

The parking Spot

Dont keep looking
we've **found it!!**

Team Name: PEACE

Presented by

Gautam Vhavle

Suhaas Borra

of Manipal University Jaipur

| 1 | Problem?

Problems faced while looking for a parking spot

01

Every single year drivers from around the world spend countless hours driving around looking for a spot to park this is an incredible waste of time and also expends an uncalled amount of fuel contributing to global warming.

02

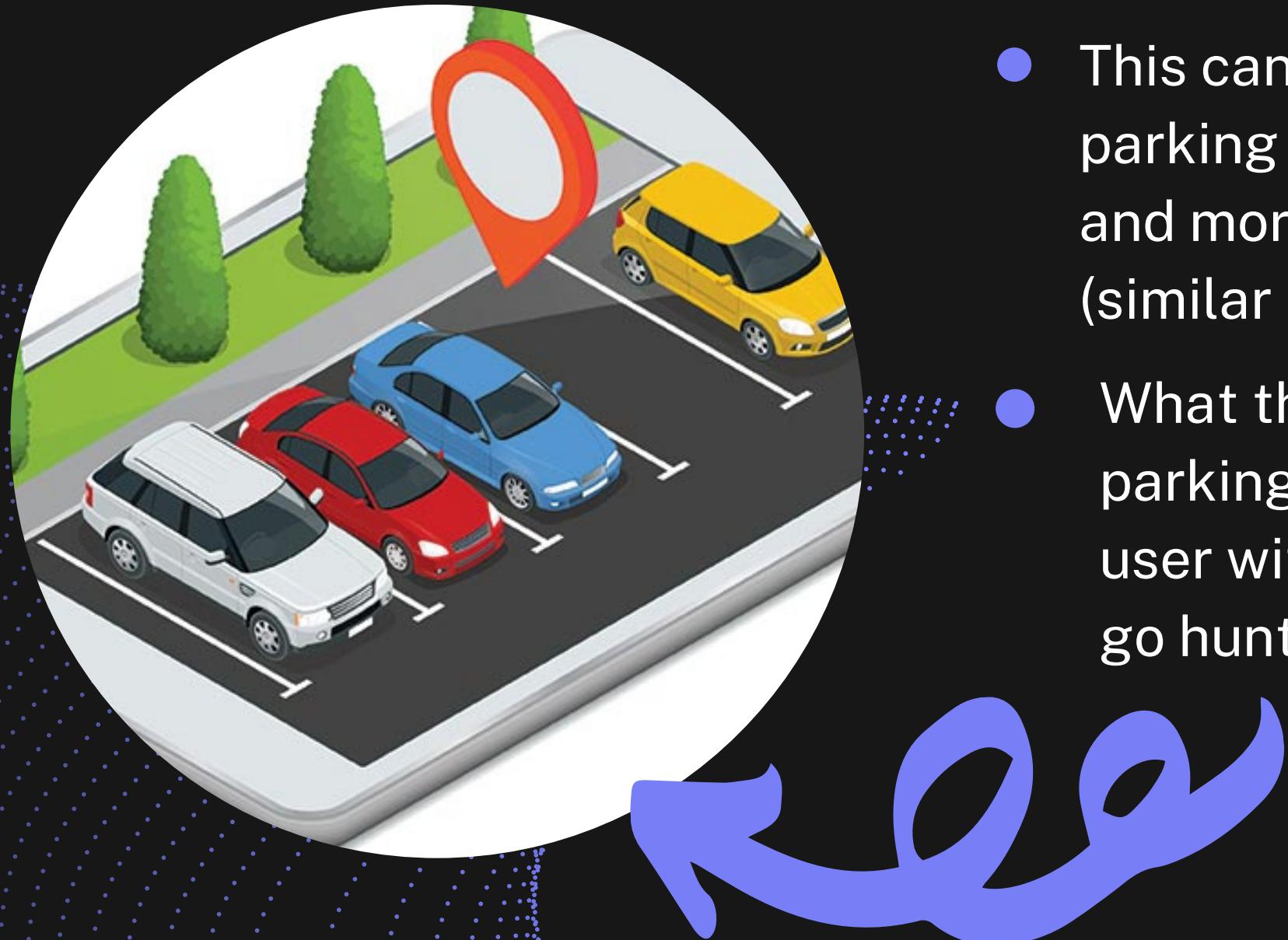
The average time spent looking for a parking spot world wide is 20 minutes and in some cities can even be higher. This wasted time is also reflected in the greater economy with estimates suggesting americans loose upto \$73 billion dollars a year looking for parking spots.

