

**PROBLEM**

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

2

## Brainstorm

Write down any ideas that come to mind that address your problem statement.

🕒 10 minutes

### TIP

You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

## Abishek S

EMERGENCY ROUTING BASED ON IOT BY CONTROL OF SIGNS AND TRAFFIC SYSTEM TO GIVE PRIORITY TO AMBULANCE, FIRE SERVICE, POLICE ETC.

INTELLIGENT TRAFFIC LIGHT COMMUNICATE WITH SENSOR OF CONNECTED CARS AND RECEIVE INFORMATION ABOUT THEIR STATUS AND WHEN WILL THE TRAFFIC SIGN CHANGES.IT ALSO IN CASE OF EMERGENCY CONNECTED CARS HAVE AUTOMATIC WARNING MECHANISM FOR EMERGENCY SERVICES.

SMART SYSTEMS CAN USE DIGITAL SENSOR TO ACQUIRE DATA PERTAINING TO LANDSLIDES, ACCIDENTS, TRAFFIC JAMS AND WEATHER CONDITIONS, ACTIVATING WARNING SYSTEM IN TIME AND ENABLING ACTIVE LED DISPLAYS ON ROADS AND HIGHWAYS.

UPDATES INFORMATION REGARDING STATE OF ROADS SUCH AS POTHOLES, ICE, CLIMATIC CHANGES AND BLACK SPOTS

## Sibichakkravarthy V S

DIGITAL SENSORS IN POLL GIVES DETAILS ABOUT SIGNS SUCH AS DIVERSIONS, CONSTRUCTION WORK, TRAFFIC AND BEST ROUTES.

SMART CEMENT BASED ROADS HELPS TO MONITOR THE STRCUTURAL STATUS OF ROAD AND BRIDGES UNDER EMERGENCY CONDITONS ALERT US

DETECTING DRINK AND DRIVE BY THE STEADINESS OF THE VEHICLE MOVEMENT

PASSENGER LIMIT MONITORING SYSTEM

## Venkateshwaran S G K

UPDATES INFORMATION REGARDING STATE OF ROADS SUCH AS POTHOLES, ICE, CLIMATIC CHANGES AND BLACK SPOTS

FOLLOWING THE LANE DISCIPLINE (KEEPING TO THE LEFT), BY DETECTING THE DIRECTION OF THE VEHICLE IF IT IS IN WRONG DIRECTIONN THEN REPORT IS SENT

VIDEO DETECTION SYSTEMS TO RELAY THE INFORMATION COLLECTED TO CENTRAL SERVER IN CONTROL ROOM WHICH LEADS TO REAL-TIME INCIDENT MANAGEMENT.

DISTRACTIONS IS THE MAJOR CAUSE FOR ROAD ACCIDENTS, SO MONITORING OF MOBILE PHONE USAGE AND REPORTING TO THE CONTROL ROOM

## Vimalraj B

GEOGRAPHY BASED SMART SPEED WARNING SYSTEM.

IF PEOPLE FAIL TO OBEY SIGN BOADRS THEY DETECTED BY THE CAMERA AND FINED

IF TRAFFIC OCCURS IN A ROAD, PREVIOUS TRAFFIC POST AUTOMATICALLY CHOOSE ALTERNATIVE PATH

IN JUNCTIONS, CHANGING SIGNALS ACCORING TO THE DENSITY OF THE VEHICLE IN THE LANE

3

### Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

🕒 20 minutes

IN JUNCTIONS,  
CHANGING  
SIGNALS  
ACCORDING TO THE  
DENSITY OF THE  
VEHICLE IN THE  
LANE

SMART  
PEDESTRAIN  
CROSSING  
CONNECTIVITY  
WITH TRAFFIC  
SIGNS

UPDATES  
INFORMATION  
REGARDING STATE  
OF ROADS SUCH AS  
POTHOLE, ICE,  
CLIMATIC CHANGES  
AND BLACK SPOTS

4

Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

🕒 20 minutes

