

APPLICATION GO-THROUGH



Smart
AGRI

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Team: UIET Chandigarh_intellij

RESOURCES

LINK TO Application APK :

bit.ly/intellij_apk

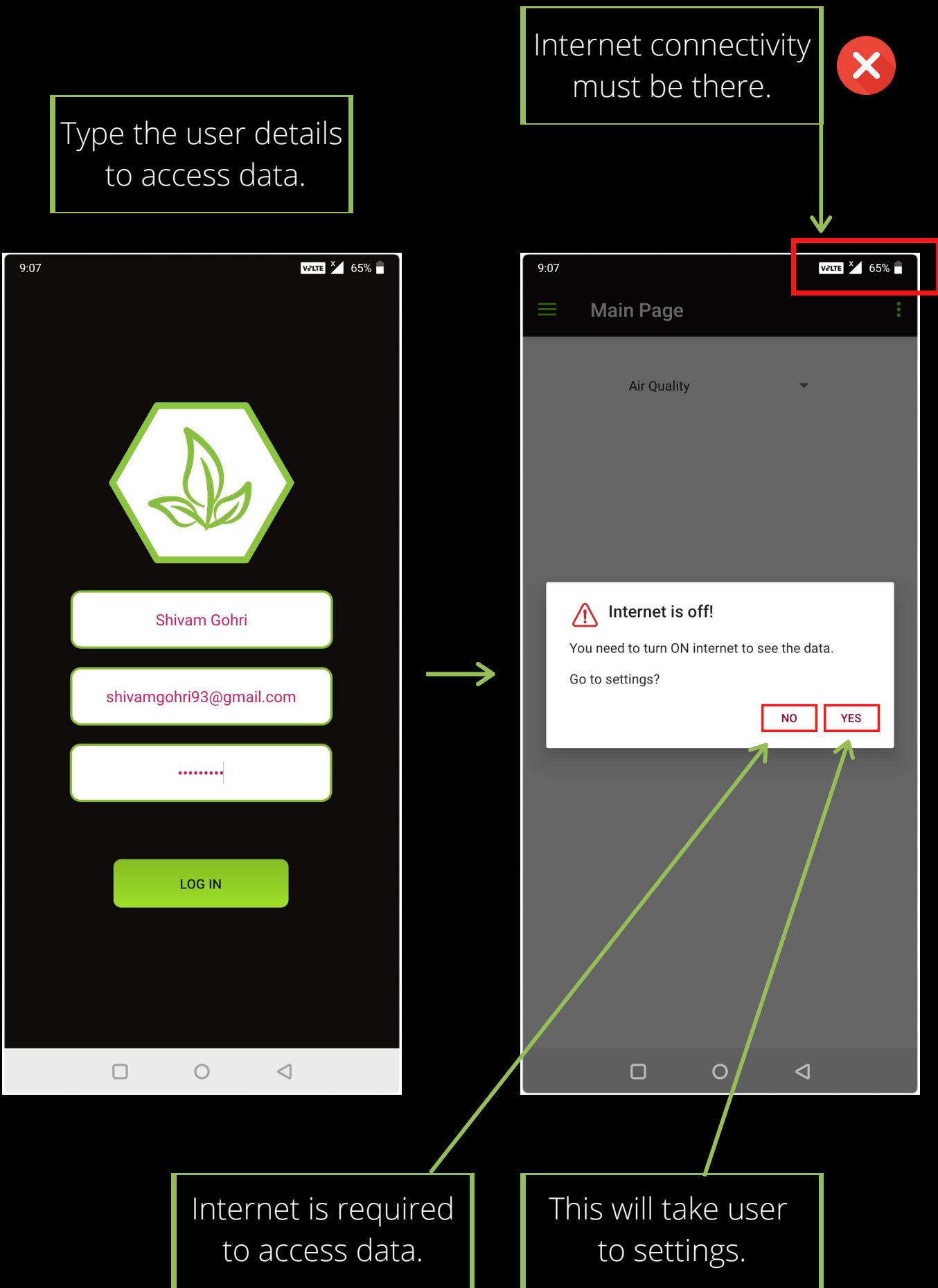
LINK TO Application Screenshots :

bit.ly/intellij_screenshots

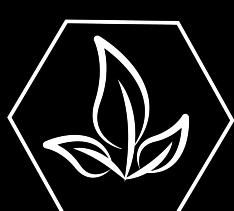
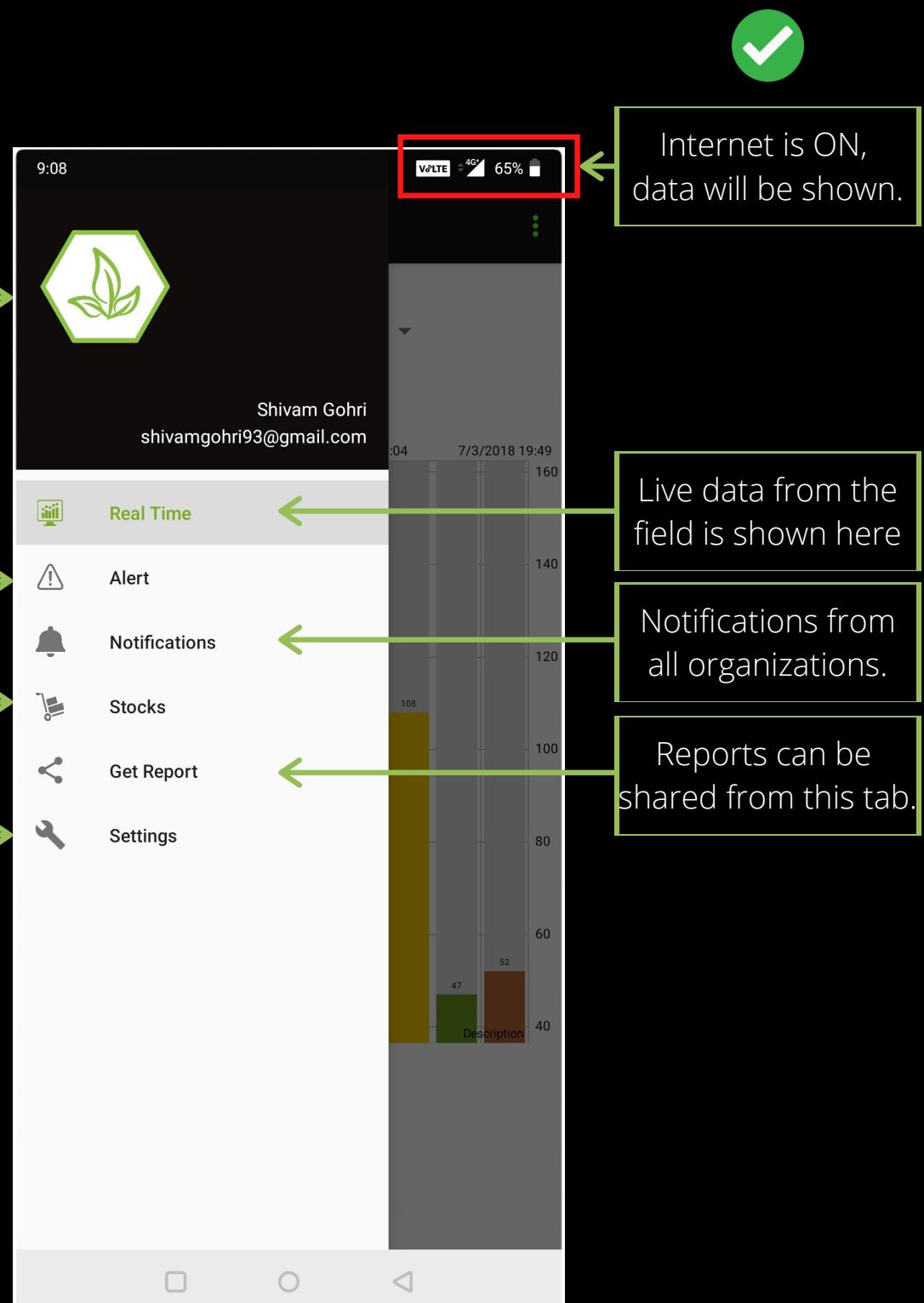
LINK TO Guide Books :

