

Project Design Phase-II

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TEAM ID	Team-592327
Project Name	Deep Learning Model For Detecting Diseases In Tea Leaves
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Solution Architecture:

It optimises the disease classification process by leveraging CNNs for real-time image-based classification. It not only enhances identification accuracy but also improves the efficiency of disease classification and treatment process, contributing to better crop management, and reduces the decision making time of farmers to counter the harm caused by diseases. The continuous learning loop ensures that the system adapts to an evolving list of diseases for Tea leaves and maintains high classification accuracy.

Our solution leverages Convolutional Neural Networks (CNNs) for detecting diseases In Tea Leaves effectively.

- Data Gathering
- Image Preprocessing
- Model Building
- Tea Leaf Disease detection
- Real Time Analysis

Solution Architecture Diagram

