Re-Organising the Building Block of Corbusian Legacy

Smart Mobility For Sector 22

Background:

- ➤ Why people avoid public transport
  - ▪ Uncertainty in time of arrival.
  - ▪ Longer waiting time
  - ▪ Schedule not followed strictly
  - ▪ Lack of location tracking
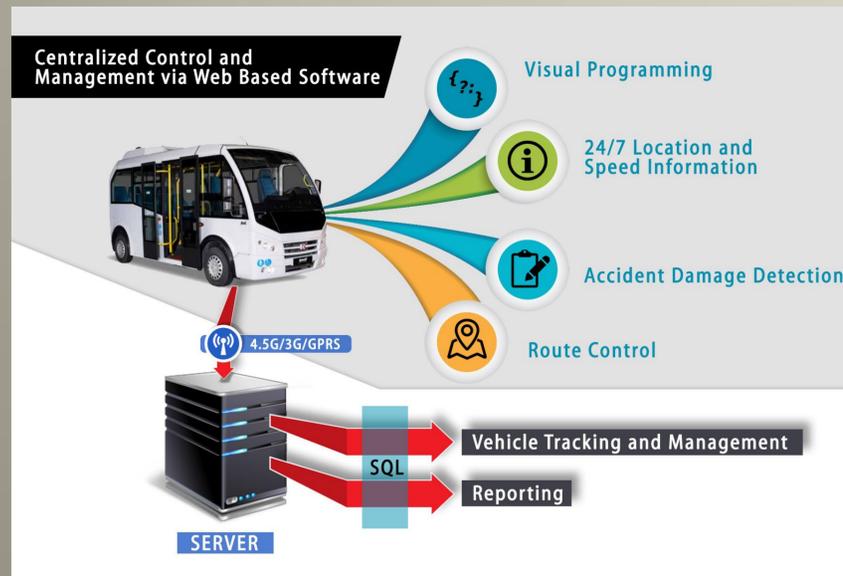

Smart Public Transportation:

Proposed solution:

- ➤ **Smart tracking system**
  - ▪ This system will facilitate real time location tracking of buses and will provide the expected time of arrival of buses.
  - ▪ Every bus will be equipped with GPS system and will connected to IoT (Internet of Things) .
  - ▪ The location will be acquired from GPS and will be uploaded on the server using IoT device.
  - ▪ Each Bus stop will be equipped with display devices connected to IoT. The Expected time of arrival will be calculated and displayed at these displays.
  - ▪ An android app will be developed which will fetch data from the server and will display the real time location of bus on the map along with expected time of arrival at each stop.
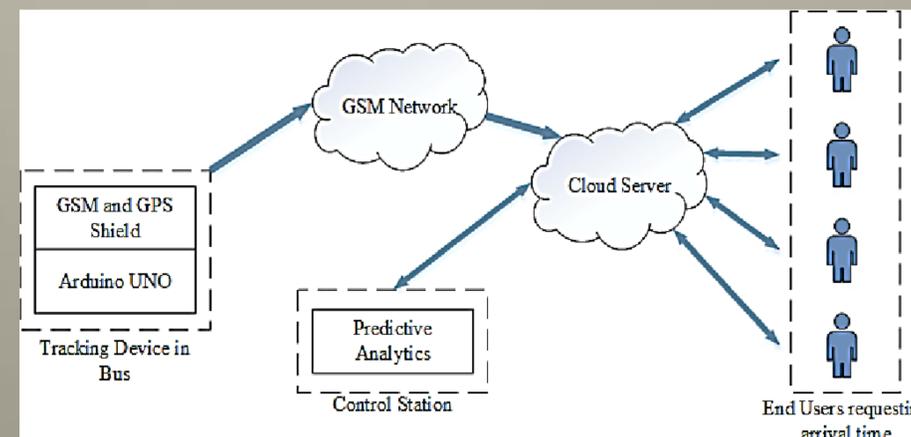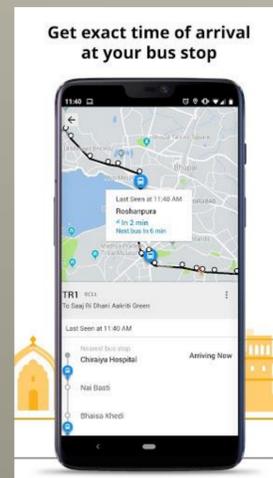

- ➤ **RFID Smart ticketing system:**
  - ▪ This system will facilitate in smart paperless and convenient ticketing system using RFID technology.
  - ▪ The bus pass will be made RFID enabled.
  - ▪ Those who do not possess bus pass will be issued with an RFID token for the journey which has to be returned at the time of getting off the bus.
  - ▪ The ticketing system with the conductor will be embedded with RFID reader.
  - ▪ This will make the ticketing system paperless as well as smart.

Participants:

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