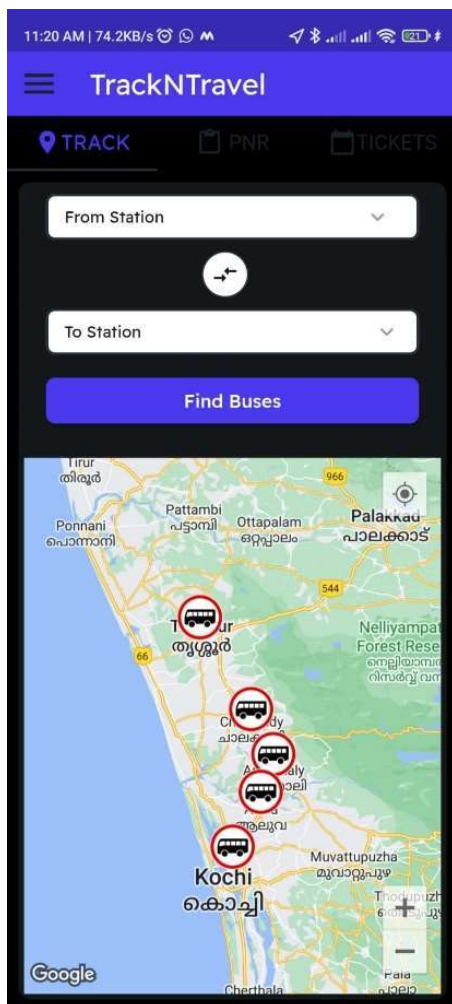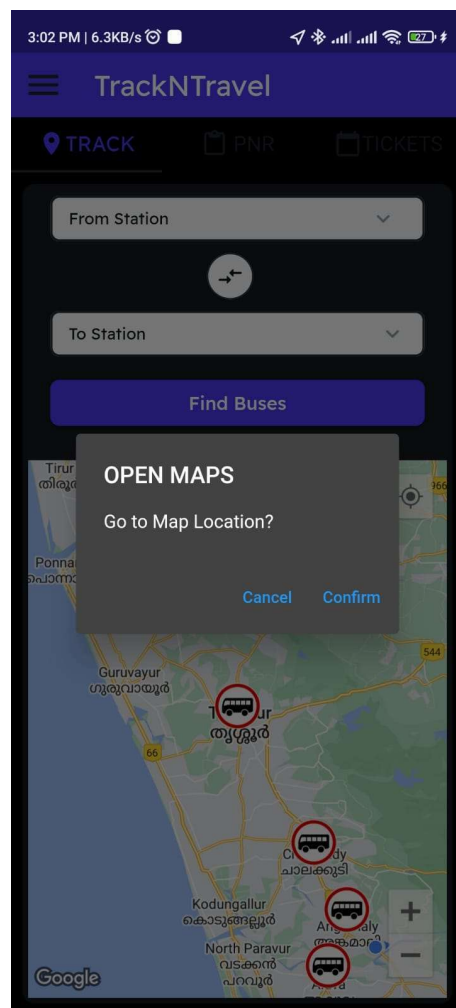Home page of the mobile application. It contains a map view of the depos and fields to select the origin and destination
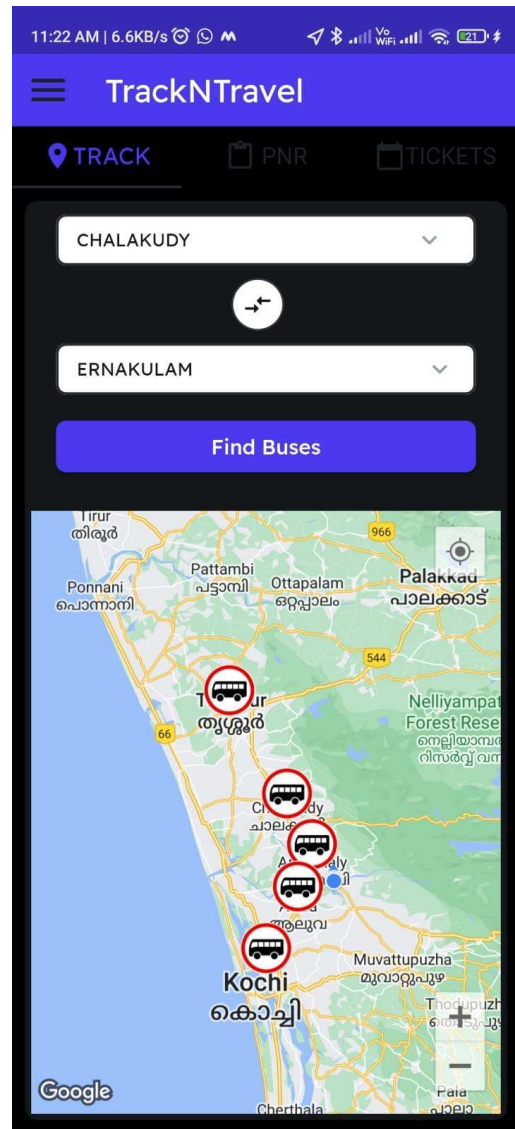
Selecting a marker gives a prompt to open the location in the default map of the device