bit.ly/intellij_guides



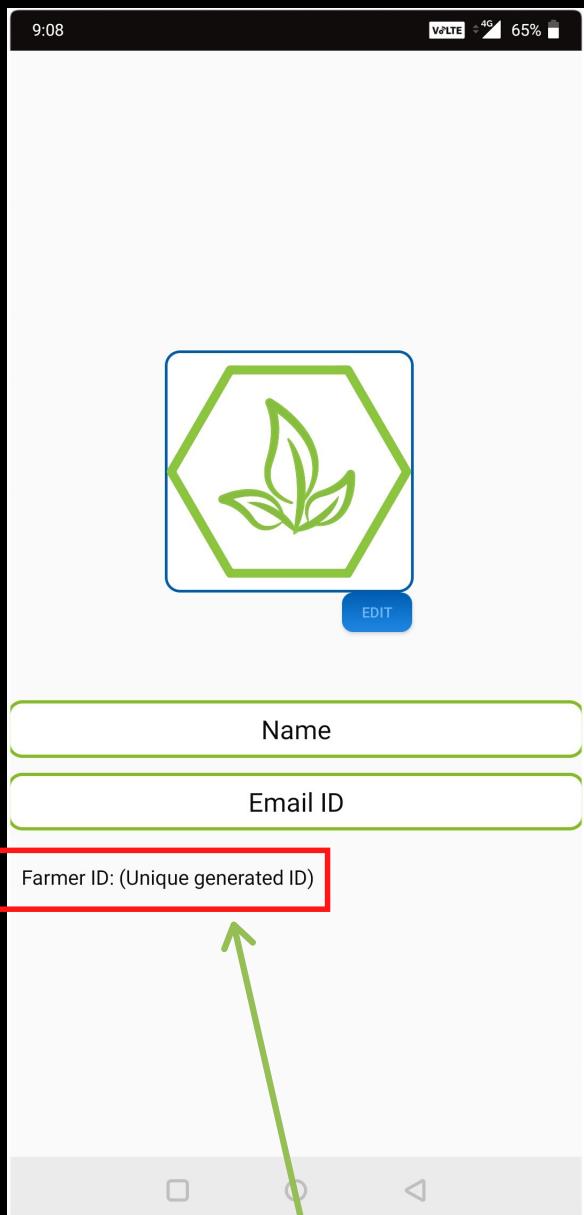


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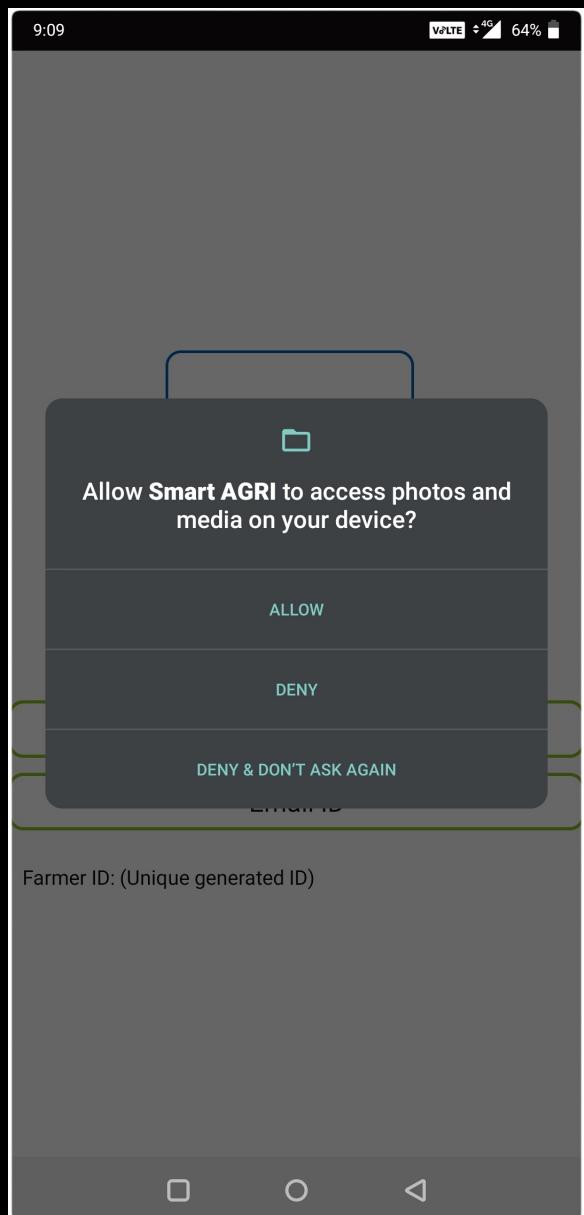


USER PROFILE

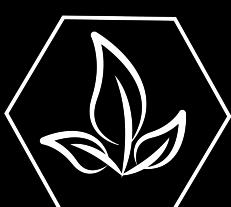
Click 'EDIT' button to change profile pic.



Farmer ID will be assigned to every farmer which will be linked to field database.

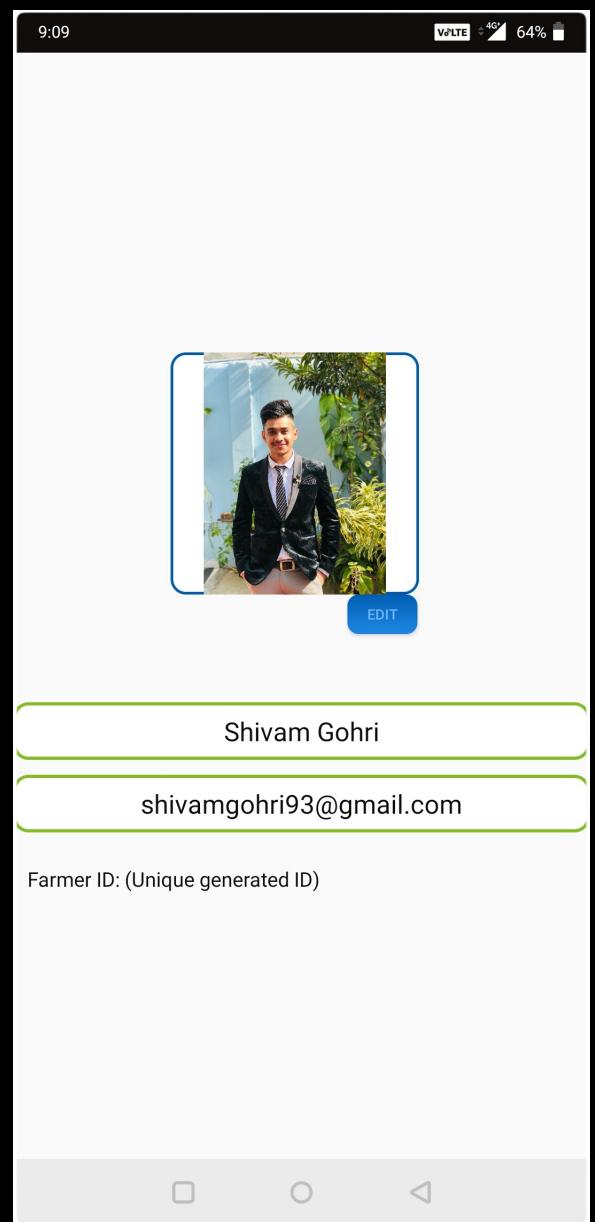
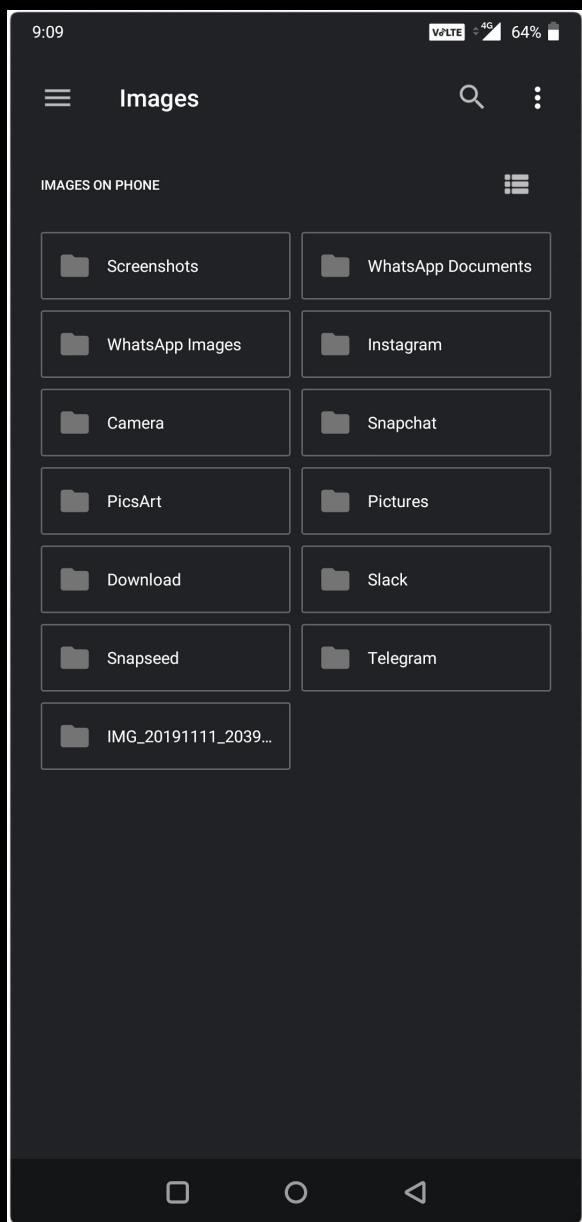


Allow the application to access media.

