## 4. CONCLUSION AND FUTURE WORK

This system includes a working hardware prototype and an android application for irrigation and temperature control. The wireless transmission is achieved using WiFi. The data are retrieved successfully from cloud Firebase, which is used for monitoring purpose. The mobile application paves the way to view the current values of the soil parameters even from remote locations and provides a user interface. By implementing this system we can improve the traditional way of agriculture and establishment of greenhouse system in different regions of India

In future this design will be enabling the user to select the crop and thus the moisture, temperature and humidity content for that particular crop can be viewed and then the controlled based on the threshold value of the moisture and temperature. Further the system can perform data analysis, based on the crops selected and the threshold value is changed automatically.

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