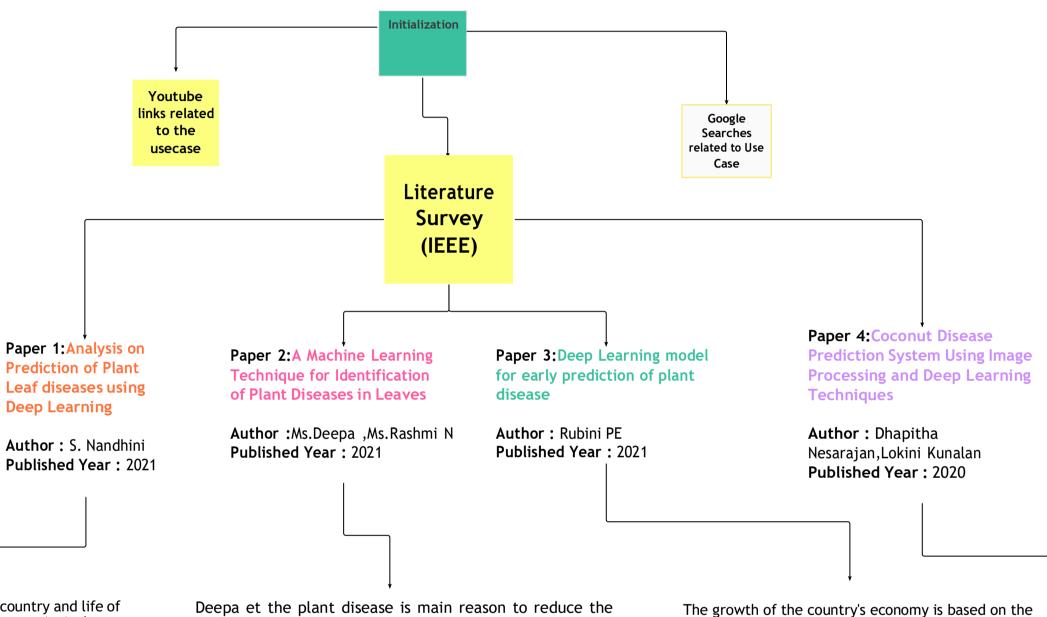
Ideation Phase Ideation

Date	17 September 2022
Team ID	PNT2022TMID30319
Project Name	Project - Fertilizers Recommendation System For Disease Prediction
Maximum Marks	4 Marks

Ideation Process:



Ideation

Nandhini et the economy of the country and life of the human beings are depends upon Agriculture. Impropermaintenance and lack of awareness may leads to the loss of productivity and quantity of the agricultural products. The problems like infections on the plants and diseases caused to the plants may have the solutions that can be provided by the agroscientists. Deep learning architectures are used to solve these kind of problems and give a solution for the plants by recommending a fertilizers of the affected plants. By using this system, we can chieve a 93% accuracyand it is also effective method for protecting a agriculture.

Deepa et the plant disease is main reason to reduce the income to the farmers. Currently scientist to research to find the best mechanism to the find the diseases in plant. This paper attempts to approach machine learning techniques. The first step is collect the data set into the villages. Then preprocess the images and extract the images in standard deviation using matlab commands. Dataset is used for training is taken from internet. Then the selected images to be clustered and measure the distance the diseases in leaves. Finally classifies the images in SVM (Support Vector Machine). It shows the disease actual name perfectly.

The growth of the country's economy is based on the agriculture. The farmers are facing many issues like change in weather, climatic changes, plants affected by the disease. And also there is solution like weather forecasting, disease prediction, phenology identification for those problems. Monitoring the plants for identifying the disease on the daily manner is not an easy task, so there is alternate solutions for disease detection of the plants. Deep learning mechanism is used to identify whether the plant is healthy or unhealthy and what kind of disease is caused and also its recommends a solution for that disease. The samples of the leaves are collected and the images are pre-processed.

Dhapitha Nesarajan et crop production is most important economy of a every country. Our main intension is enhance the farming method into new modern technology. The continuous plant monitor using AI to avoid crop production down. In recent times crop production is heavily down. Because the plant diseases are increased. We develop a mobile application to suggest suitable fertilizers to the predicted disease. In this project first we have collect the input images. Then images are to be extracted like RGB to grayscale. The extracted images to be segmented. After extraction images sent it to the SVM classifier. It classifies the images and suggest actual fertilizers and using open CV for continuous plan monitor and finally app shows the message.