

LEAF PEST DETECTION AND CONTROL USING MACHINE LEARNING ALGORITHM

Project Co-ordinator:

MRS.A.SANGEETHA

(Assistant professor, PSNACET)

Guided by,

DR.K.SELVARAJ

(Professor, PSNACET)

Submitted by,

C.LEKA PREETHI

D.RAMUPRIYANKA

A.SANGEETHA

Abstract

India's most of the farmer grow sugarcane but did not get yielding due to bugs and larvae in sugarcane. Insect infestations threaten yield efficiency in agricultural areas. Since insects massively reproduce, they not only reduce crop yield and quality, but expenditures made for biological pesticides form a huge portion of the total expenses. However, from the long-term perspective, blind chemical pest control on agricultural areas have turned out to be less than miraculous. Widespread adoption of chemical pesticides contributed to unprecedented increases in crop yields, but also resulted in the poisoning of farmworkers and rural residents. Adoption of chemical pesticides resulted in contamination of food and drinking water. The agriculture pest monitoring is a system which monitors the amount of pest in farming land in the particular fields. It sends the calculates the amount of pest present in a field and suggest the amount of pesticide to be sprayed. In this project, we propose an effective Convolution Neural Network (CNN) based hand-held mobile pest monitoring system to detect and classify the pest. The main advantage of the proposed system detects and gives the solution effectively.