

SPRINT – 4

SmartFarmer - IoT Enabled Smart Farming Application

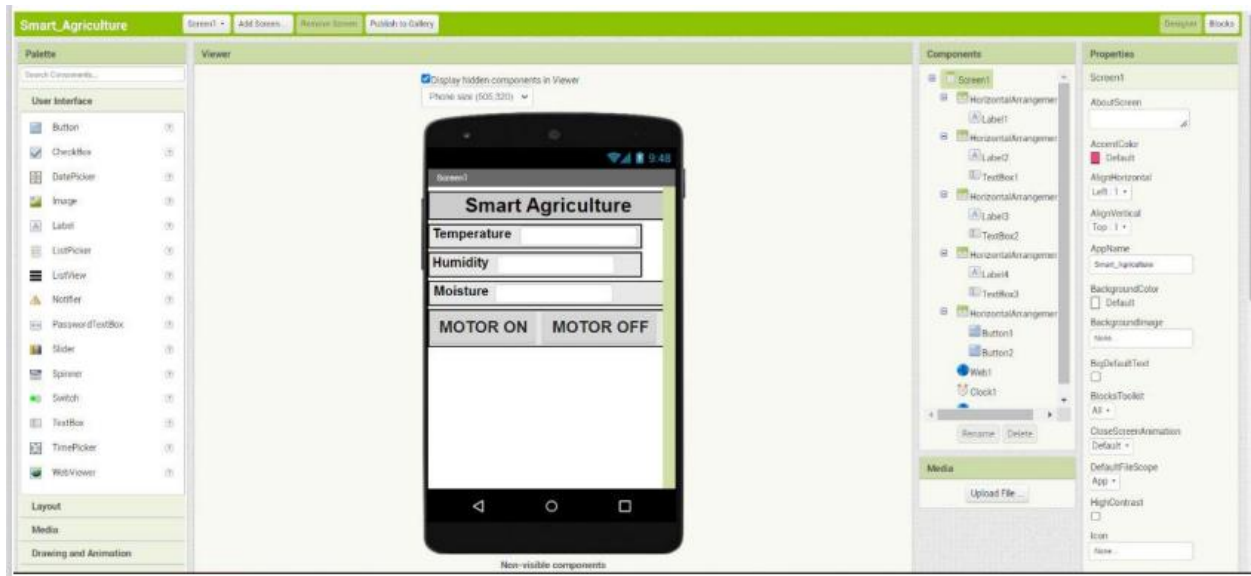
Team ID: PNT2022TMID46217

Receiving commands from IBM cloud using Python program



WEB UI:

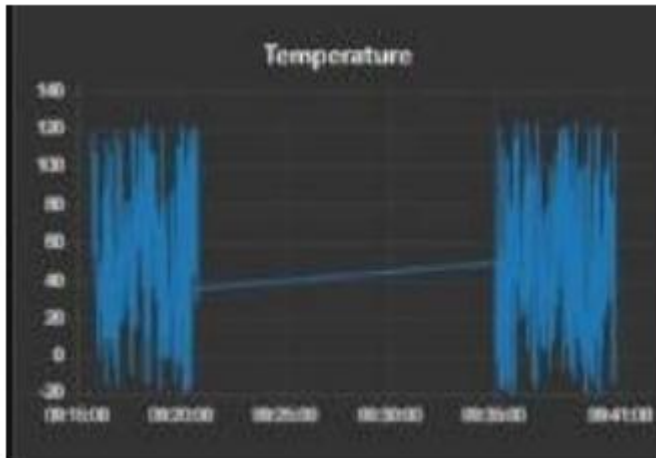




HUMIDITY



TEMPERATURE



SOIL MOISTURE



Advantages:

- Farms can be monitored and controlled remotely.
- Increase in convenience to farmers.
- Less labor cost.
- Better standards of living.

Disadvantages:

- Lack of internet/connectivity issues.
- Added cost of internet and internet gateway infrastructure.
- Farmers wanted to adapt the use of Mobile App.

Conclusion

Thus the objective of the project to implement an IOT system in order to help farmers to control and monitor their farms has been implemented successfully.