

TOPIC

Plant disease detection and Prediction system for Farmers

ABSTRACT

Farming is one of the major sectors that influences a country's economic growth. In country like India, majority of the population is dependent on agriculture for their livelihood. Many new technologies, such as Machine Learning and Deep Learning, are being implemented into agriculture so that it is easier for farmers to grow and maximize their yield. In this project, I present a website in which the following applications are implemented; Plant disease prediction, Crop yield prediction and Crop recommendation system respectively. In the plant disease prediction application, the user can input an image of a diseased plant leaf, and the application will predict what disease it is and will also give a little background about the disease and suggestions to cure it. In Crop yield prediction we predict almost all kind of crops that are planted in India. We provide the simple parameters like state, district, area, season for the prediction. In this we use authenticated datasets provided by data.gov.in. The last application in the crop recommendation system, the user can provide the soil data and the climatic data from their side and the application will predict which crop should the user grow. The application will predict what crop it is and will also give the additional factors that influence the particular crop.