## ABSTRACT

# SIGNS WITH SMART CONNECTIVITY FOR BETTER ROAD SAFETY

## TEAM NUMBER:4

**TEAM MEMBER**

| S.No | Name | Register No. |
|---|---|---|
| **1** | Aneesh Abdul Rahman | 19104017 |
| **2** | Akash Kumar | 19104011 |
| **3** | Charugnethra M | 19104039 |
| **4** | Dhesika S | 19104047 |

## PROBLEM STATEMENT:

The National Highway Traffic Safety Administration has stated that hundreds of lives are lost annually to wrong-way crashes. Thousands of people sustain injuries in such accidents. Based on research and field tests performed by thePublic Welfare Development(PWD), certain kinds of intelligent road indicators may effectively catch the attention of people driving the wrong way on a roadway. The indicators that were tested included blank indicators that light up when they detect the presence of wrong-way vehicles. Another type of sign was designed with lights that light up in an asynchronous manner. Once a driver is alerted by the lights and can see the “Wrong Way” lettering, that person can turn around and proceed in the correct direction. This could save numerous lives and prevent countless injuries.

So in this project we will replace the static signboards with smart connected sign boards. Also based on the traffic and fatal situations the diversion signs are displayed. Guide, Warning and Service signs are also displayed accordingly. Different modes of operations can be selected and performed in the smart traffic sign board.

## OBJECTIVES

By the end of this project we will :

- Connecting IoT devices to the Watson IoT platform and exchanging the data and to display values.
- Getting weather data from Open Weather Map API Service
- Connecting IoT devices to the Watson IoT platform and exchanging the data and to display values.

## SOFTWARE REQUIRED:

- Python IDLE

**PROPOSED MODEL:**