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To design and analysis of plant disease diagnostic using machine learning

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Abstract:

In pharmaceutical research, leaf disease detection is necessary and an important topic for research because it has advantages in monitoring crops in the form and thus it automatically detects symptoms of disease by image processing by k-means clustering algorithm. The term disease means the type of damage to the plants. This Paper provides the best method for detection of plant diseases using image processing and alerting about the disease caused by sending email, SMS and displaying the name of the disease on the monitor display of the owner of the system.

To upgrade agricultural products, automatic detection of disease symptoms is useful. The design and analysis of these technologies is totally automatic and it will significantly help in the machine learning application. It will reduce the cost required for the pesticides and other products. This will lead to an increase in productivity of the farming.

Keywords:

CNN, KNN, ML, Disease, yield.