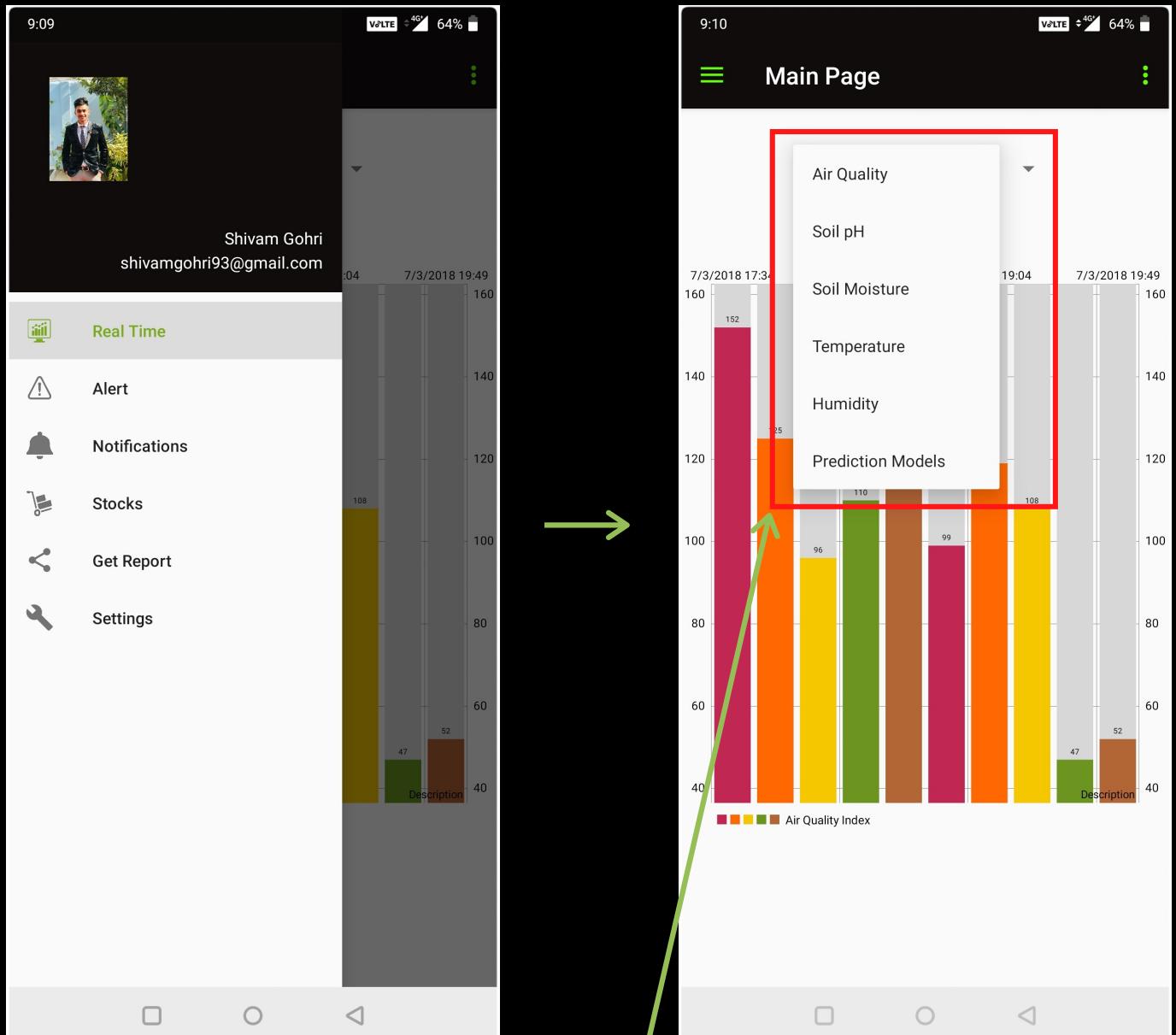


Select picture from your media.

Picture is displayed.



REAL-TIME DATA



Option can be selected from the drop-down list to fetch the live data of that field feature.

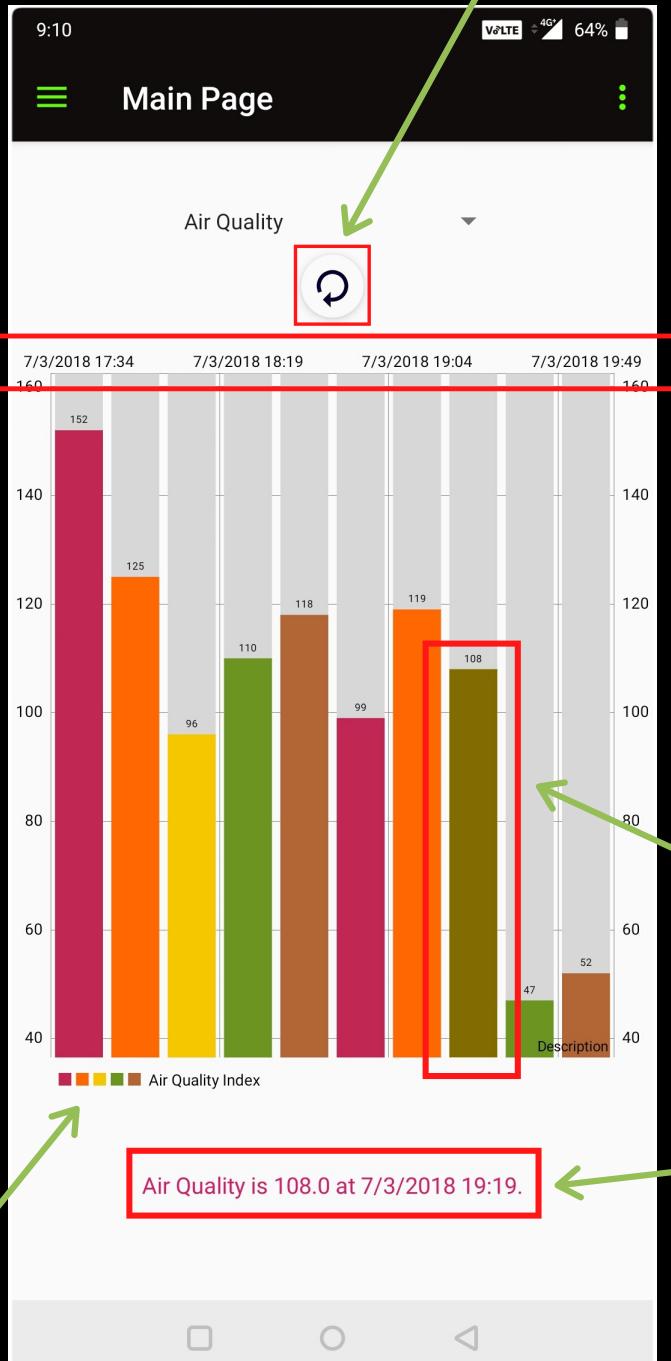


Live data can be refreshed by swiping down, this will fetch data from the 'Firebase DataBase'.

Respective Date & Time is shown on the bar chart.

