Project Flow

FERTILIZERS RECOMMENDATION SYSTEM FOR DISEASE PREDICTION

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A digital camera or similar devices are used to take images of different types, and then those are used to identify the affected area in leaves. Then different types of image-processing techniques are applied to them, and the process of those images, to get different and useful features needed for the purpose of analyzing later-Plant leaf disease identification is especially needed to predict both the quality and quantity.
The first segmentation step primarily based on a mild polygonal leaf model is first achieved and later used to guide the evolution of an energetic contour.

Combining global shape descriptors given by the polygonal model with local curvature-based features, the leaves are then classified overleaf datasets. This research work introduce a method designed to deal with the obstacles raised by such complex images, for simple and plant leaves. A first segmentation step based on a graph-cut approach is first performed and later used to guide the evolution of leaf boundaries, and implement a classification algorithm to classify the diseases and recommend the fertilizers to affected leaves as shown in Figure 1.

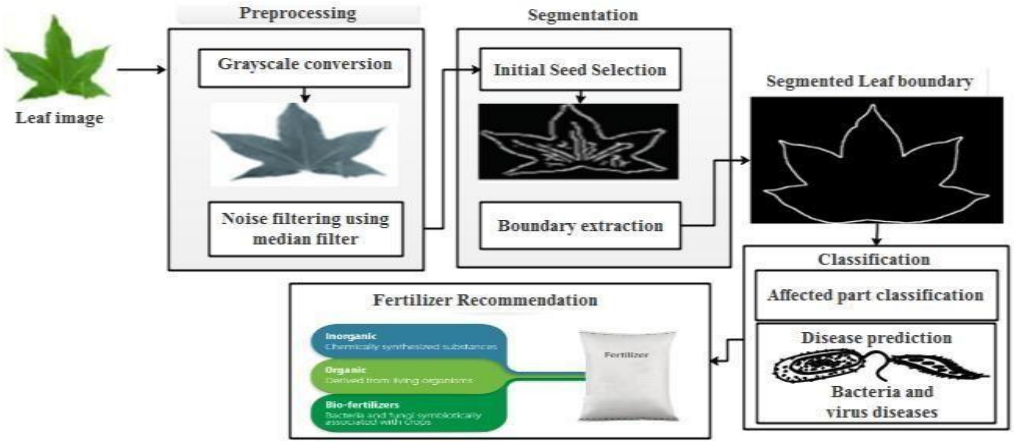

Figure.1 *Proposed Architecture*