Severity analysis of Plant diseases using Deep Convolutional Neural Network

*\*Tentative name*

# **Dataset** : UCI ML repository- Rice Leaf disease *(\*tentative)* link – [*click here*](https://archive.ics.uci.edu/ml/datasets/Rice+Leaf+Diseases)

# **Papers that will be referred** *(\*tentative and more will be added)*:

1. [Deep Neural Networks Based Recognition of Plant Diseases by Leaf Image Classification](https://www.hindawi.com/journals/cin/2016/3289801/)
2. [Automatic Image-Based Plant Disease Severity Estimation Using Deep Learning](https://www.hindawi.com/journals/cin/2017/2917536/)
3. [Using Deep Learning for Image-Based Plant Disease Detection](https://www.frontiersin.org/articles/10.3389/fpls.2016.01419/full)
4. [Detection and Classification of Plant Leaf Diseases by using Deep Learning Algorithm](https://www.ijert.org/research/detection-and-classification-of-plant-leaf-diseases-by-using-deep-learning-algorithm-IJERTCONV6IS07082.pdf)

**Content :**

1. **Detailed review of existing literatures**
2. **Setting up architecture in cloud**
3. **Assistance in setting up architecture locally (Limited to hardware capability)**
4. **Modelling of Deep CNN architecture**
5. **Inferencing of results**
6. **Experimentation with other models and result comparison**
7. **Future work possible and references**

**Poster Example :**

