Organizers MHRD

GRAND FINALE

SMART INDIA HACKATHON '17

WORLD'S BIGGEST DIGITAL MOVEMENT

सत्यमेव जयते
Ministry of Road Transport and Highways
Government of India

1st & 2nd, April 2017

CONTAINTS

- Project ID
- Project Name
- Team Name
- Members Name
- Code
- Platform Used
- Other details

PROJECT ID: 5366

PROJECT NAME: App for sensing weight of vehicle

TEAM NAME: RAHIL

MEMBERS NAME:

1) SHIVANI JIKEY

2) PRABAL MESHRAM

3) NEHA RAMTEKE

4) JAKIR HUSSAIN SHEIKH

5) SUREKH CHINCHKHEDE

6) PALASH PADOLE

CODE

- Basically in our project we will use coding for two system i.e. for electronics system and coding for application.

1) Electronic system:- for coding of microcontroller circuit and sending a message from GSM 3OO Module and making circuit layout we will use two soft ware.

- Atmel studio 6.1= This is used for programming of microcontroller circuit for controlling the operations coding must nessasully, which is done in Atmel studio 6.1.
- CAD Eagle= This software we will used for designing the layout of microcontroller circuit.

Application coding= for making an android application we will use Android studio 2.2 and SQLite.

- Android studio 2.2= This software is used for making an android application.
- SQLite= It is used for creating online Database.

PLATFORM USED

Technology used:1) Mechanical part : Load cell(40 kg)

2) Electronic part :

1)SOFTWARE: ATmel studio 6.1,

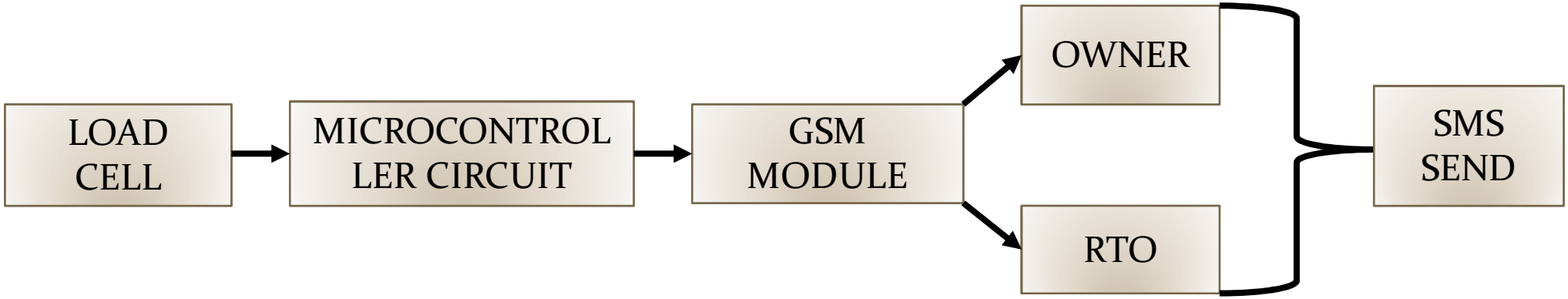
2)HARDWARE: Microcontroller circuit(AT-mega 16),SIM 300 GSM Modules