03

We need something which can guide us to the nearest parking spot available in order to make things work more simpler.

| 2 | The Solution!

Keeping this in mind we have come up with [The Parking Spot](#).



- Offers The Location Of the Nearest Parking Spot Possible !!
- This can be implemented in virtually any parking spot. The parking lots of airports, malls and other large establishments and more importantly at parking stands by the sides of roads (similar to parking meters).
- What this will do is work with an app and an API. Wherein on parking the vehicle anytime the message will be sent to the user with the exact location of a vehicle so one ever has to go hunting for their car if they forget where it is parked.

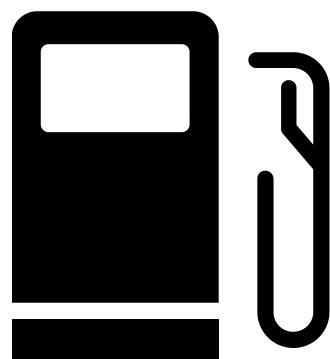
Time Efficient

Save time!

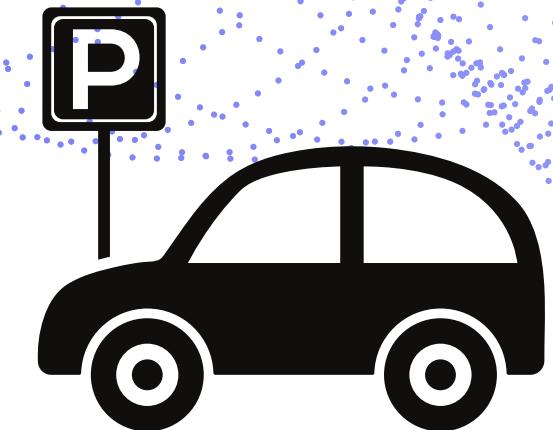


Fuel Efficient

Save Money!



Never Forget Where
You Parked



Less Confusion

Guides you straight to the
empty spot using GPS



Notification Enabled
get a link to the location of
your car and a notification
when it leaves



Simple and intuitive

just park and scan.
its thtat simple!

