Ideation Phase
Define the Problem Statements

Date	06 May 2023
Team ID	NM2023TMID15563
Project Name	Deep Learning Model for Detecting diseases in Tea Leaves
Maximum Marks	2 Marks

PROBLEM STATEMENT:

Tea is one of the most widely consumed beverages in the world, and tea farming is an important source of livelihood for millions of people. However, tea plants are susceptible to various diseases, which can cause significant crop losses if not detected and treated in a timely manner. The current methods for detecting diseases in tea leaves are manual and time-consuming, and often require the expertise of trained professionals.

To address this problem, we propose to develop a deep learning model for detecting diseases in tea leaves. The model will be trained on a large dataset of labeled tea leaf images, and will use convolutional neural network (CNN) architecture to accurately classify the images based on the presence of diseases. The model will be designed to be cost-effective and user-friendly, allowing farmers to easily use it in the field to quickly detect and diagnose diseases in their crops.

The main objective of this project is to provide a reliable and accurate solution for detecting diseases in tea leaves, which will help farmers to take timely actions and prevent crop losses. By automating the disease detection process, we aim to save farmers time and resources, and ultimately increase their crop yields and incomes.