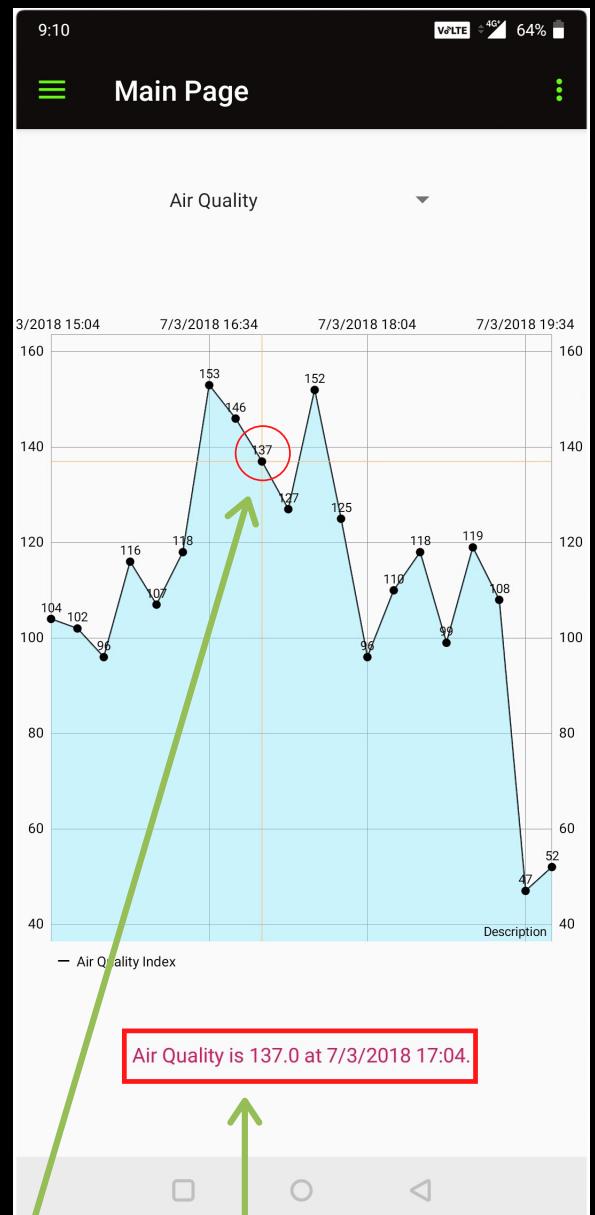
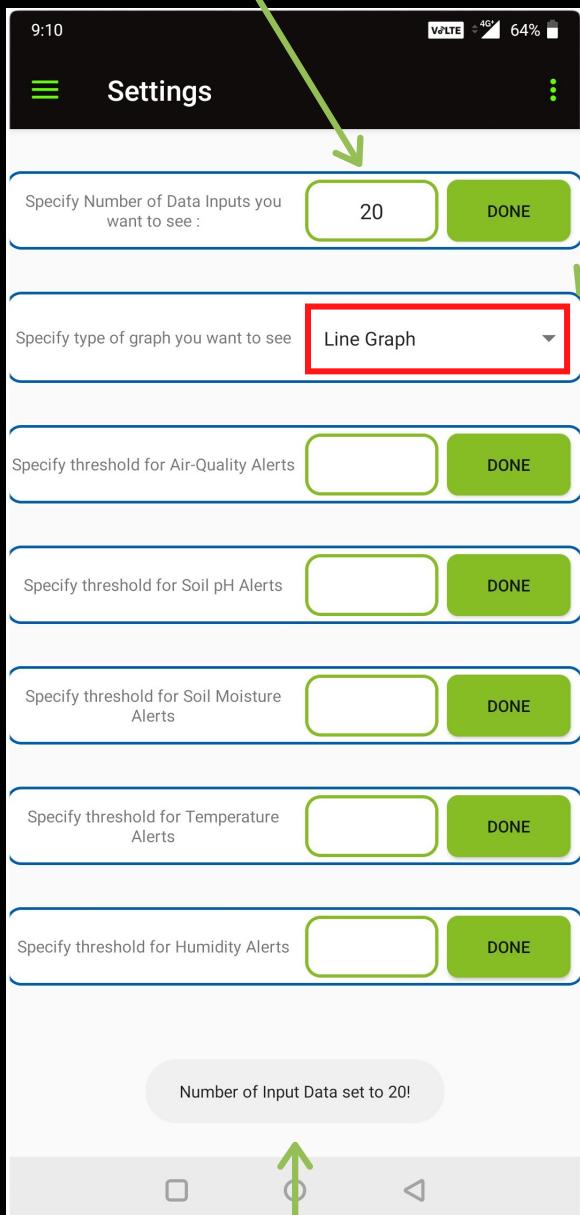
Number of feature data is default set to 10, but the user can edit this in settings and can fetch any number of data and see the past records.

Index of that particular feature of the field data.



Index of that particular feature of the field data.

User have 'Bar Graph' & 'Line Graph' option to see the live data.

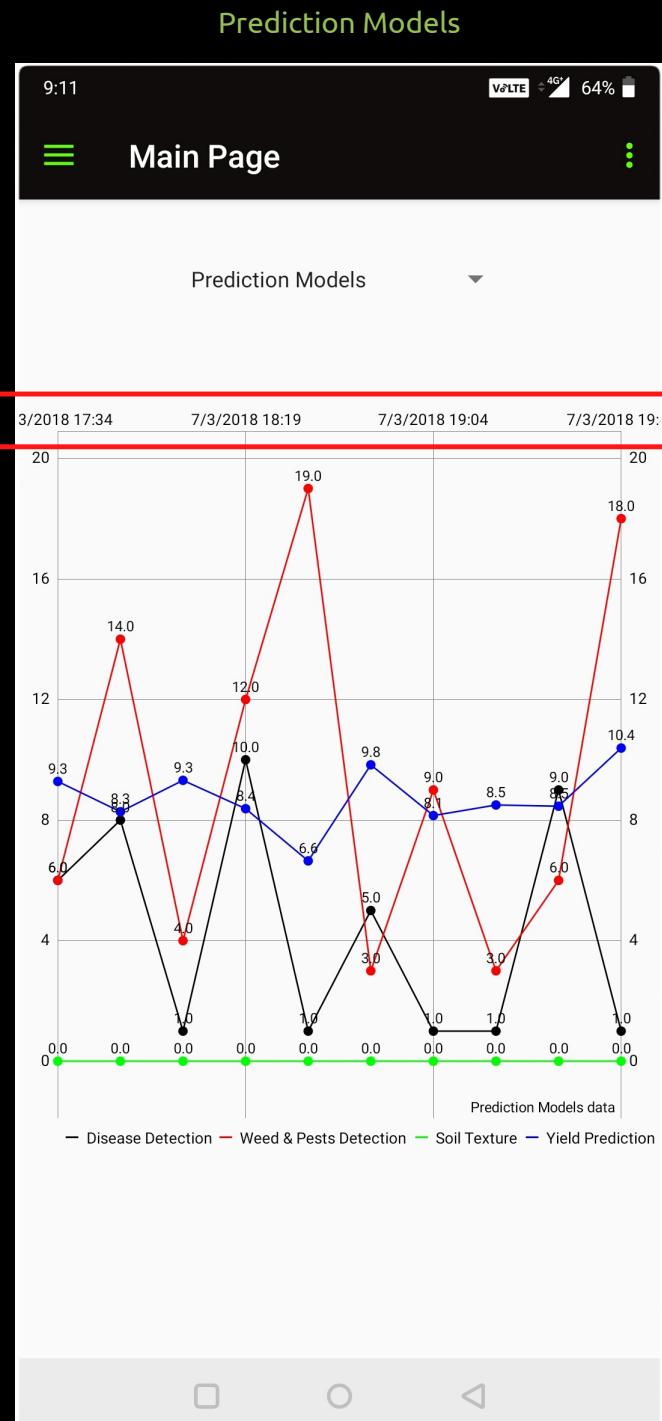


Number of feature data visible to user is now set to 20.

Line data details will be fetched from database and shown on the click.



All prediction models results are shown in the line graph and also the analysis of the results will be shown to the field supervisor and other actions taken on basis of results will be added in log file.

