PROJECT PLANNING PHASE
PROJECT MILESTONE AND ACTIVITY LIST

Date	22 October 2022
Team ID	PNT2022TMID53344
Project Name	Project - Fertilizers Recommendation System For Disease Prediction
Maximum Marks	8 marks

MILESTONE:

Over the years, technology has proved to be extremely useful in the field of Agriculture. Specifically, Artificial Intelligence and Deep Learning are playing as a support system to farmers and the agriculture sector. Predicting crop diseases using Artificial Intelligence will definitely provide the best solution.

Farmers can identify the disease damaging their crop yield and take necessary actions to prevent it in the future by using the Fertilizers Recommendation System for Disease Prediction. First, several crop images are provided to the system using deep learning techniques to analyze and anticipate the disease, then it is suggested that a fertilizer be used to help the crops recover. Consequently, this system might be viewed as a farmer-friendly one.

Our project's milestone is to develop an automated system that offers the best way to recognise various crop diseases by examining the signs that can be deduced from crop images, then suggests the most effective treatment to address the problems. Additionally, it recommends taking precautions to prevent the diseases.

Our main goal is to identify the crop diseases as precisely as possible and to recommend a fertilizer that aids in quick crop recovery.

ACTIVITY LIST:

The planning phase of the project management is a basis step to build the project roadmap, project plan, scope etc.

The project is executed in four sprint models. In each sprint model, we develop the planned features within the deadline. In each phase we do project vision, release planning, planning, implementation, review, retrospect.

In the implementation stage, works are reserved among team members.

The development phase is divided into two phases as follows:

PHASE 1 (BACK-END):

Stage 1: Refining the data
Stage 2: Analyzing various deep learning techniques
Stage 3: Determining the accuracy of predicting the diseases
Stage 4: Developing the model and deploying it in cloud

PHASE 2 (FRONT-END):

Stage 1: Developing the User Interface with static details
Stage 2: Verifying the User Experience
Stage 3: Integrating back end with front end
Stage 4: Finally, Checking for the dynamic and user friendly interface.