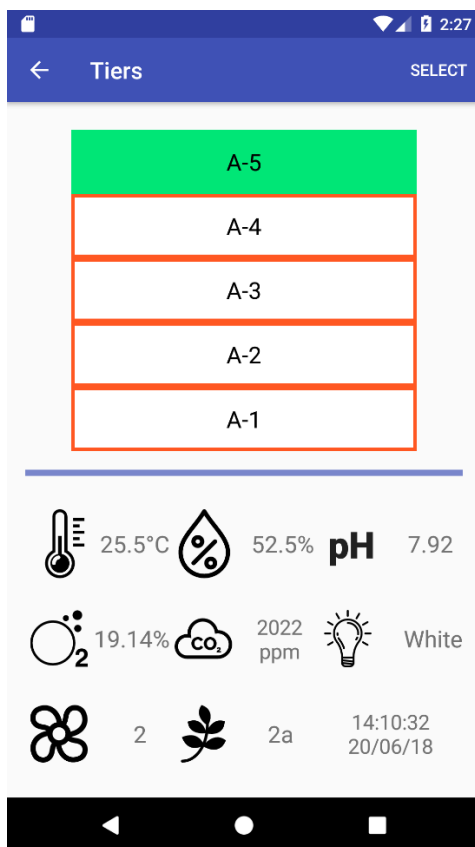


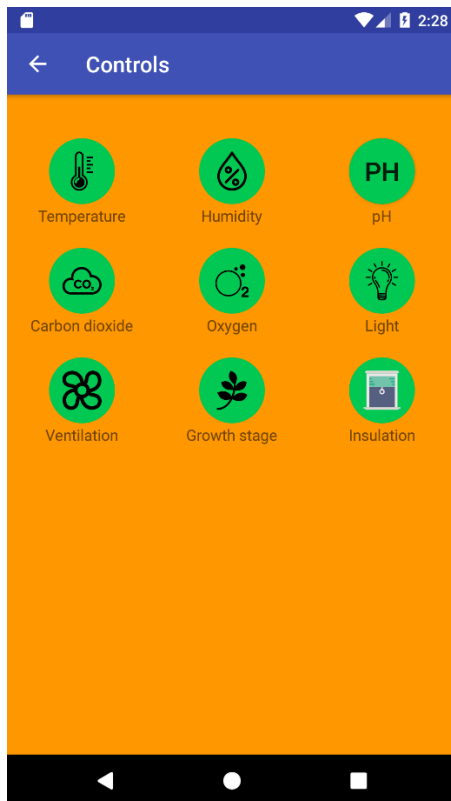
Racks Screen

- Each rack is a button that can be clicked on to go to the Tiers screen.



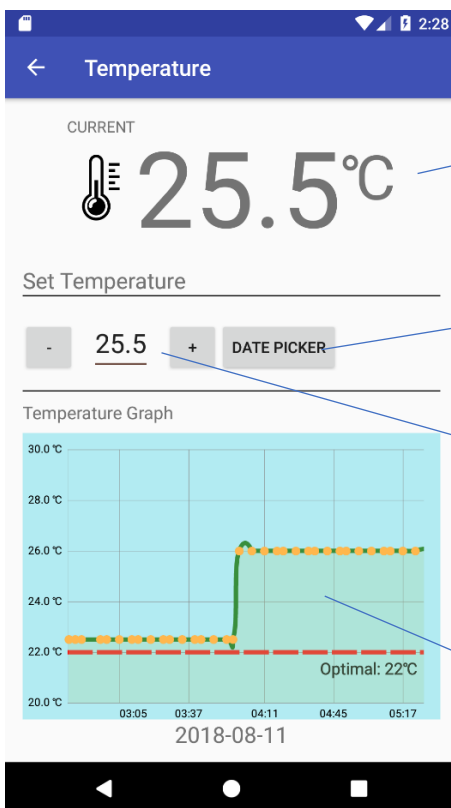
Tiers Screen

- Click on a tier to view real-time sensor values



Controls Screen

Click a button to go into a detailed page for each individual parameter

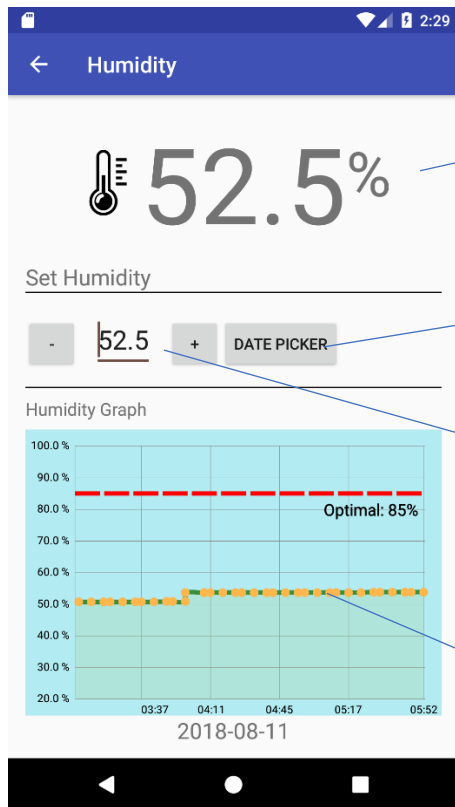


Current temperature value

Select the date to display the data

To allow user to remotely control the ambient temperature of the plant factory environment.

