CROP DETECTION

USING AI AND ML

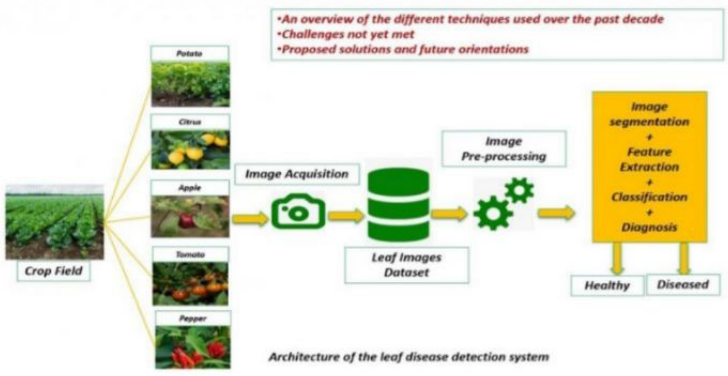
INTRODUCTION

The production of crops gets affected by the presence of pests which results in large scale plant and crop disease. Hence, some methods/techniques are needed to be developed to make some precautionary steps to detect pesticides, crop/plant diseases and quality of crops through advanced technologies like Artificial Intelligence and Machine Learning.

METHODOLOGY

*ARTIFICIAL NEURAL NETWORK
*RECURRENT NEURAL NETWORK
*SMART SENSORS

WORKFLOW



Architecture of the leaf disease detection system

PROBLEM STATEMENT

Diseases in plants are a major concern to the farmers these days. They are not sure which pesticide is needed to treat a particular diseased plant. This results in spraying wound pesticides, damaging the plants which affects the plant yield.

OBJECTIVE

The main objective is to build a crop/leaf disease detection system using methodologies of artificial intelligence and machine learning that will help in detecting pests, disease and quality of crop through image acquisition.