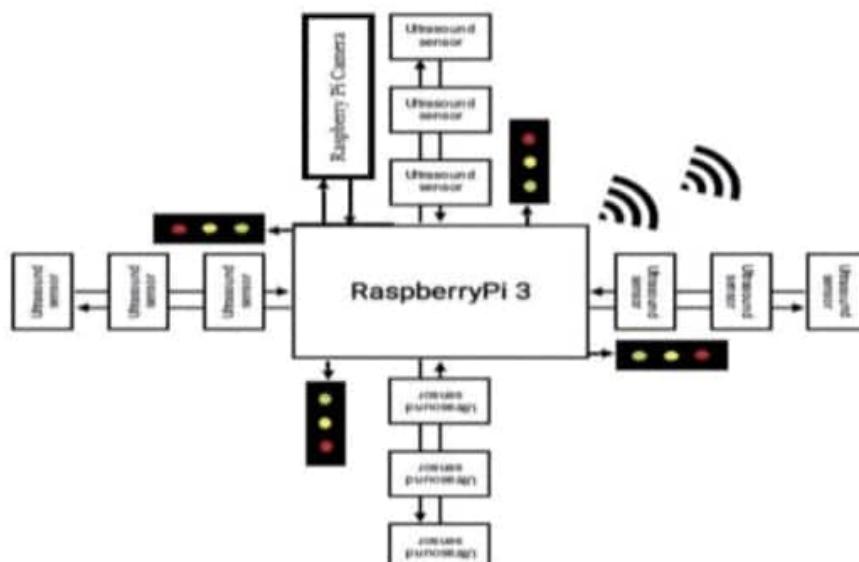
## PHASE 2

### 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.**