Line chart of temperature against time for the chosen date. The chart allows for comparison between the actual values and the optimal value.

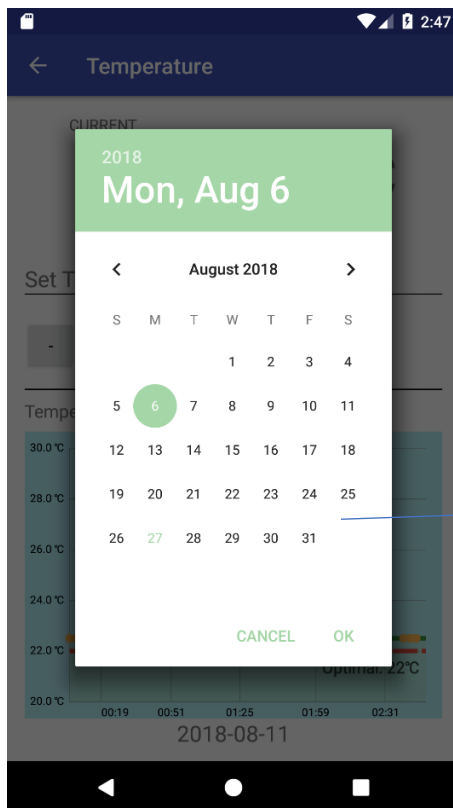


Current humidity value

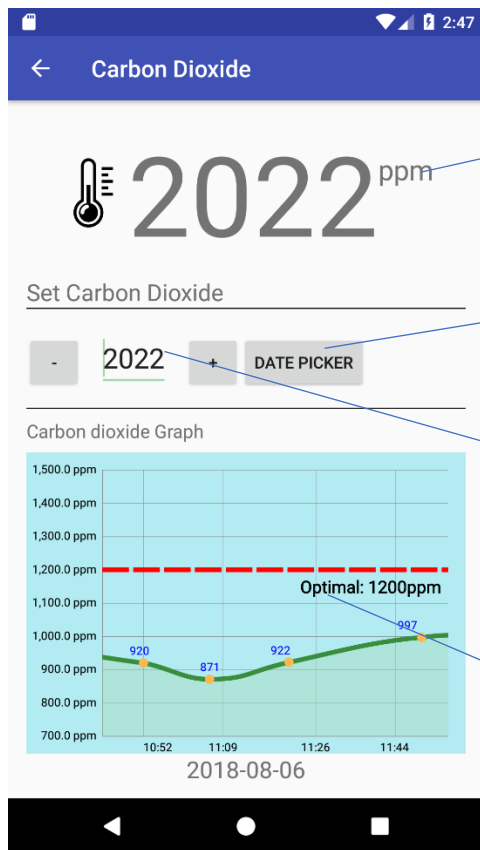
Select the date to display the data

To allow user to remotely control the humidity of the plant factory environment.

Line chart of humidity against time for the chosen date. The chart allows for comparison between the actual values and the optimal value.



Date Picker for the line chart

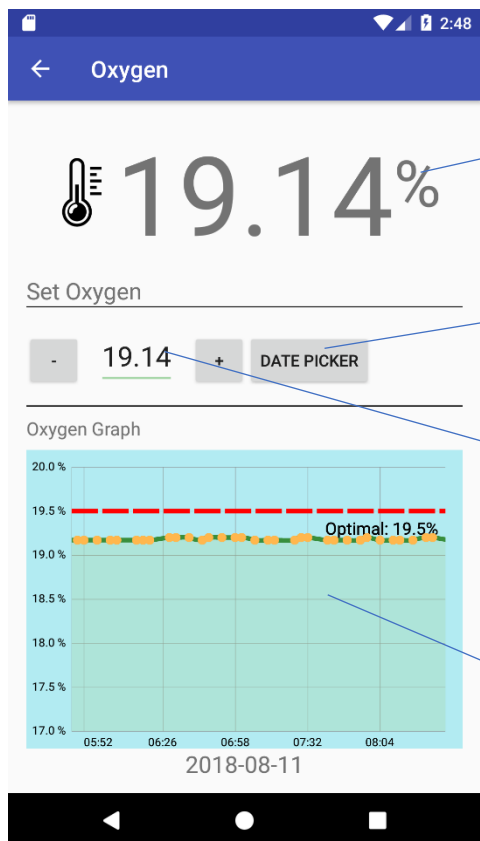


Current carbon dioxide value

Select the date to display the data

To allow user to remotely control the CO₂ of the plant factory environment.

