

A large, brown, textured sack of rice is shown, filled with rice. A pile of white rice is on top of the sack, with some rice stalks visible. The background is a solid light gray.

# RICE LIFER

Innovation For Your Quality Food

Team name: God Phoenix

Members:

AALAP BHAKTA

RITHIV R

MUTHU P

ROHITH R

# Description For RICEFER

We have an Developed Flutter Android App which will be helpful for farmers to identify the type of the rice diseases in their farm field by scanning their plant images using the android app in their Phone and also to find near-by Agricultural Shops to find Manures and fertilizers for proper cultivation. And also here the farmer could track the previous History of the rice crops classified.



# PROBLEMS IT SOLVES AND THE INSPIRATION BEHIND THE IDEA

India is the world's second-largest producer of rice and the largest exporter of rice in the world. Production increased from 53.6 million tons in FY 1980 to 120 million tons in FY2020-21

In India a study says that **30 percent** of marginal and small farmers are still illiterate.

Most farmers don't have proper exposure to the rice plant diseases, if these rice plants have been affected by such diseases then their money which is borrowed from landlords, and their efforts will totally wasted

So to assist them we have developed an App so that they can know which disease is affected by their plant and to find the agricultural shops near by for better cultivation.



# TECHSTACK

- Flutter
- Firebase
- Deep Learning



# PROBLEMS FACED WHILE EXECUTION

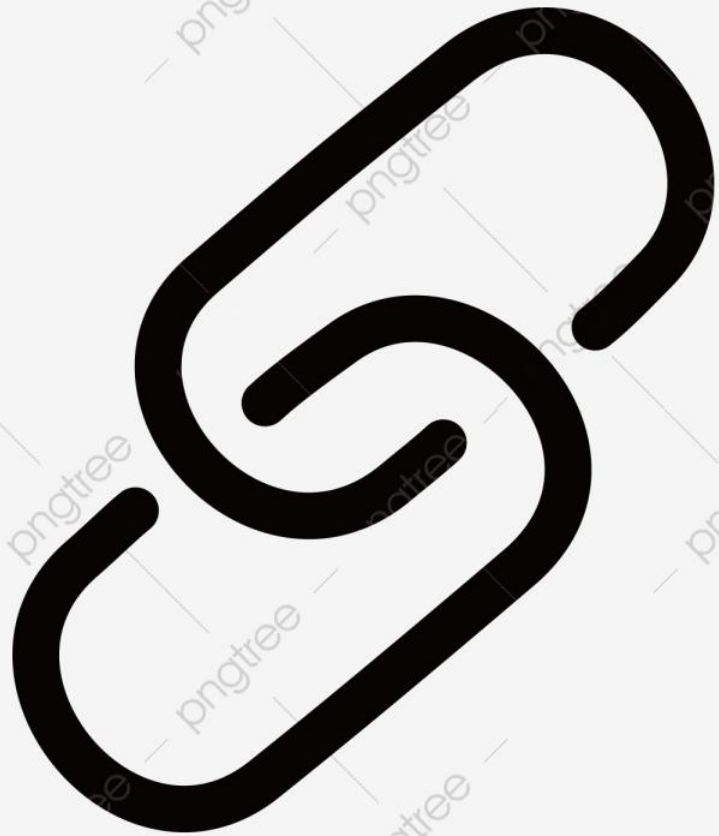
1) Training The Deep learning model took more time

2) We faced some issues while converting the H5 model into TFlite which is suitable for flutter

3) Flutter version Changes causes serious plugins to be outdated which caused issues to complete our project

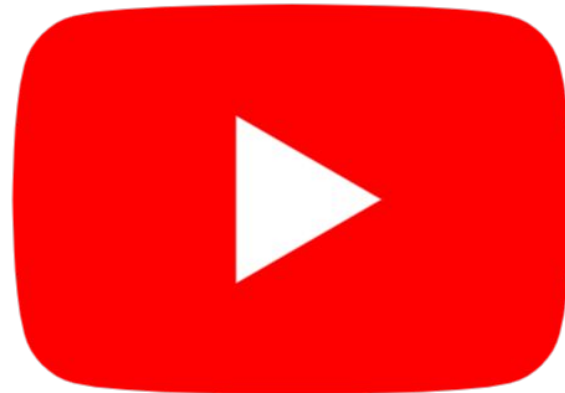
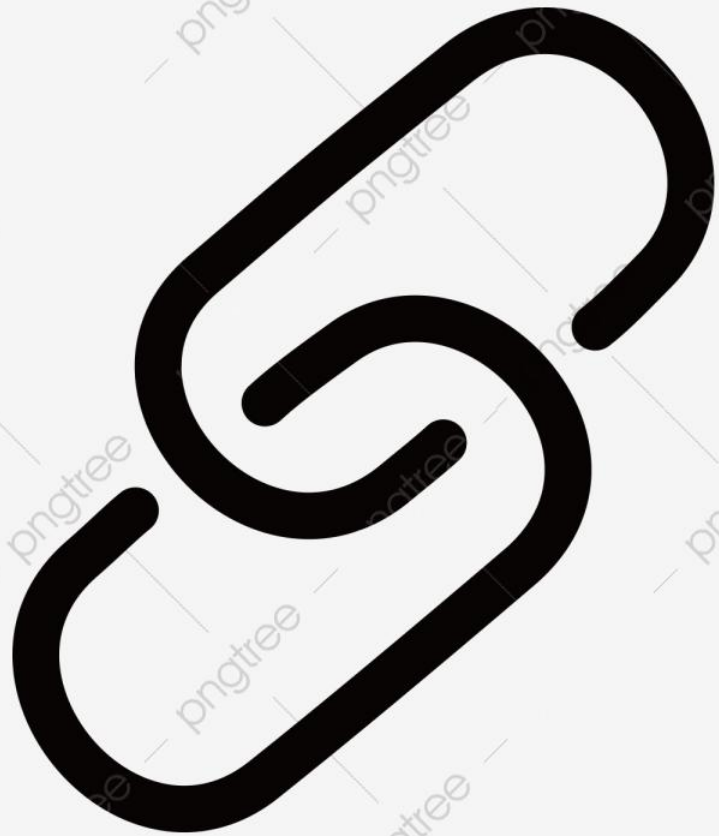


