Project Flow

Date	16 November 2022
Team id	PNT2022TMID31637
Project name	Fertilizer recommendation system for disease prediction
Maximum marks	4 marks

Photos of various kinds are taken using a digital camera or similar tools, and those images are then utilized to spot the damaged region in leaves.
Then, several image-processing techniques are used to analyze the photos in order to extract various and valuable attributes needed for further analysis.
In order to anticipate both the quality and quantity of plant leaves, it is especially important to identify their diseases. The first segmentation stage is based mostly on a moderate polygonal leaf model, which is first obtained and then utilized to direct the evolution of an energetic contour.

The leaves are then categorized using overleaf datasets, which combine global form descriptors provided by the polygonal model with local curvature based characteristics.
Introduce a strategy used in this research project to overcome the challenges posed by such complex pictures, for simple and plant leaves.
In order to diagnose illnesses and suggest nutrients for afflicted plants, a preliminary segmentation phase based on a graph-cut technique is initially carried out. This process is then utilized to direct the evolution of leaf boundaries.

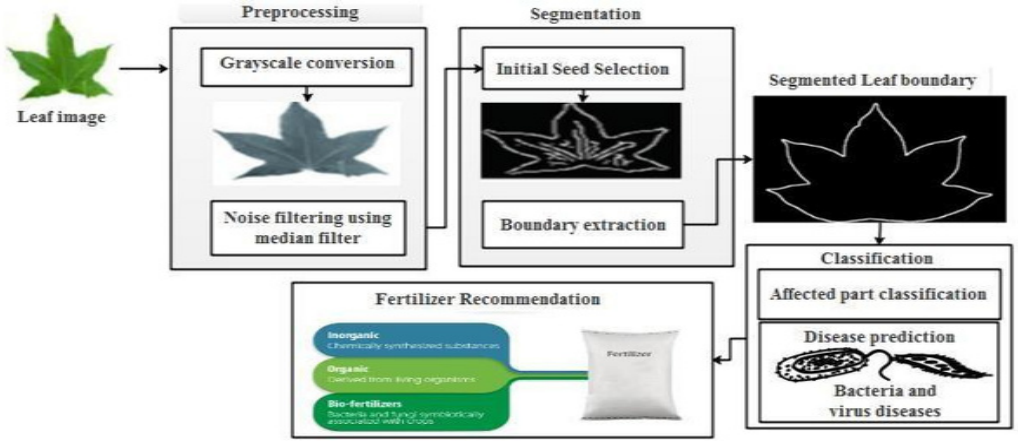

Figure.1 *Proposed Architecture*