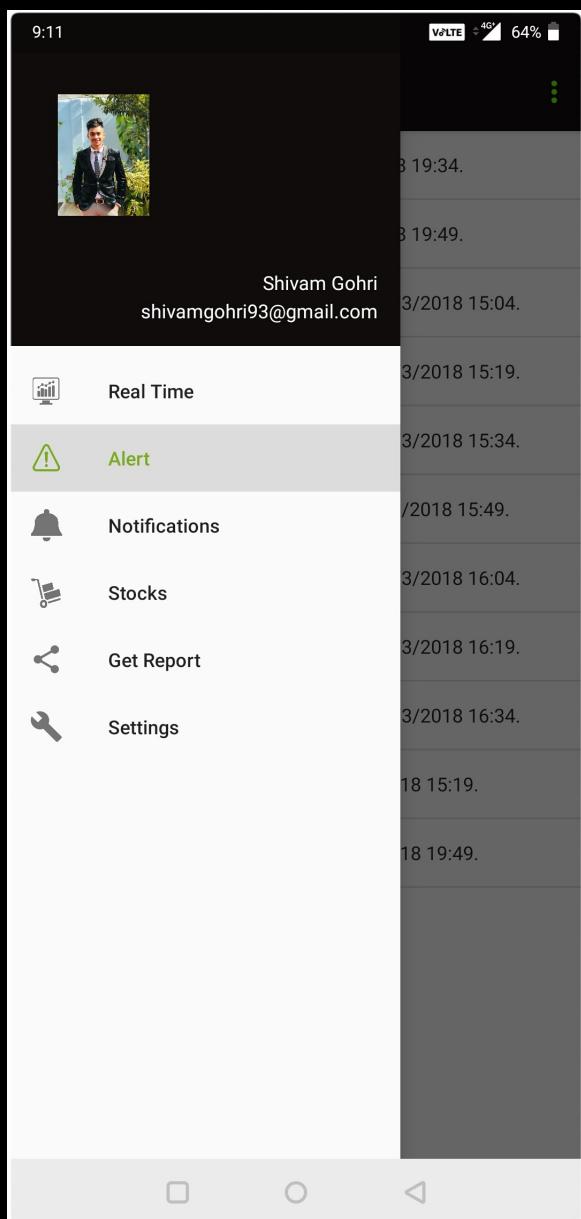


Respective Date & Time is shown on the Line Chart.

- Disease Detection
- Weed & Pests Detection
- Soil Texture
- Yield Prediction



ALERTS



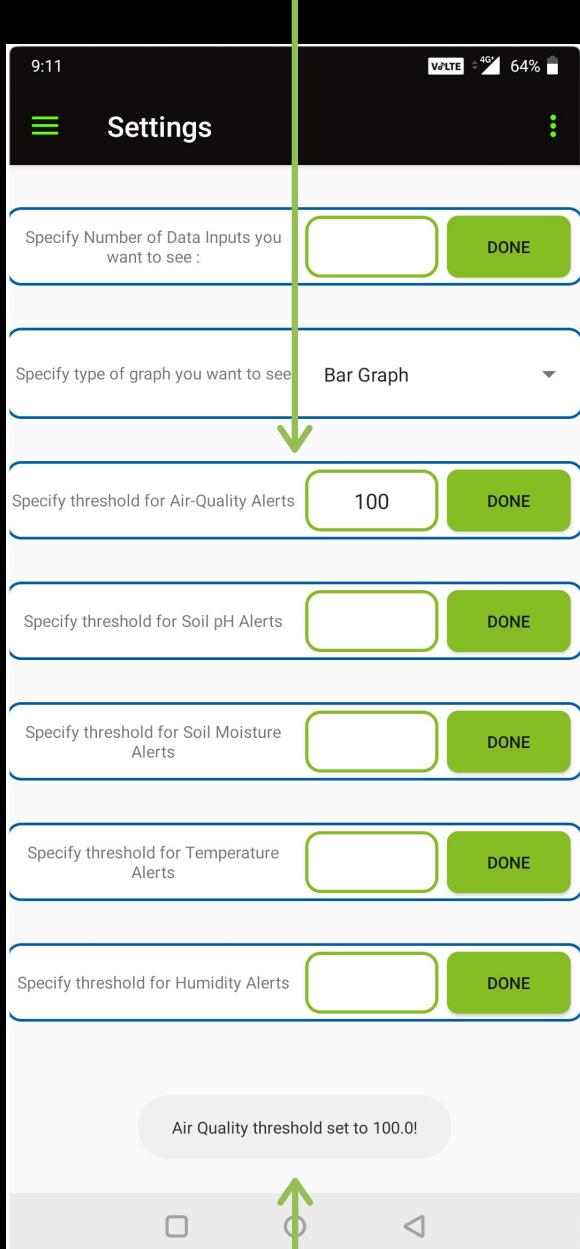
ALERTS can be refreshed by swiping down, this will fetch data from the 'Firebase DataBase'!

Alerts	
Air Quality (47.0) less than 80.0	at 7/3/2018 19:34.
Air Quality (52.0) less than 80.0	at 7/3/2018 19:49.
Temperature (31.73) greater than 30.0	at 7/3/2018 15:04.
Temperature (32.18) greater than 30.0	at 7/3/2018 15:19.
Temperature (31.96) greater than 30.0	at 7/3/2018 15:34.
Temperature (31.2) greater than 30.0	at 7/3/2018 15:49.
Temperature (30.98) greater than 30.0	at 7/3/2018 16:04.
Temperature (30.67) greater than 30.0	at 7/3/2018 16:19.
Temperature (30.19) greater than 30.0	at 7/3/2018 16:34.
Humidity (90.5) greater than 88.0	at 7/3/2018 15:19.
Humidity (88.5) greater than 88.0	at 7/3/2018 19:49.

Alerts are generated whenever feature data exceeds threshold value. These can be changed anytime by setting threshold values for specific feature in the settings.

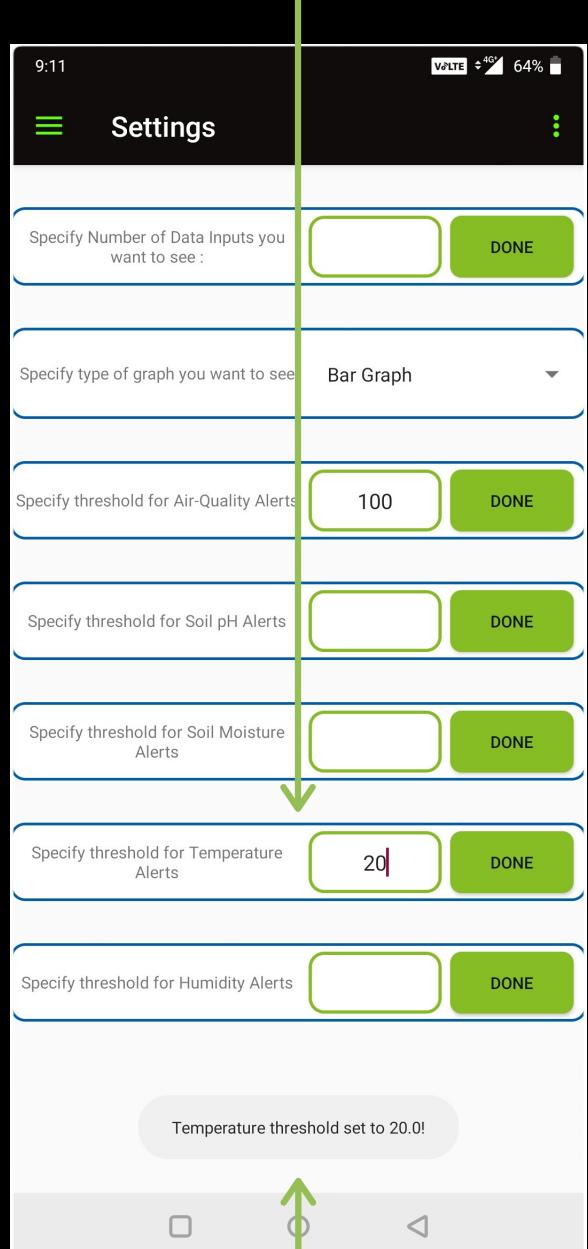


Specifying Air Quality threshold will now show alerts for Air Quality less than specified threshold.



