

PEER REVIEW

Summary:

Yes, I agree with your research idea it is perfectly alright to help organic farming. As I can see in your report, your idea is to observe the plants current health conditions by capturing the images using IoT technology. Using algorithms, you are going to decide the health condition of the plants by comparing the images. Plants are dying because lack of observation on it so, here the IoT devices will observe the plants current situation and if there is any abnormal picture recognized by the system then the system will going to alert the human to take measures. It is good to observe climatic conditions for the healthy growth of plants as you mentioned you are going to use drones to alert the farmers when there is any wild life attack and checking the plants and soil conditions using drones. It is better to mention the research questions in your report.

General Limitations and Strengths of the Research:

The report would be clear if you mention the research questions. The research area is very relevant to the stream. Using computer technology in agriculture field is the greatest idea but it seems like you did not research on agriculture domain before you apply the computer science in agriculture.

Strengths and limitations of the Methodology:

The method you have used is very general and already existed in many research papers I did not find any novelty in your research paper. As you mentioned in the Background paragraph 4 that you are going to use drone cameras to alert farmers from wild life attack and disease detection but as you mentioned alerting system should work continuously there should be continuous monitoring as you have used the word “alerting”. We cannot monitor drones 365 days to alert the farmers. As you mentioned in introduction paragraph 2 you are going to detect the disease of the plant before it get damaged it is the best idea for that you are going to use image processing technique weather the plant is healthy or not compared to the healthier plant image. As you mentioned in methods paragraph 8 it is very good idea to use Sumerian service by amazon AWS to detect the plant diseases.

Overall Quality of the Report:

It would be better if you present the report clearly instead of partial report which is difficult for me to understand. I know that you are very clear about this research, but you did not express the report understandably to the persons like me who do not have any prior knowledge about agriculture.

Please get or mention some prior knowledge on the domain what you have chosen “agriculture” to improve the computer technology in it. In my opinion if you are applying computer science in medical field you should mention or get some knowledge on medical field.