PLANT LEAF DISEASE DETECTION AND AUTOMATICFERTILIZATION USING ARDUINO CONTROLLER

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ABSTRACT:

Terrace gardening is the modern implementation in city side. City people may not aware of inflected plants. This paper is to explore the leaf disease detection. Plant diseases can be detected by image processing technique. We propose an enhanced k-mean clustering algorithm to predict the infected area of the leaves. Disease detection involves steps like image acquisition, image pre-processing, image segmentation, feature extraction and classification. The main challenge is to detect the disease and improve the quality and quantity of the product by giving correct pesticide and its name.

Keywords: K-mean clustering, image acquisition, image preprocessing, image segmentation, classification

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