



C . O . D . S

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## T-112

**Problem Statement :** Misdiagnosis of many diseases had lead to misuse of chemicals that lead to emergence of resistant pathogen strain. Also this eventually costs high to farmers and Significant loss to the farm produce. Manual Disease diagnosis based on Human labour is time consuming and expensive.

**Abstract for solu;on :** The solution to the above the problem is by creating creating a computer vision based model to have a greater efficiency. The idea of the problem is to train a model using images of dataset to do the following tasks:

1. Accurately classify the given image of leaf by testing it with the image of leaf in Dataset and catagorise it as healthy leaf or diseased.
2. Accurately distinguish between diseased leaf
3. Dealing with the symptoms and class of disease.
4. Considering the wide vision perception of angle, light, depth of leaf.
5. Output will be identification of disease, its spread, and imformation, about its cure using computer vision.