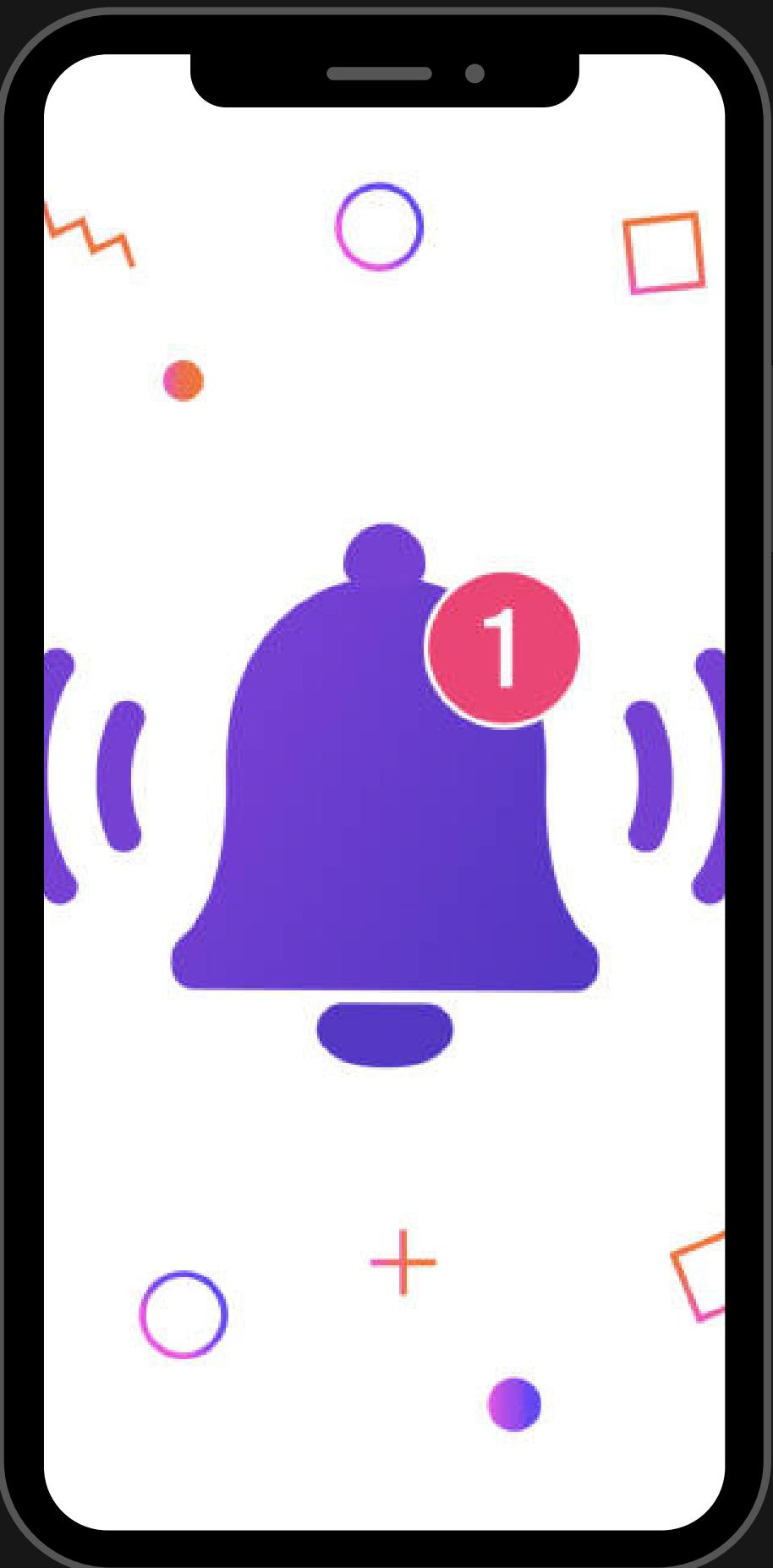
| 3 | Product Description



- 01 Proximity sensor detects the car. esp32 iot senses and processes it and sends it to the server and marks it as a vaccant place.
- 02 It gives a pin point position of the nearest parking spot on the output display(in the case of a parking lot) which will be placed near the toll gate or will update universally on the app (in the case of a street side spot)
- 03 The car parks on the given position, the proximity sensor senses it and, ESP32 IOT processes it and marks it as equiped place.
- 04 This product works in real-time so once the car vacates, the same process continues and it still shows the nearest vacant parking place possible.

