RICE CROP DISEASE DETECTION

Date: 27 May 2021

V.RESHMA REDDY : 17WH1A0588
CH.SRAVANI : 17WH1A05A5
A.RAMYA : 17WH1A05A8

Internal Guide : Mr. N. SREEKANTH
Designation : Associate Professor
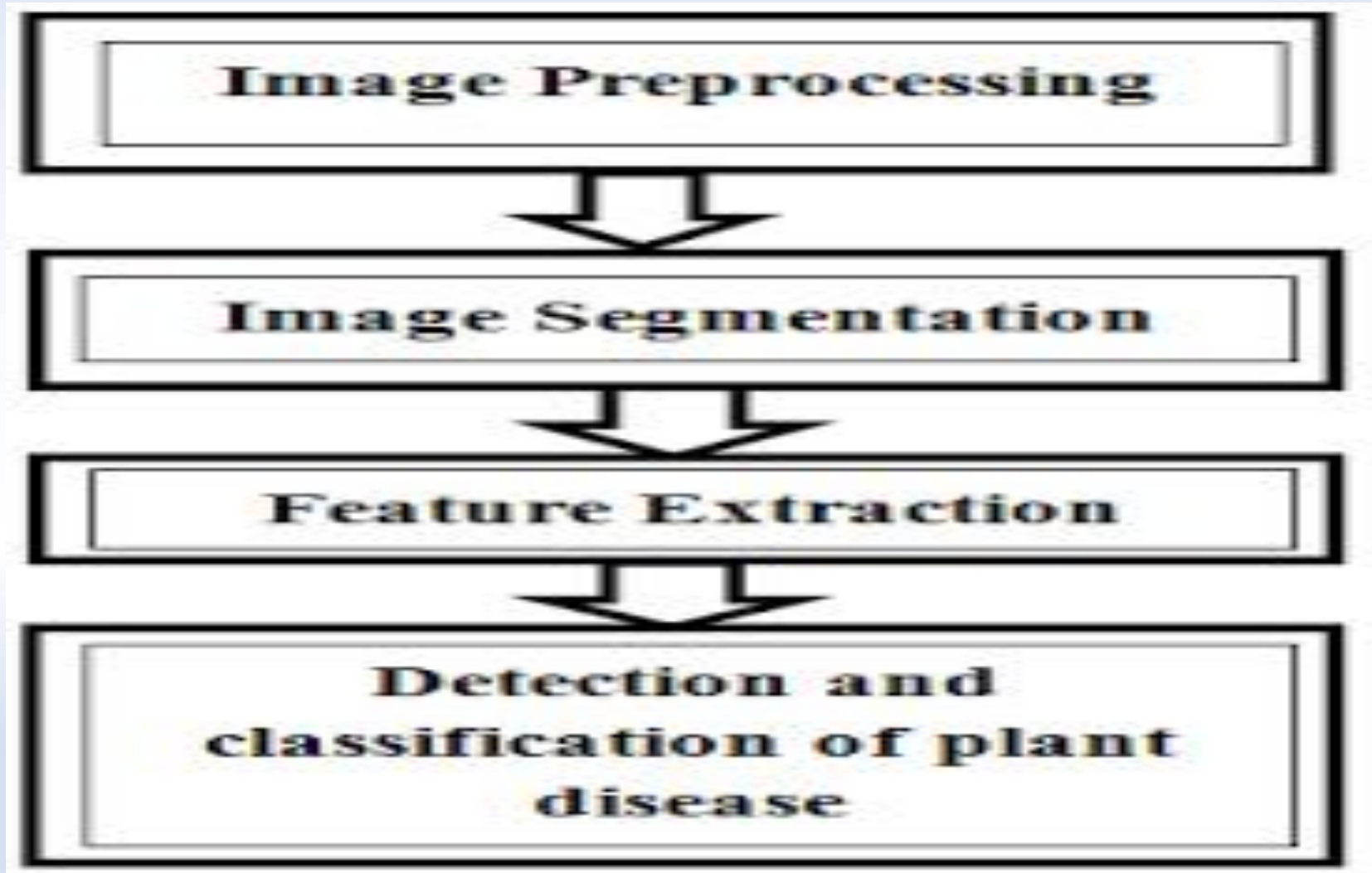
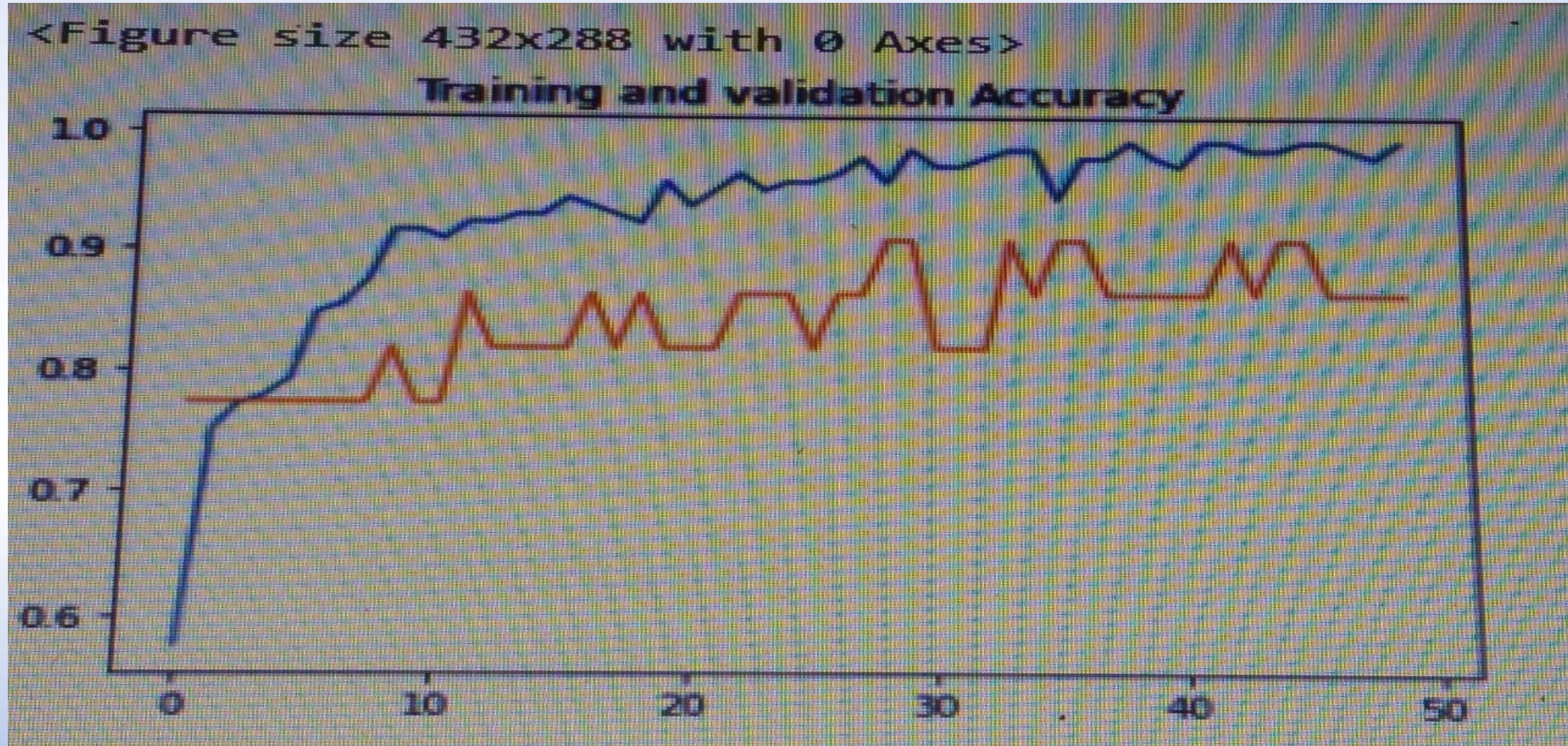**Department of Computer Science & Engineering**

ABSTRACT

Rice leaves are affected by various kind of diseases. Rice leaf diseases can be detected based on image processing techniques. Diseases are classified in rice plants by analyzing photographs of rice leaves. The method uses image processing algorithms to detect leaves.

Attributes are computed based on the dimensions of leaves and lesions, the numbers and shapes of lesions, as well the color characteristics of lesions and intact portions of leaves. These attributes are used to build classification model and this model is used to detect the affected leaves. VGG19 algorithm is used for classification.

BVRIT HYDERABAD College of Engineering for Women

DESIGN ARCHITECTURE

Image Preprocessing

↓

Image Segmentation

↓

Feature Extraction

↓

Detection and classification of plant disease

PERFORMANCE METRICS

Rice Disease Type : bacterial_leaf_blight

Rice Disease Type : brownspot

Rice Disease Type : blast

Thank You