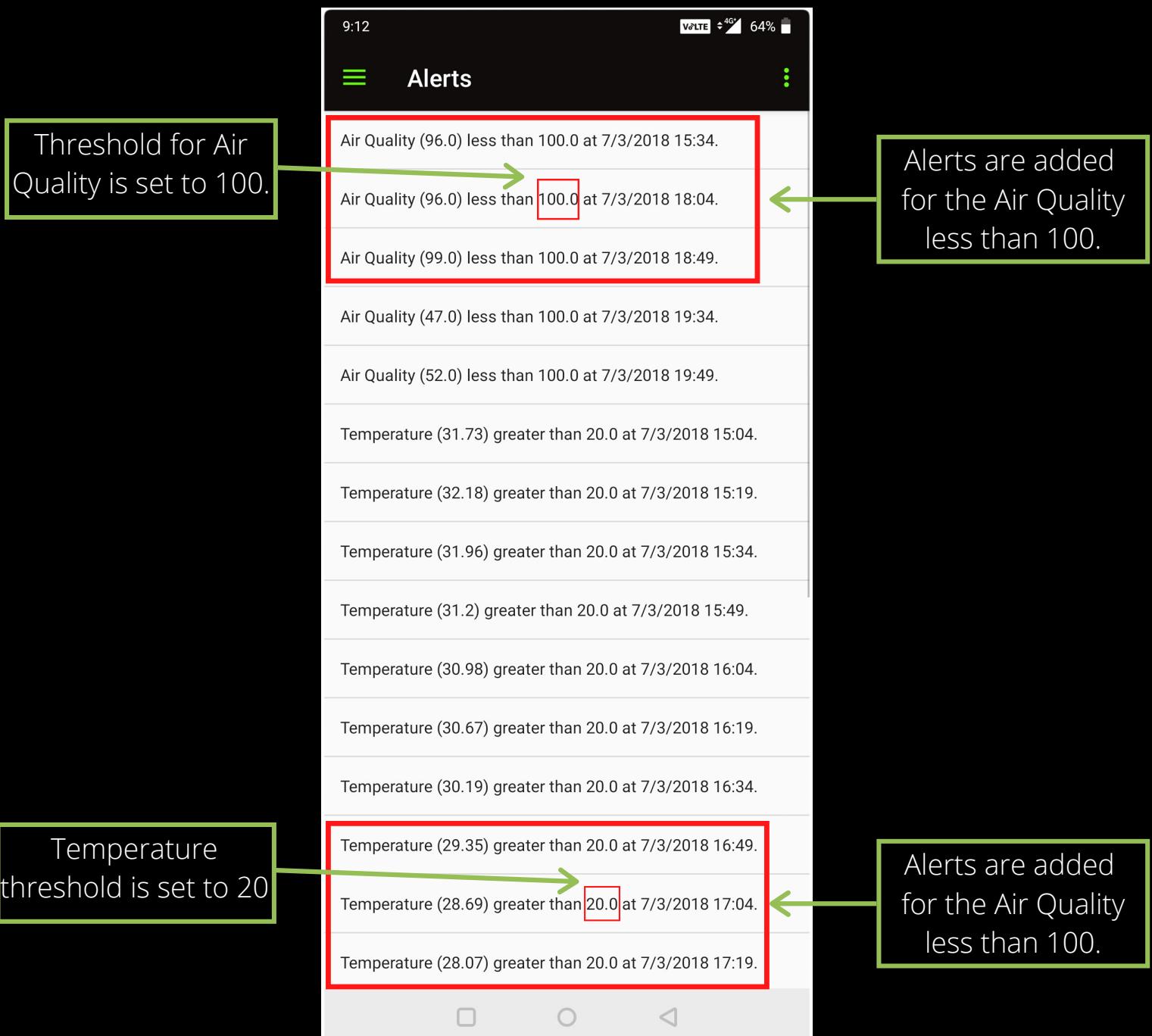
Threshold for Air Quality is set to 100.

Specifying Temperature threshold will now show alerts for Temperature greater than specified threshold.



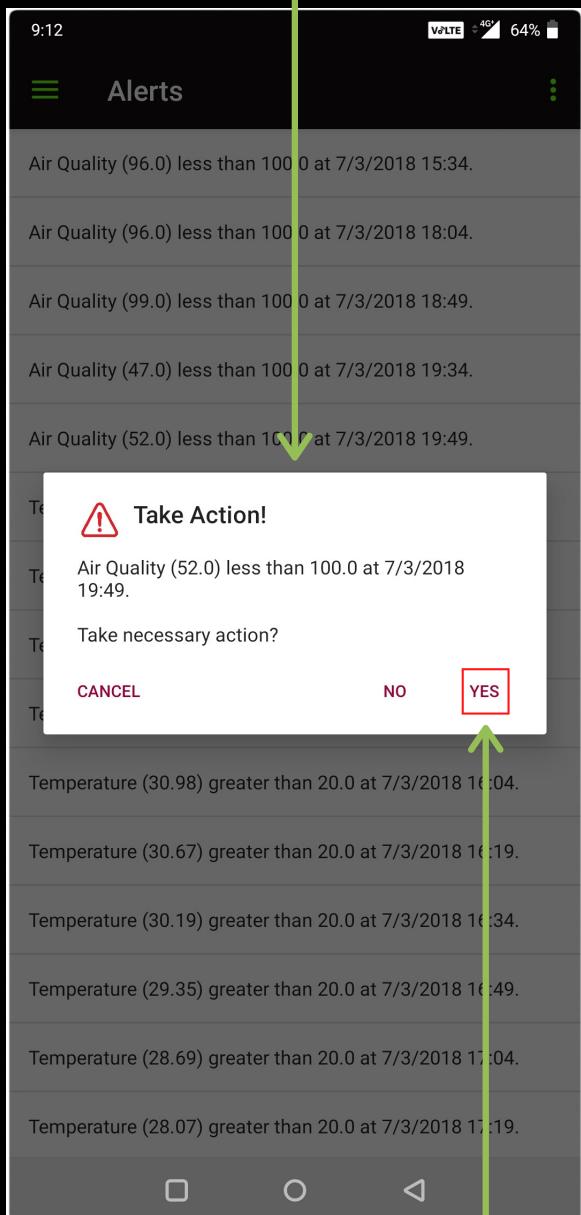
Temperature threshold is set to 20



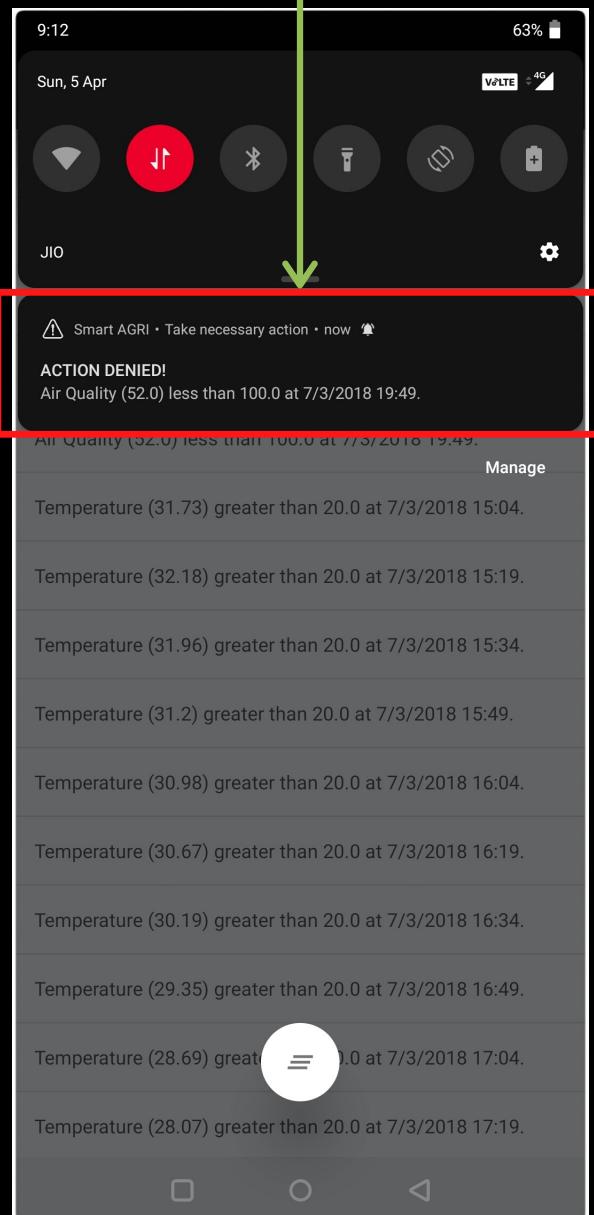


Clicking any alert will open up a prompt asking to take necessary action about that particular alert.