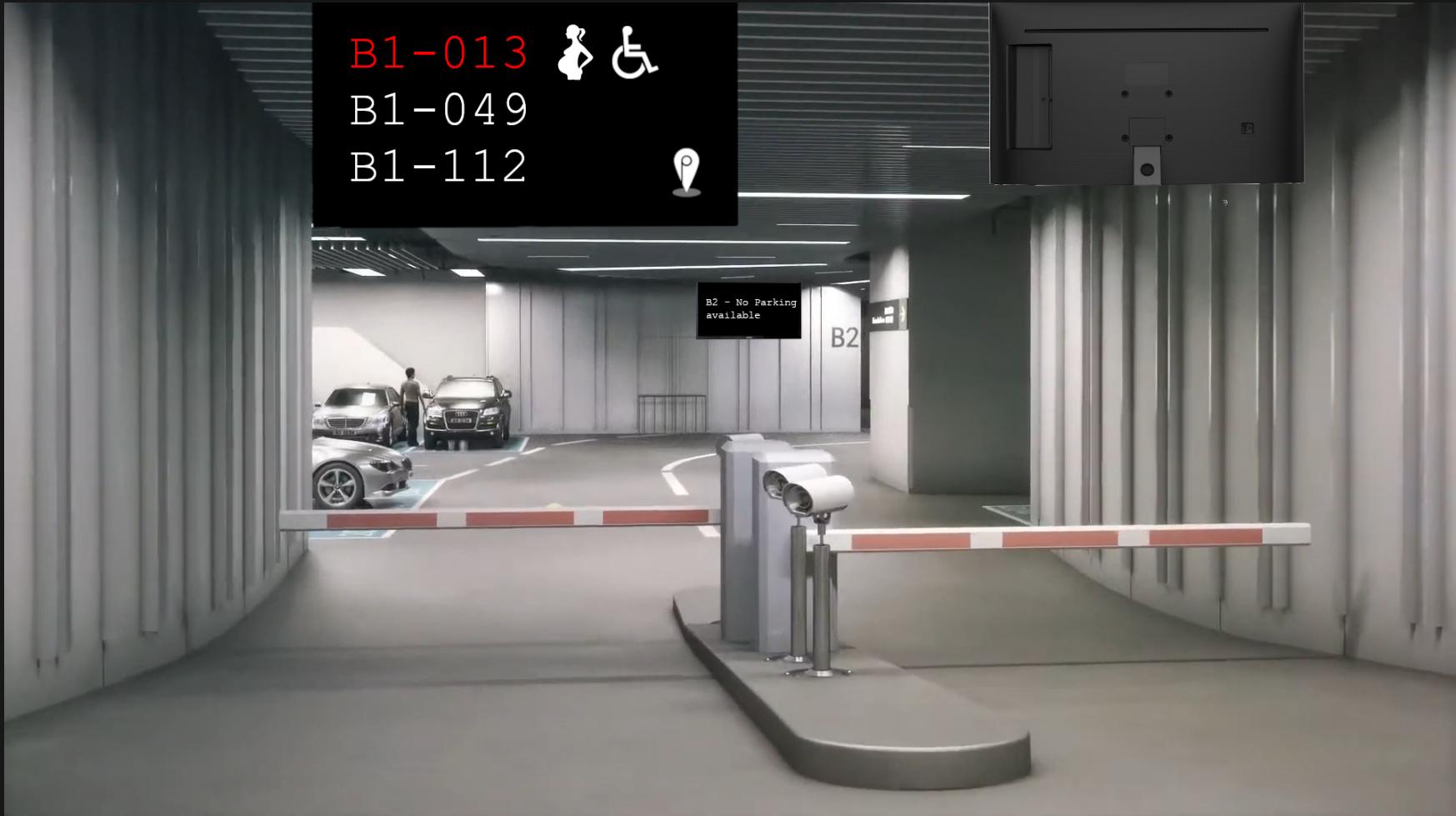
Application

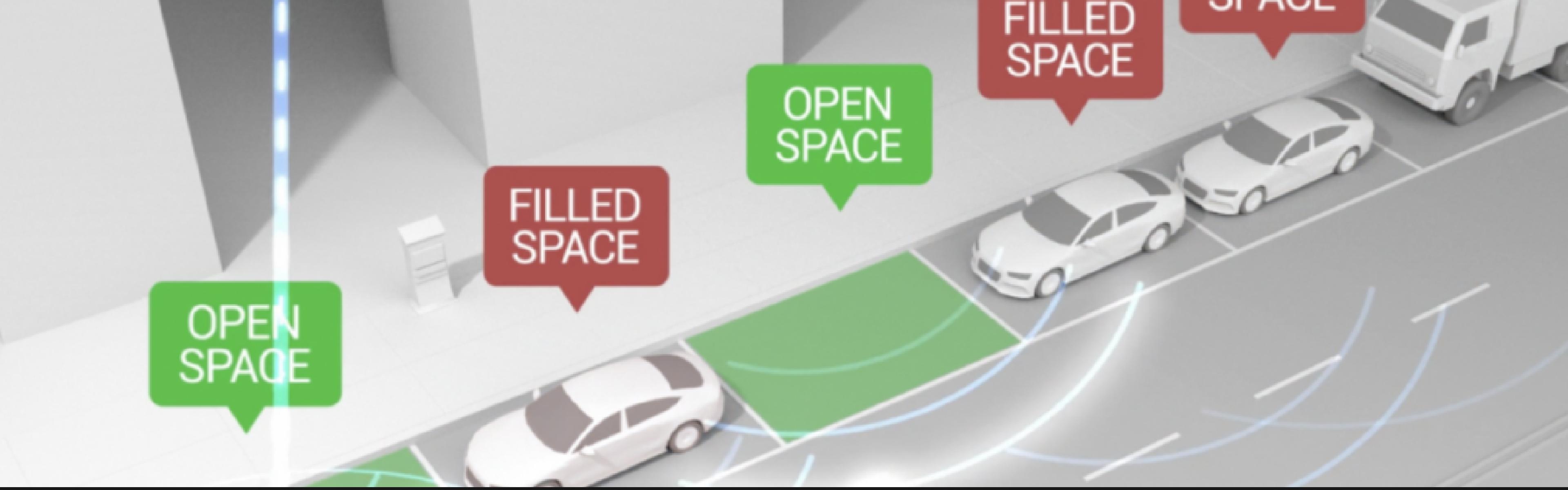
While for users who have installed the app they can also tap into the network and find any parking spots nearby that are free so instead of motoring around they can just find the spot, park and be on their way no time lost!