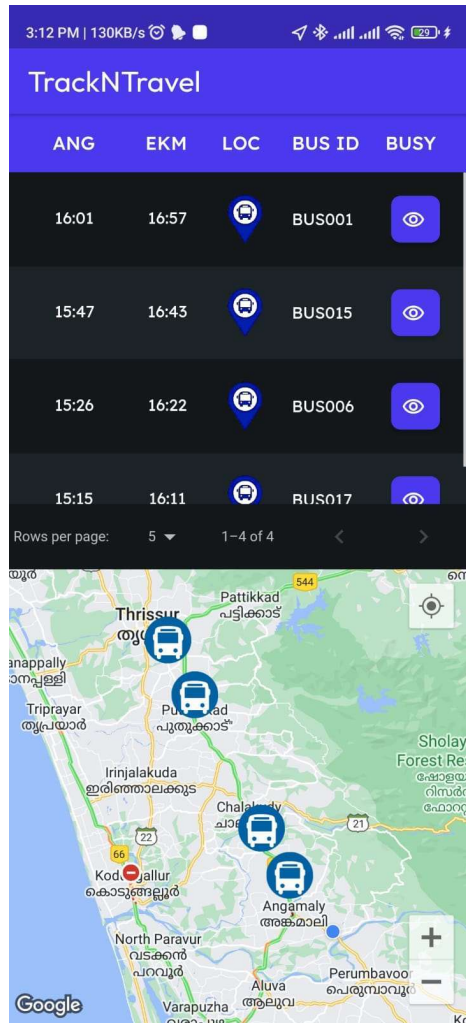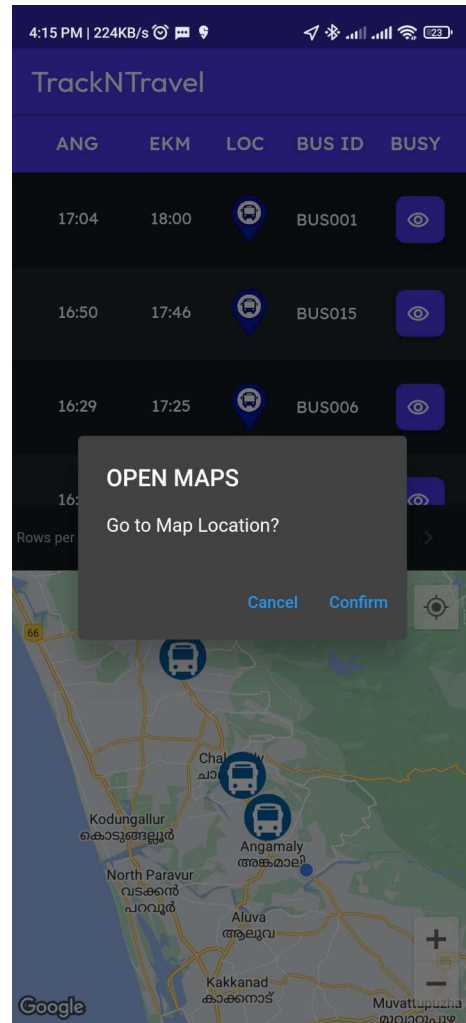List of available depos

