

# **LITERATURE SURVEY**

## **Fertilizers Recommendation System For Disease Prediction**

**Team ID: PNT2022TMID46681**

### **Soil Based Fertilizer Recommendation System for Crop Disease Prediction System**

*Dr.P. Pandi Selvi , P. Poornima*

In recent days, the field was going down due to various natural calamities. In order to overcome the problem, various issues in this field need to be addressed. The soil type, fertilizer recommendation, diseases in plants and leaves. All these features need to be considered. Our proposed system was organized in such a way, to analyze the soil type, diseases in the leaves and finally to recommend the appropriate fertilizer to the farmers, that may be of great help to them.

### **Crop and Fertilizer Recommendation and Disease diagnosis system using Machine Learning and Internet of Things**

*Taranjeet Singh, Saurabh Anand*

Proposed system will have a device which gives pH value and we will estimate Nitrogen (N), Phosphorus (P) and Potassium (K) from the pH of that soil. System using Machine Learning classification algorithm to predict suitable crops based on the values get from device and will also provide suitable fertilisers required for that land.

### **A Recommended System for Crop Disease Detection and Yield Prediction Using Machine Learning Approach**

*Pooja akulwar*

The collaboration of recommender system with machine learning will lead to Intelligent Agriculture System that helps the farmer community in their decision making of farm management and agribusiness activities.

# **Fertilizers Recommendation System For Disease Prediction In Tree Leave**

*R. Neela, P. Nithya*

The leaf disease is an important role of agriculture preservation. After pre-processing using a median filter, segmentation is done by Guided Active Contour method and finally, the leaf disease is identified by using Support Vector Machine. The disease-based similarity measure is used for fertilizer recommendation.