Display Screen

This system will also tie into screens outside large parking lots which can display the location of an empty spot eliminating the need of people to guide cars in a dense packed parking lot. This system in essence will guide cars to the empty parking spot quickly and efficiently saving both time and fuel.

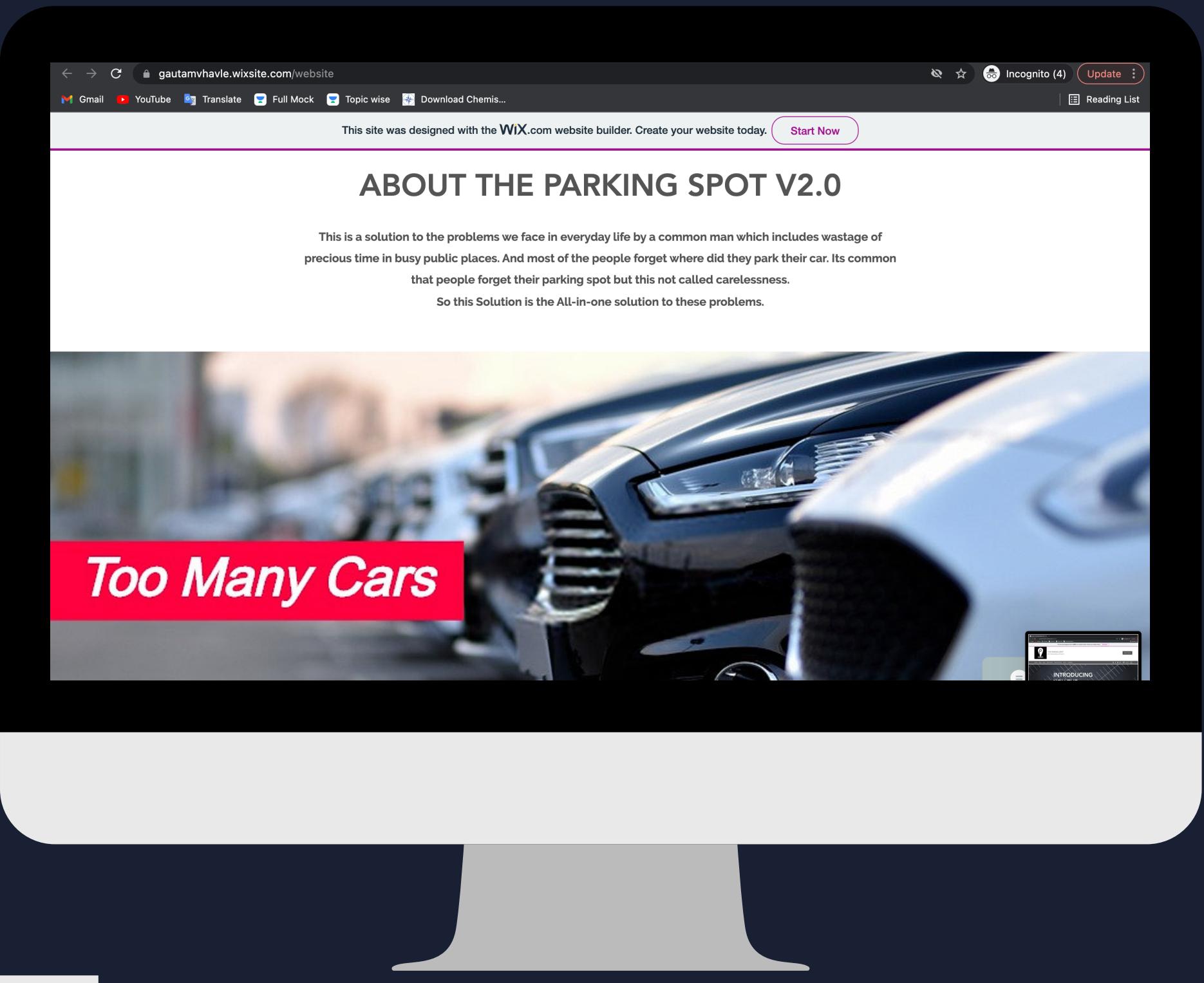
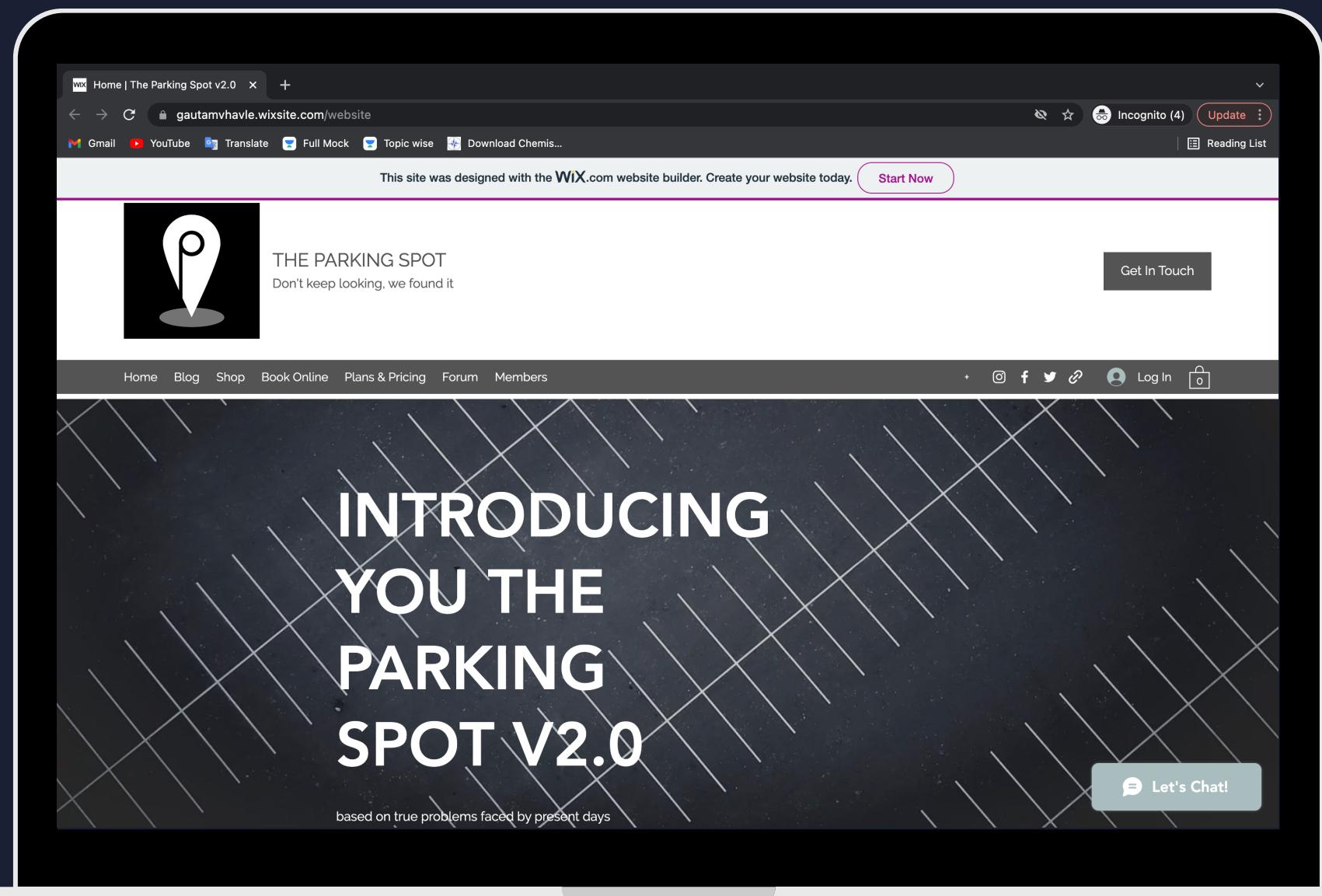




How it Works?

The device used will be small box sized (like parking meters) and will house a [Proximity Sensor](#) and [RFID sensor](#).

This will allow it to know if the spot is filled and with the card users can scan their cards which will enable further functionality from the app and API functionality. This technology can later be expanded to include NFC to accept payments and essentially also function as a parking meter.