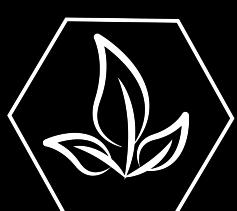
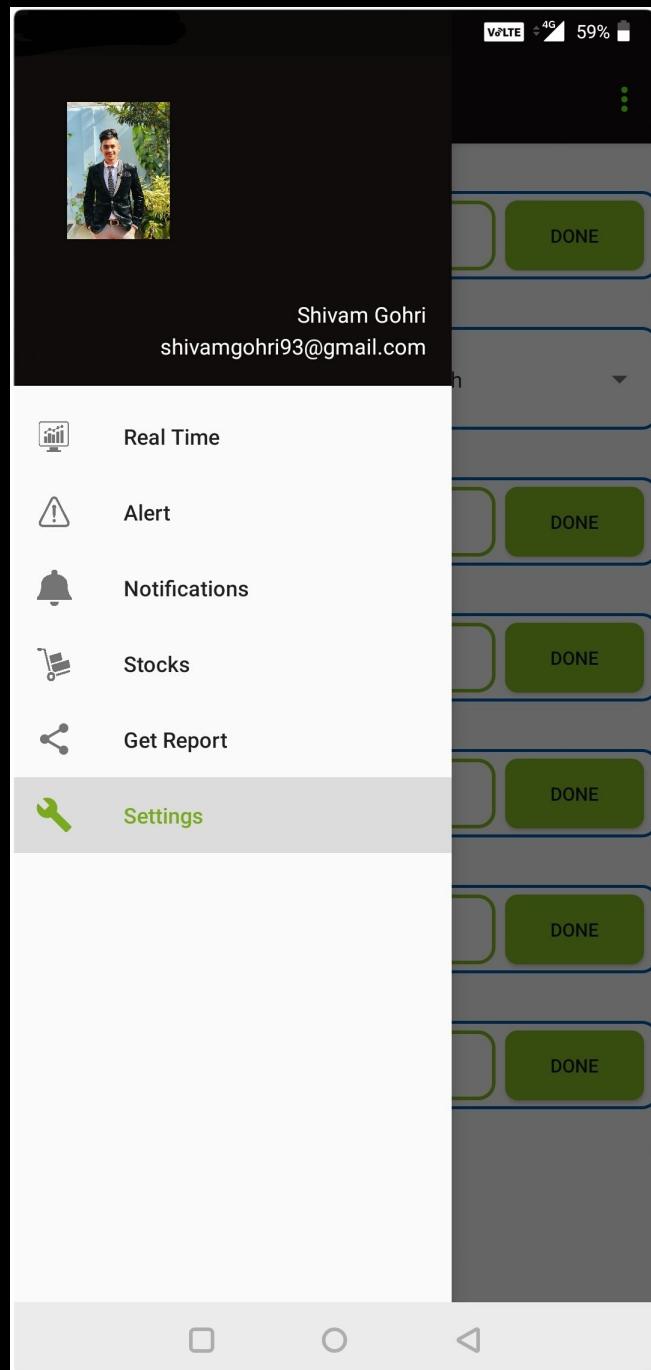
Clicking No will add this denied action to the log file and also will generate a push notification on device.

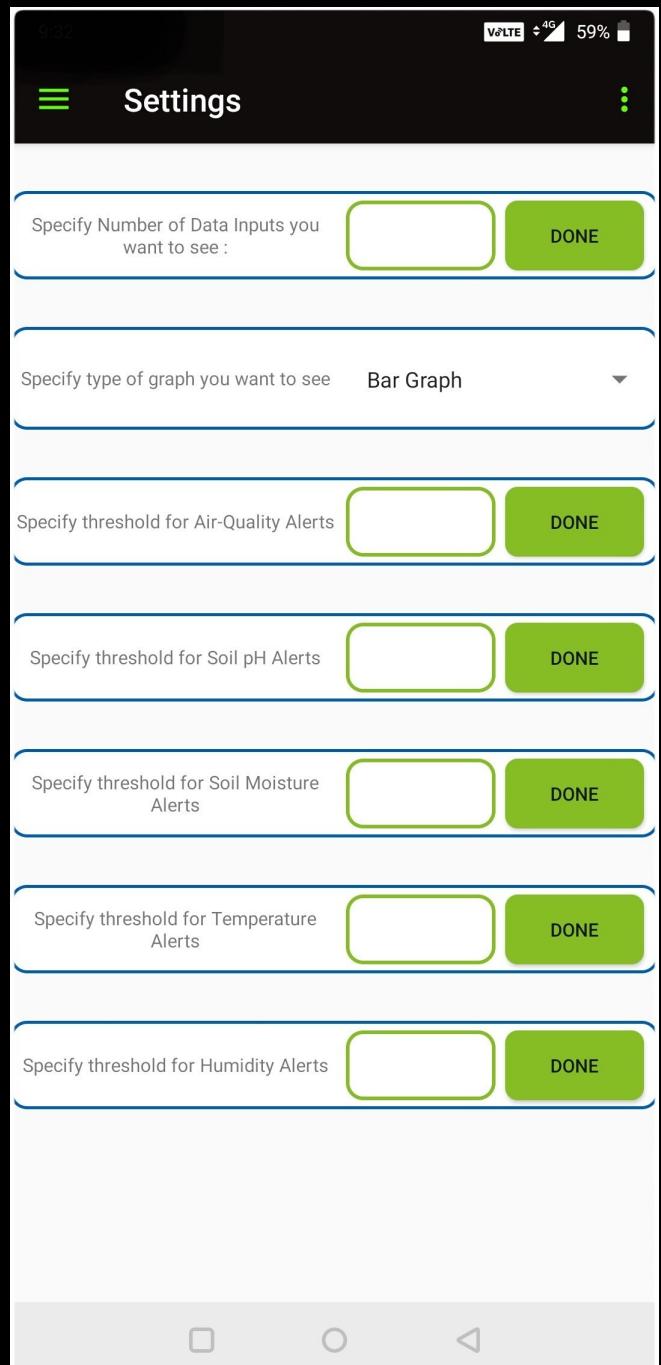


This will take user to field console panel.



SETTINGS





No. of feature data seen in live data page



Type of Graph of the live data.



Threshold for Air Quality Alerts.



Threshold for Soil pH Alerts.



Threshold for Soil Moisture Alerts.



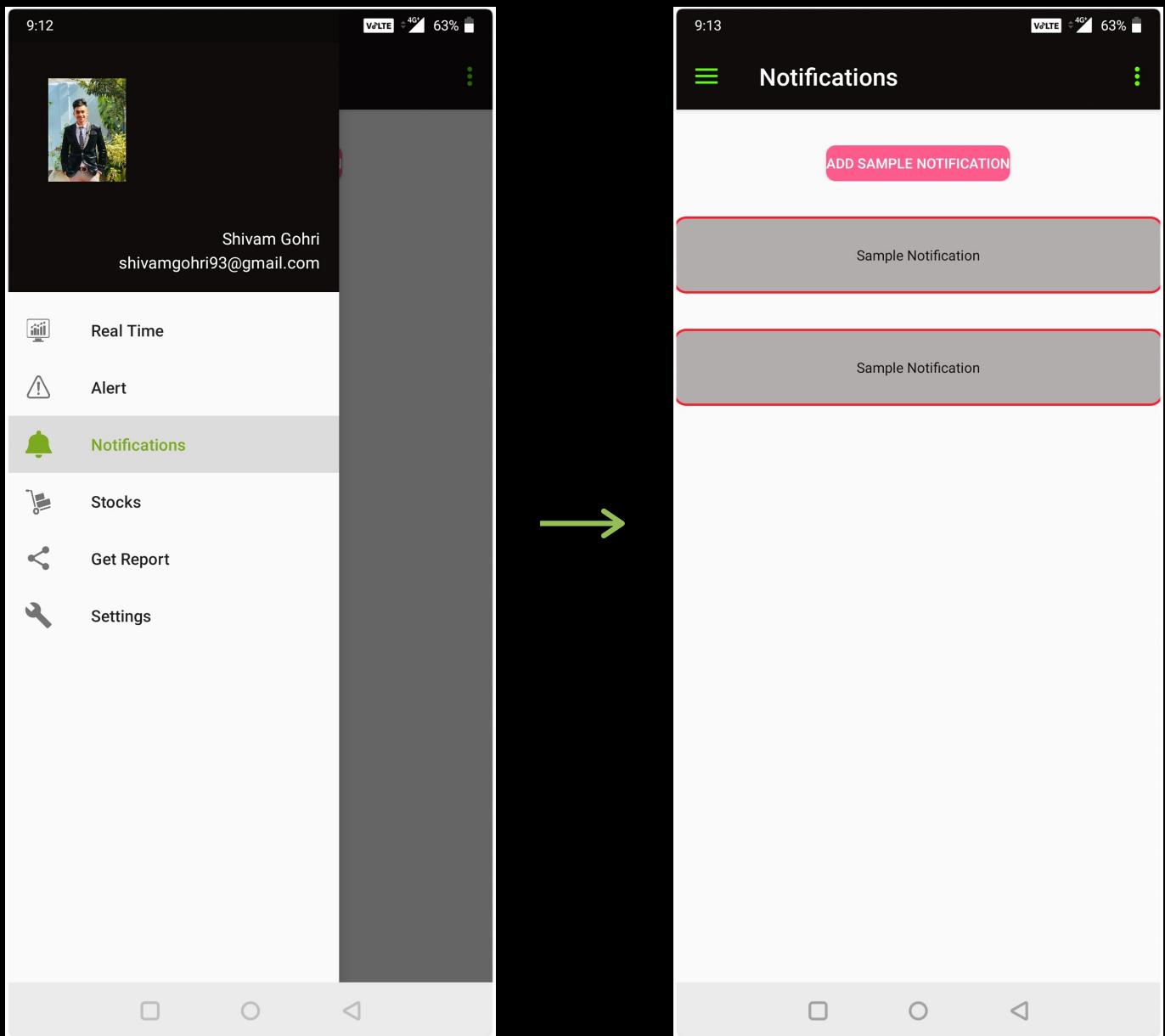
Threshold for Temperature Alerts.



