

# IDEATION

Define your problem statement

**SIGNS WITH SMART  
CONNECTIVITY FOR  
BETTER ROAD  
SAFETY**

## BRAINSTORMING

DURING  
EMERGENCY,  
CONTROL SIGNS  
BASED ON IOT  
GIVE PRIORITY TO  
AMBULANCE,  
POLICE, AND FIRE  
SERVICES

THESE SIGNS CAN  
ALSO BE USED  
FOR SMART  
PEDESTRIAN  
CROSSING  
MANAGEMENT

WHEN THERE  
IS TRAFFIC,  
THESE SIGNS  
HELP IN  
POINTING AN  
ALTERNATIVE  
PATH

WHEN PEOPLE  
TRY TO VIOLATE  
TRAFFIC RULES  
THEY ARE  
CAUGHT AND  
FINED

THESE SIGNS CAN  
BE USED AS SPEED  
WARNING SYSTEMS

AS THERE MIGHT BE  
DISTRACTIONS WHILE  
DRIVING WHICH MAY  
CAUSE ACCIDENTS,  
MOBILE USAGE IS  
MONITORED

VIDEO  
INFORMATION  
CAN BE USED  
MONITOR REAL  
TIME ACCIDENTS

MONITORING THE  
THE NUMBER OF  
PASSENGERS IN  
THE VEHICLE

GETTING  
PROPER  
UPDATES LIKE  
ACCIDENTS ON  
THE ROAD  
POTHOLES ETC

SMART CEMENT  
BASED ROADS CAN  
BE USED TO  
MONITOR. THE  
CONDITION OF THE  
ROAD

DETECTING THE  
STEADINESS OF  
THE VEHICLE TO  
AVOID DRUNK AND  
DRIVE INCIDENTS

JUNCTION  
CHANGING LANES  
ACCORDING TO  
THE DENSITY OF  
THE ROAD.

## IDEAS

Automatic updation  
of road sign on input  
from road  
conditions.

Automatic updation  
of Traffic Signals

Automatic  
updation of  
speedometer by  
sensing the  
weather condition.

### SOFTWARE SPECIFICATION:

IOT DEVICE

WEB APPLICATION  
USING NODERED

USER INTERFACE