



## CSE 498/EEE498/ETE498 (Direct Research) Form

Department of Electrical and Computer Engineering  
School of Engineering and Physical Sciences (SEPS)  
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**Student ID** : 1722239042 **Semester** : Fall 2021  
**Supervisor Name** : Dr. Dihan Md. Nuruddin Hasan(DMH)

**PROJECT TITLE:** A Guava Fruits and Leaves Detection and Classification of Guava Diseases.

**PROJECT SUMMARY** (less than 200 words): (Please provide a summary of the project objectives, R&D methodology involved, impact and benefits, etc.)

Here, we are detecting guava diseases, such as Canker, Dot, Mummification, and Rust, guava fruit diseases datasets from Mandeley web-site. Our proposed research focuses on detecting guava disease from visual symptoms and then recommending a curative remedy. We'll use deep neural techniques and algorithms, such as cnn, deepconvo, vgg16 etc, to identify disease in guava plants just by taking in account the guava leaves.

**PROJECT OUTCOMES** (less than 200 words): (Please provide a brief description of the R&D output in both qualitative and quantitative terms)

The outcome of the project will be a system that will be trained to identify any disease a guava plant has just by using the pictures of the plant. This will help the agricultural industry as we know medicines are very expensive, and in recent times medicines are being used on all the plants, but after this project medicines can be applied only on sick plants.

Jisan Mia

Student's Name and Signature

Dr. Dihan Md. Nuruddin Hasan

Supervisor's Name and Signature

Approved By

Chairman, Dept. of Electrical and Computer Engineering