Origin and Destination selected

Find Buses shows the list of buses available in the selected routes

Selecting a marker gives a promt to open the location in the default map of the device

Activating a bus camera device, here a windows system is acting as a proxy device:

Activating a bus with busid BUS001:

The device begins to capture an image using the connected camera and gets the head count in the image using the YOLO model and updates the dataset accordingly. This happens for every one minute interval the device is activated.

```
image 1/1 C:\Users\CLEETO ITTIACHAN\Downloads\captured_image.jpg: 64
Speed: 0.0ms preprocess, 282.5ms inference, 15.6ms postprocess per i
Total number of heads: 2
photos/BUS001/
Existing folder detected.
Existing folder deleted successfully.
Data updated successfully

image 1/1 C:\Users\CLEETO ITTIACHAN\Downloads\captured_image.jpg: 64
Speed: 0.0ms preprocess, 172.8ms inference, 63.1ms postprocess per i
Total number of heads: 19
photos/BUS001/
Existing folder detected.
Existing folder deleted successfully.
Data updated successfully

image 1/1 C:\Users\CLEETO ITTIACHAN\Downloads\captured_image.jpg: 64
Speed: 0.0ms preprocess, 156.7ms inference, 15.6ms postprocess per i
Total number of heads: 1
photos/BUS001/
Existing folder detected.
Existing folder deleted successfully.
Data updated successfully
```
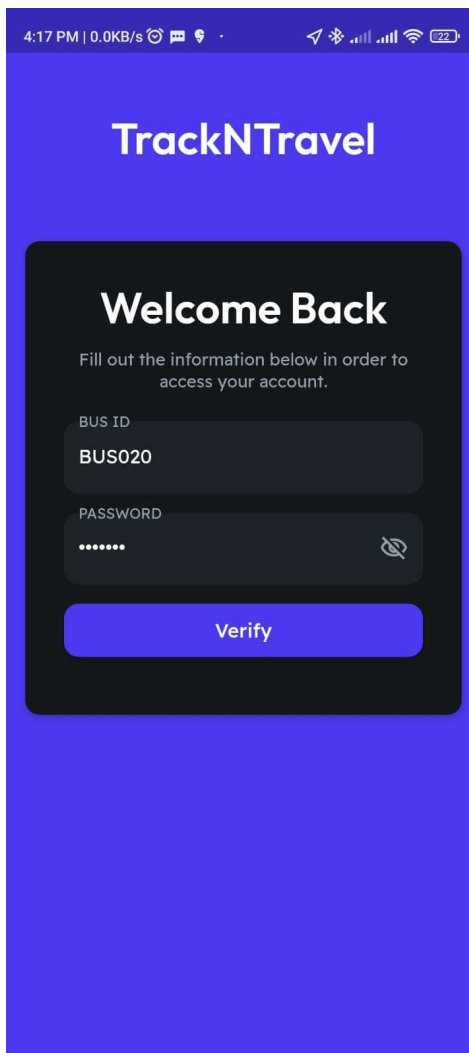
The device begins to capture an image using the connected camera and gets the head count in the image using the YOLO model and updates the dataset accordingly. This happens for every one minute interval the device is activated.

```
image 1/1 C:\Users\CLEETO ITTIACHAN\Downloads\
Speed: 0.0ms preprocess, 159.6ms inference, 0.
Total number of heads: 1
photos/BUS001/
Existing folder detected.
Existing folder deleted successfully.
Data updated successfully

Exiting program.
Set to False

C:\Users\CLEETO ITTIACHAN\Downloads>
```

