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Real Time Plant Leaf Disease Detection System with Raspberry Pi

Gourav Suryakant Mhetar, Shivaraj Ramesh Koli, Prachi Dhanaji Patil, Vaishnavi Ashok Patil.

Students, Department of Electronic & Tele-Communication Engineering

PadmabhooshanVasantraodada Patil Institute of Technology (PVPIT), Budhgaon, Sangli

Dr. A. G. Patil

Assistant Professor, Department of Electronics & Tele-Communication Engineering PadmabhooshanVasantraodada Patil Institute of Technology (PVPIT), Budhgaon, Sangli

Abstract: This project presents a real-time plant disease detection system using deep learning and computer vision. The system captures live images of plant leaves through a camera and processes them using a trained convolutional neural network (CNN) model. It accurately identifies diseases by analysing patterns and symptoms on the leaf surface. The system provides instant feedback to farmers via a user-friendly interface. This aids in early diagnosis and improves crop management and yield.

Keywords: Raspberry pi, SD Card, Camera, HDMI cable