3)Software part : Android studio 2.2,SQLite

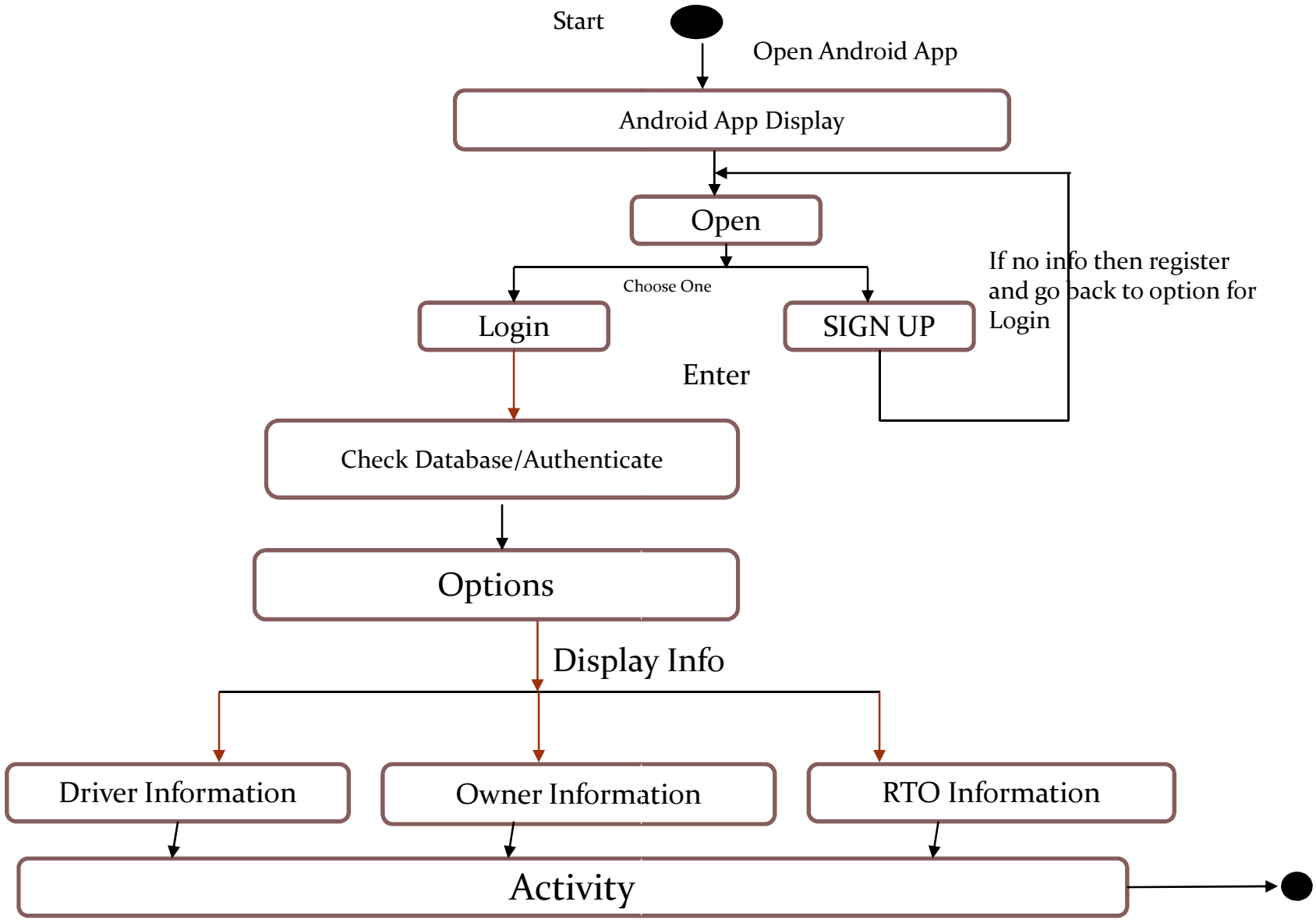
OTHER DETAILS

- **College Name**: JD College of Engineering and Management, Nagpur.

FLOW CHART: MECHANICAL & ELECTRONICS SYSTEM



WORKING OF ANDROID APPLICATION



PROPOSED SYSTEM

Functionality

- In any place we can identify the location of driver and truck by using this system.
- By using this system we can prevent damaging of highway and prevention from accident.
- If the truck will over loaded then the automatically message will send to RTO and owner of vehicle.
- If the truck will overloaded then we will cut the supply of engine from our system.
- Tracking the location of driver by using GPS Module.
- By using GSM 300 Module we will send the SMS as well as Goggle location of truck.

- In accident or in any difficult condition if the driver will double click of our mobile sound button then the driver location will send to RTO and owner, by using mobile GPS.
- Owner will also identify the location of driver by using android application by sending the fetched code through SMS.

FUTURE SCOPE

1. Real time location tracing GPS in the application.
2. Owner will set the path from source station to destination.
3. Unique Identification of the vehicle can be done by Surveillance camera.
4. We can add the scan documents in this application.

Conclusion

Thus finally we will conclude that successfully we are implementing our idea and make perfectly prototype model which will run and give efficient output.