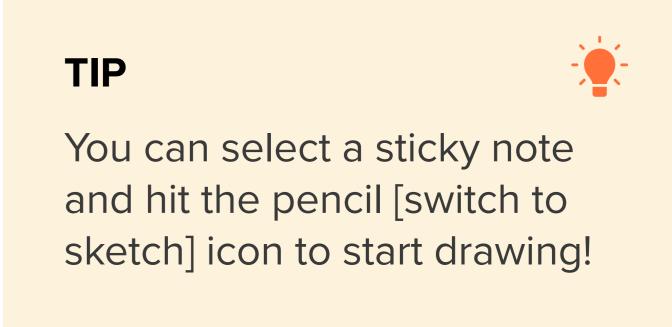


# **Brainstorm**

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

① 10 minutes



### **MERITS**

| Safe system approach                     | Reducing the accidents in terms of speed, security & stability | Detection<br>strategy<br>based on the<br>distance for<br>users |
|--|--|--|
| Serving both local and foreign users     | Eliminates<br>traffic<br>accidents                             | Observe<br>human/driver<br>activities                          |
| Shows good accuracy in vehicle detection | Improves<br>safety road<br>users                               | Early warning<br>messages will<br>be provided                  |

## **FEATURES**

| Framework<br>will mitigate<br>delay in<br>reactions                   | Emphasize<br>the sensor<br>fusion                                     | Network of smart<br>vehicles lead to<br>reliable traffic<br>networks |
|---|---|--|
| unsafe roads is complex and multi-faced requiring systematic approach | Proves only<br>stake owners<br>can be chosen<br>as block<br>producers | Increase<br>visibility from<br>obstructed<br>road signs              |
|   |   |  |
| Does not expect any smart equipped devices with driver                | Sanctioning<br>live analytics<br>in wireless IoT<br>networks          | Performance and parameters affect the classification rate            |

#### CONTENT

| Assessing road safety                    | Unconventional approach                                   | Increased signal conspicuity                 |
|--|---|--|
| Detection<br>and<br>violation<br>control | Traffic<br>monitoring<br>system for<br>city<br>governance | Road safety<br>awareness &<br>comprehension  |
| Traffic<br>management<br>system          | Improved<br>traffic signal<br>design                      | Performance<br>of road signs<br>and markings |

#### **TECHNOLOGY USED**

| OBD-II                                | Intelligent<br>Transport<br>System<br>(ITS) | OMNeT++                                 |
|---------------------------------------|---|---|
| Support<br>Vector<br>Machine<br>(SVM) | DROMAS-a<br>software                        | Convolutional<br>Neural Netwok<br>(CNN) |
| Rasberry pi                           | HASHGRAPH                                   | C-SVM<br>V-SVM                          |