Line chart of CO₂ against time for the chosen date. The chart allows for comparison between the actual values and the optimal value.

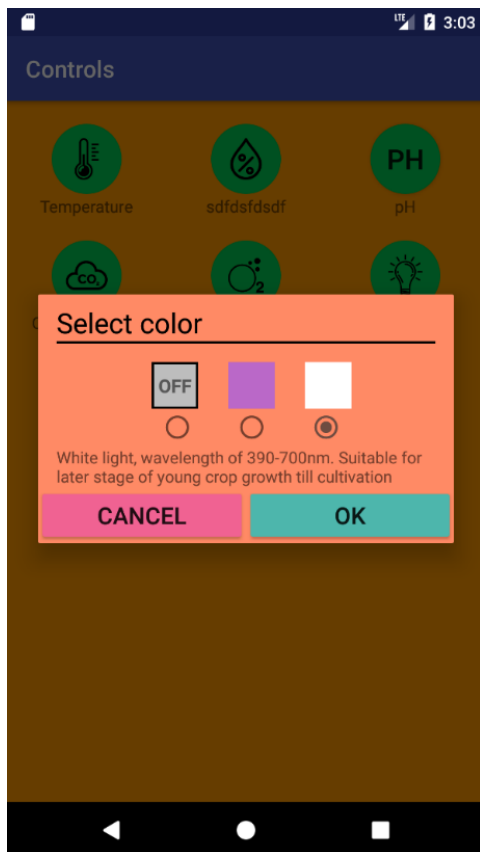


Current oxygen value

Select the date to display the data

To allow user to remotely control the oxygen levels of the plant factory environment.

Line chart of oxygen against time for the chosen date. The chart allows for comparison between the actual values and the optimal value.

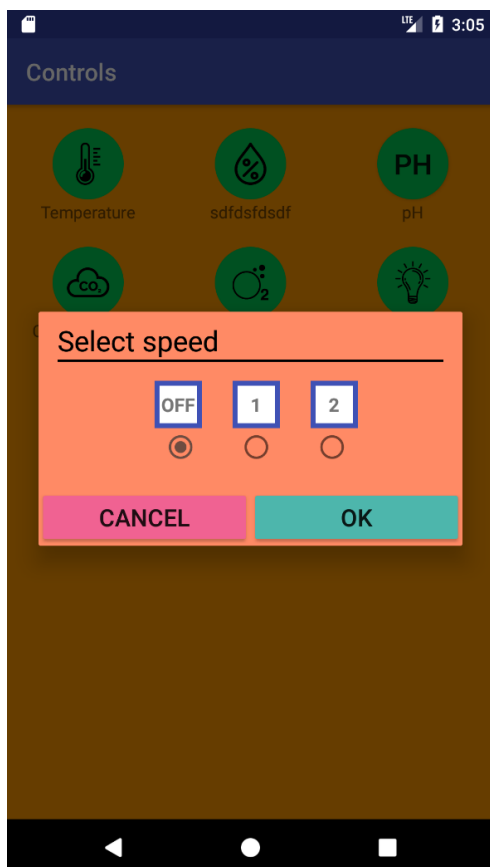


Light Selection

Ability to select white or magenta light or to turn off the light.

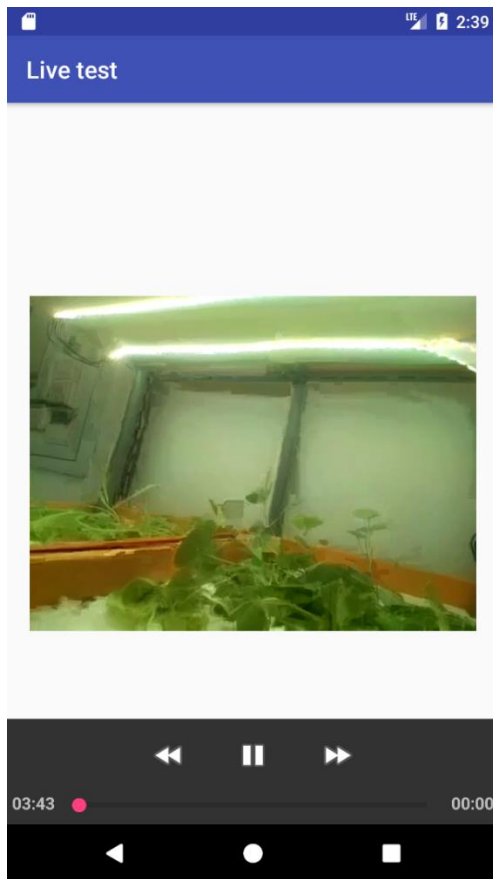
White light has wavelength of 390-700nm and is suitable for late-stage young crop growth till cultivation.

Magenta light has wavelength of 500nm and is suitable for young seedlings.



Variable ventilation control

Pop-up box to control ventilation of the rack.



Real-time video feed

- Live video feed from Raspberry Pi camera to monitor status of the tier.
- Can also be used for computer vision.