The Official Website

<https://gautamvhavle.wixsite.com/website>



Unique Selling Proposition

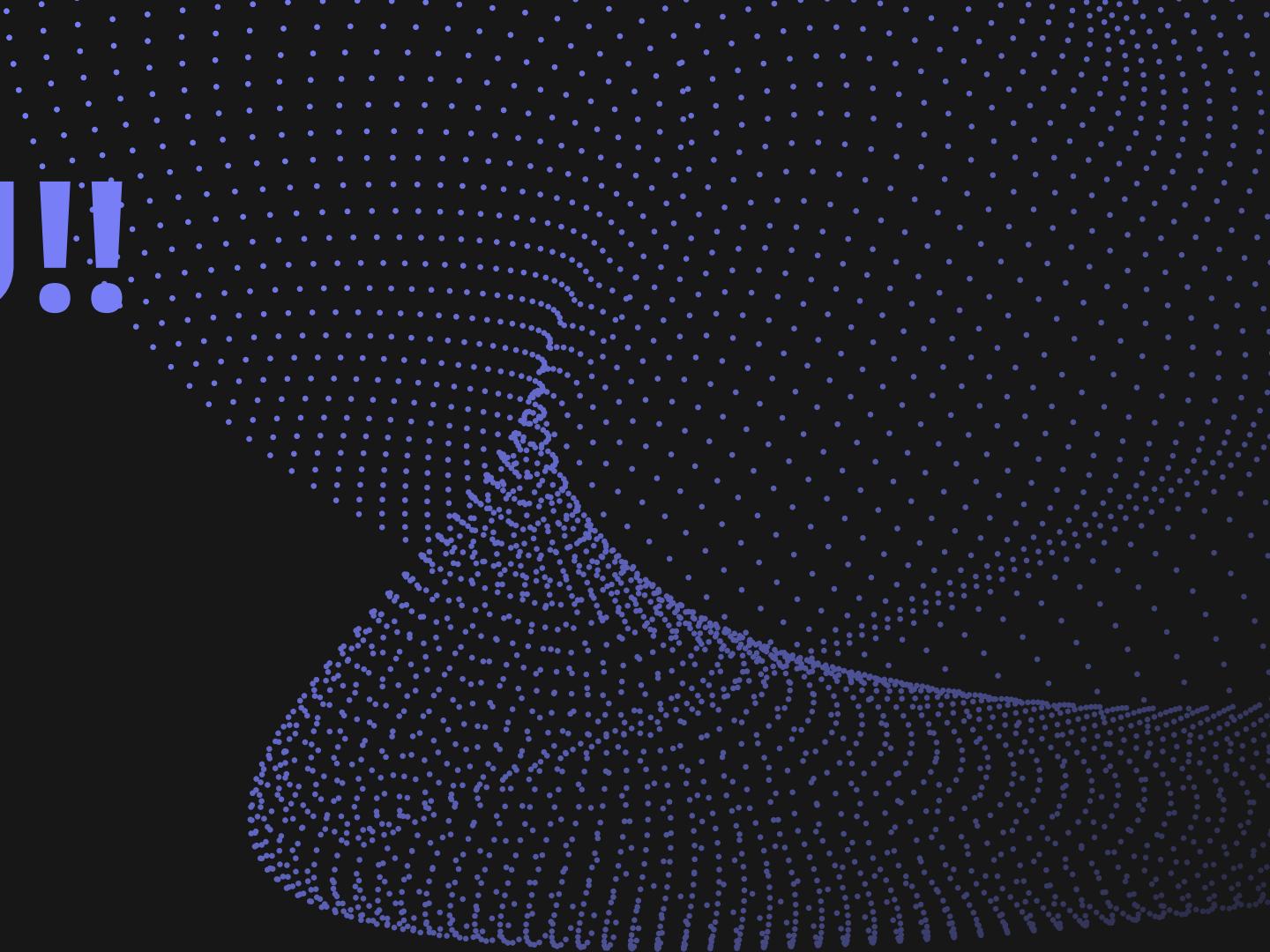
Targeting public places like;
Shopping malls, cinema halls, etc..

Making parking convenient by;
Saving time, space, efforts, etc...
Not Only India many other countries need it, as they wanted to
make things organised.
This works live that it sorts out even if the driver has parked in the
non assigned place and its cost efficient too.

Application



THANK YOU!!



Let us know
if you have any questions!