INTELLIGENT POST LOCKDOWN MANAGEMENT SYSTEM FOR PUBLIC TRANSPORTATION - AL POWERED NOTIFICATION APP

INTRODUCTION :

The outbreak of coronavirus has brought almost every other city to a standstill. The public transport system is considered at high risk due to higher passenger density, mainly in peak hours, higher chances of getting the infection from common surfaces, and difculty in the screening of the individuals. Therefore, public transport systems have ground to a halt. As the situation improves, the lockdown will be relaxed, public movement will begin, and services will gradually resume. However, it is a long road before the situation normalizes. However, public transport is one of the most important modes of mobility that is sustainable and serves people at a large scale. At the same time, in the prevailing circumstances, public transport users are at high risk, which will stymie its operation.

PURPOSE:

The aim of the project is to make an AL POWERED NOTIFICATION APP to notify the passengers their social distancing level and timings of the vehicle.

LITERATURE SURVEY :

EXISTING PROBLEM **:**

The poor quality of infrastructure, information systems, and limited services to passengers and pedestrians, complicate trips for the captive user and make them less attractive for potential ones. Lack of monitoring of bus service demands, inaccessibility of stops, irregular intervals, and the lack of convenience and passenger security, have led to a rapid deterioration of transport services in Indian cities.

PROPOSED SOLUTION:

To create a AL POWERED NOTIFICATION APP to notify people about the timings of the arrival of the vehicle from home . It also notify the social distancing level between passengers and alters the person if the distance is less.

THEORETICAL ANALYSIS :

We create an app using Android studio. Using Android studio we will be designing the whole app.

SOFTWARE DESIGN:

Install the required tools and create the required accoounts :

1. **SETTING UP ANDROID STUDIO**

2.CREATE A DEVICE IN THE IBM CLOUD PLATFORM

3.INSTALL NODE-RED LOCALLY

4.VISUALISING THE DATA

6.CONNECTING TO DATA

8.RUNNING THE CODE AND VISUALISING

FUTURE SCOPE:

The project can be further extended by adding more features to app. Increasing the User interface. Using huge amount of database will enable more security for the passengers