Threshold for Humidity Alerts.



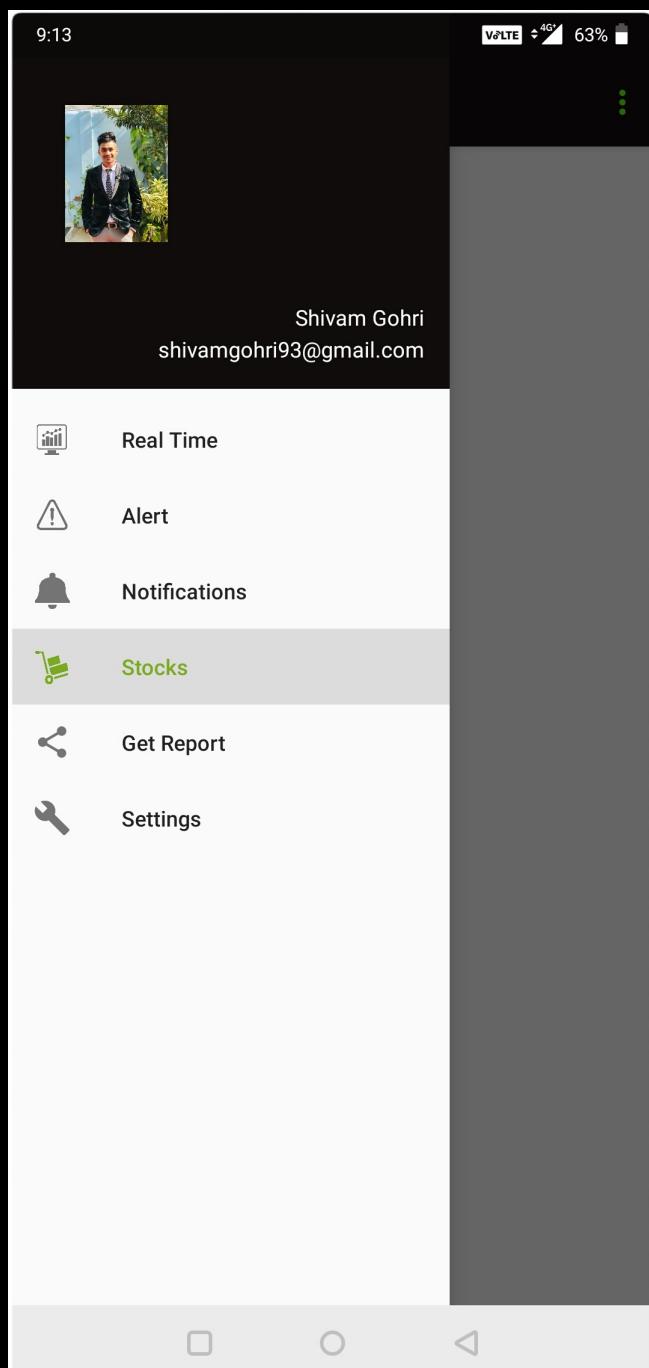
NOTIFICATIONS



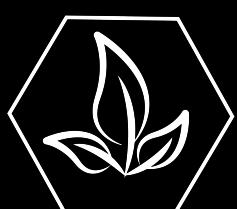
Notifications from government and organisations will appear here. These will be very helpful for field supervisors to get quick information about market.



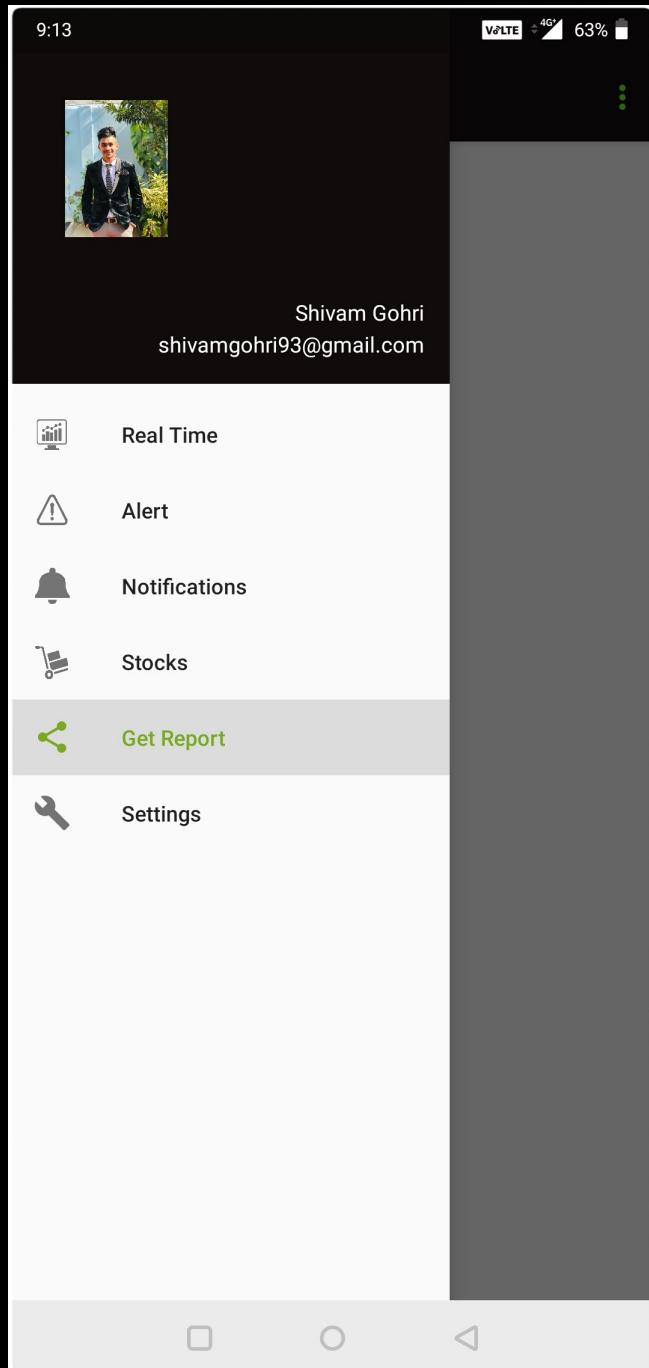
STOCK MANAGEMENT



Stock can be managed from here and all the components will be available here and this will help field supervisor to manage stock properly.



GET REPORT



Overall report for the field will be build and will be available here and this will also contain all the logs and this will be easily exportable to other platforms.



Thank you