# Github Link







<https://github.com/Rithiv-R/Rice-Lifer>

# Video Link




[https://www.youtube.com/watch?v=wf-xAAkxC3E&ab\\_channel=RithivR](https://www.youtube.com/watch?v=wf-xAAkxC3E&ab_channel=RithivR)


# Screenshot


9:47    100% 

## RICE-LIFER

Login to your account







 rithiv07@gmail.com

 .....

**SIGN-IN**


Don't have an account?  
**Sign up**


9:48    100% 


<


## Sign-Up




Set up your account Here!!

 Rithiv@1234

 rithiv07@gmail.com

 .....

 .....|

 Choose Profile Picture:  
 

**SIGN-UP**

Already have an account?  
**Log In**



9:49

VoLTE 100%



## PROFILE



USER-NAME

 : Rithiv

USER-EMAIL

 : rithiv07@gmail.com

9:48

VoLTE 100%

SIGNOUT

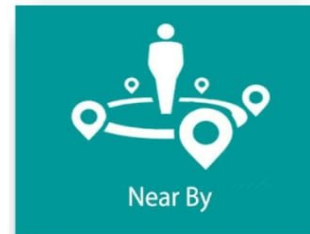
## RICE-LIFER



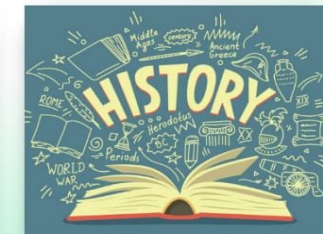
PROFILE



FIND DISEASE



AGRO NEAR BY



HISTORY

9:49

VoLTE 100%



# AGRO SHOP

## ADHIYAMAN AGRO SERVICE

📍: 214, 48, PR Srinivasa Rao St, Dharmapuri,  
Tamil Nadu, 635701



📶: 189ms

📞: 09245137576

## THIRUMALAI AGRO TRADERS

📍: 7/422, Melbatcha Pettai, Harur,  
Dharmapuri, Tamil Nadu 636903



📶: 212ms

📞: 09443081440

## NATHAN COMPANY

#221 Nathan Company, Arumugam, Arumugam

9:49

VoLTE 100%

## RICE-LIFER



## CHOOSE TO CARE RICE..



BY GALLERY



BY CAMERA

## ***CHECK FOR ANY DISEASE..***

**To Ensure Rice Plants are Grown well.**



**CHECK FOR**



**GO BACK**



### ***Stem rot***

#### ***Description:***

➤➤ The stem rot detailed in this fact sheet is caused by *Sclerotium oryzae*. It is one of a number of organisms that can damage rice leaf sheaths and/or stems. Others are listed in the "Rice field guide to pests, diseases and weeds."

#### ***Symptoms:***

1. In water-sown rice, stem rot first appears during the tillering stage as small, black lesions on leaf sheaths at the water line.
2. As the disease progresses, infected sheaths die and slough off. The infection may eventually penetrate the culm.

#### ***Treatment:***

1. Chemicals such as fentin hydroxide sprayed at the mid-tillering stage, thiophanate-methyl sprayed at the time of disease initiation can reduce stem rot incidence in the rice field.
2. Chemicals such as fentin hydroxide sprayed at the mid-tillering stage, thiophanate-methyl sprayed at the time of disease initiation can reduce stem rot incidence in the rice field.

**DATEWISE:**

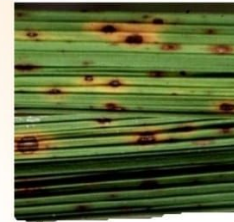
2022-07-17



2022-07-17

 **Stem rot**

⌚: 21hr-31min-20sec

 **Brown spot**

⌚: 21hr-32min-18sec

 **Stem rot**

⌚: 21hr-32min-7sec