Entering login details
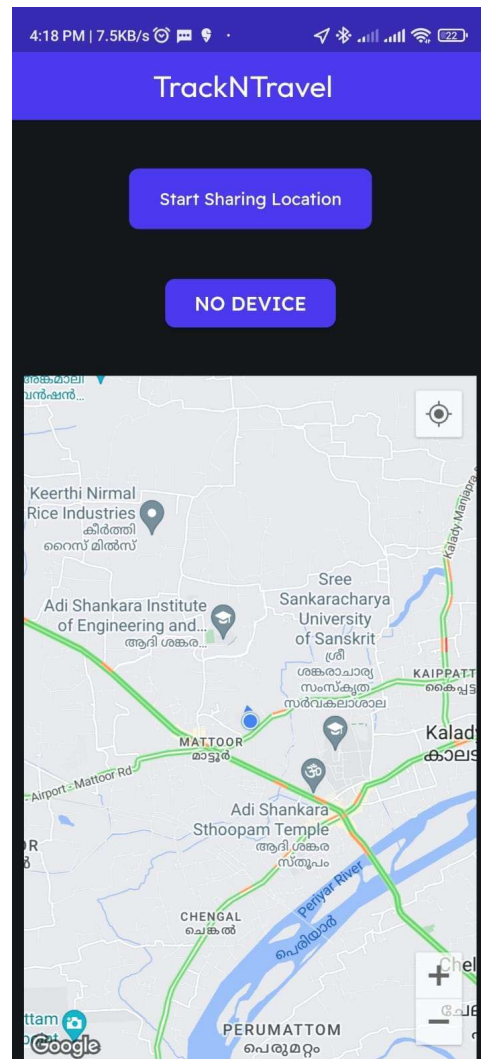
Logged in page.

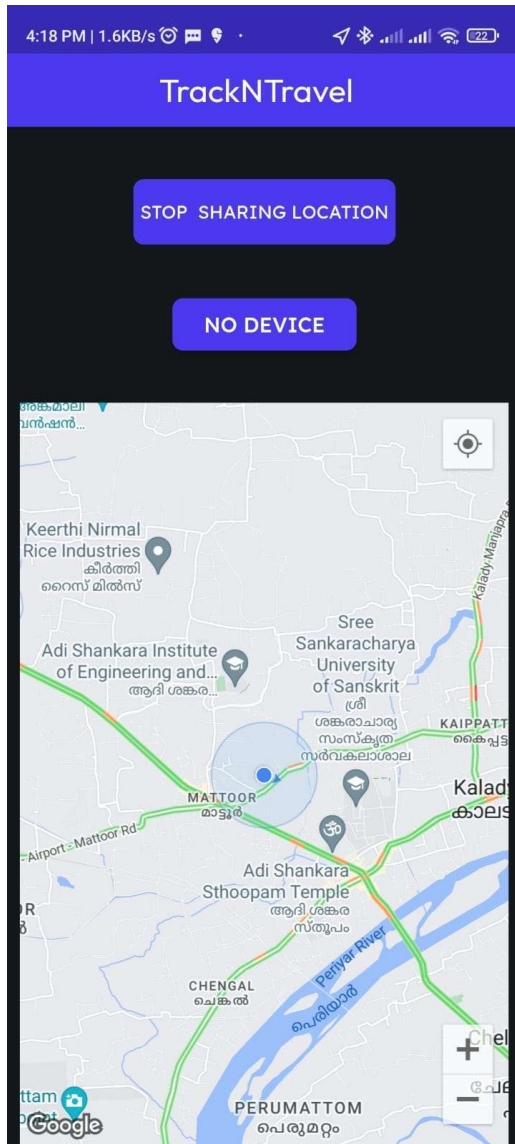Logged in page after user starts to   share location

Logged in page after bus de-vice enabled