Bahria University
Discovering Knowledge

FINAL YEAR PROJECT REPORT

AGRICULTURE'S INCREASED PRODUCTIVITY BY IDENTIFYING PLANT DISEASE USING AGRO MOBILE APP

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ABSTRACT

The crop productivity depends on environmental factors or product resources, such as temperature, humidity, labour. Accurately Identify plant diseases are difficult for farmers without any instrument. But this app is helpful to recognize plants disease. This app explores different types of plants and their diseases and also their preventions. The objective of this project is to develop mobile app to recognize plants diseases. The main modules described in this project are recognizing plant disease through image. The farmer can upload an image of their infected crop and the app will provide identification of disease. This process is done with the help of Android Studio. Agriculture framework is developed that identify disease based on symptoms similarity and recommend a solution based on high similarity. To achieve this objective used Microsoft Custom Vision API. Finally the end product i.e. (for processing images and returning information).

This application is designed for farmers and also it's an open source. Recommendations for future development and conclusions are also included in the report.

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