**CROP DISEASE DETECTION**

*A Mini project Report submitted in partial fulfilment of the requirements*

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**ABSTRACT**

Modern technologies have given human society the ability to produce enough food to meet the demand of more than 7 billion people. However, food security remains threatened by a number of factors including climate change, plant diseases and others. Plant diseases are not only a threat to food security at the global scale, but can also have dangerous consequences for smallholder farmers whose livelihoods depend on healthy crops. In the developing world, more than 80 percent of the agricultural production is generated by smallholder farmers and reports of yield loss of more than 50% due to pests and diseases are common.

Computer vision, and object recognition in particular, has made tremendous advances in the past few years. Deep neural networks have recently been successfully applied in many diverse domains as examples of end to end learning. The main aim of this project is to detect crop disease which in turn reduce huge losses for the farmer. For the detection of crop disease CNN is used in this project.