A

SYNOPSIS

on

Farming Friend

**Project: - Farming Friend**

**INTRODUCTION:**

* The project Farming-Friend includes Whether Forecasting, Crop prediction, Suggesting plant treatment, Agricultural OLX.
* One of the most important thing in farming is whether. User can see whether in our Farming Friend application which will be fetched using API. Also user will get notification of every days whether.
* The decision of planting crops is another important thing. Our Application will predict which crop should be planted on the users land. We will be using Data Science and Machine Learning technique for Crop Prediction. Specially Supervised machine learning technique which takes some features as input and predict the output.
* After growing plants if it has some disease, our application will also tackle that situation. User just needs to upload some pictures of plant on our application and our application will predict the disease using image processing technique and also suggest the required treatment.
* Our application will also provide the facility of Agricultural OLX. That means users can buy and purchase the agricultural equipment such as tractors, Bulls and many other things. So users can also earn by selling their equipments.
* Additionally our application will also give the market information to the user. Like at which region what price of crop is? So with help of this they can get more profits.

**OBJECTIVES:**

* The main objective of Farming Friend is to provide various facilities to the user, Get more profit, Help them by giving whether information, crop information, and also plant treatment.

**Technologies:**

* Data Science and Machine Learning
* React
* API
* Image Processing
* Database

**MATERIAL AND METHODS:**

* STUDY DESIGN :
* SETTING : Research work is to be conducted on google meet
* DURATION OF STUDY : Approximately 2 weeks
* DATA COLLECTION PROCEDURE: The data has collected from the internet.

**REFERANCES:**

* Google
* Some Farmers