



Smart India Hackathon 2022 Stage 1 Internal Selection

Organization: **Ministry of Micro, Small and Medium Enterprises (MSME)**

Problem Statement: **RK1129 - App-Based solution to identify and solve disease in plants/crops.**

Team: **Made4Innovation**

Team Leader: **Mr Ashish Kotecha**

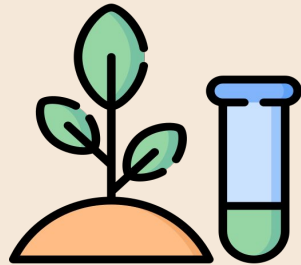
Team Leader email: **kotecha_ashish.ai@ghrce.raisoni.net**



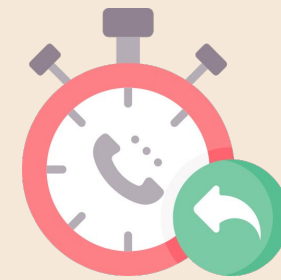
Problems



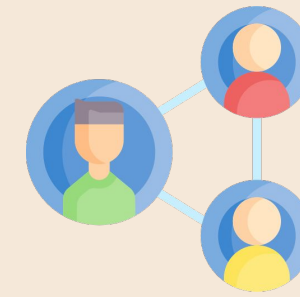
Lack of awareness in farmers
about plant diseases
leading to crop failure



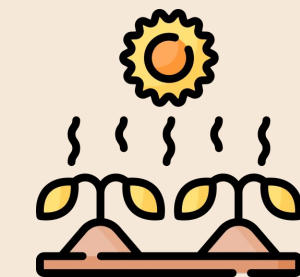
Lack of remedies for
certain plant diseases



Lack of instant
proper treatment

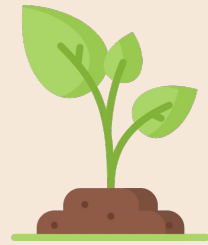


Unavailability of platforms
which connects farmers
with Agrologists



Crop failure have disastrous
consequences for
smallholder farmers

Solutions



A smart application that identifies the plant disease instantaneously



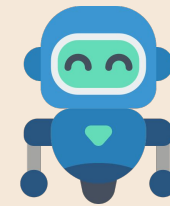
The application connects farmers with Agrologists with respect to crop disease



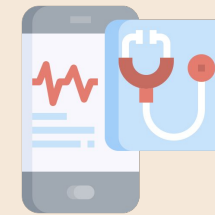
The app has the ability to identify diverse crop defects



Features



Availability of our own agroexpert bot



Diagnose and Treat Crop Issues



Get Your Questions Answered By Experts



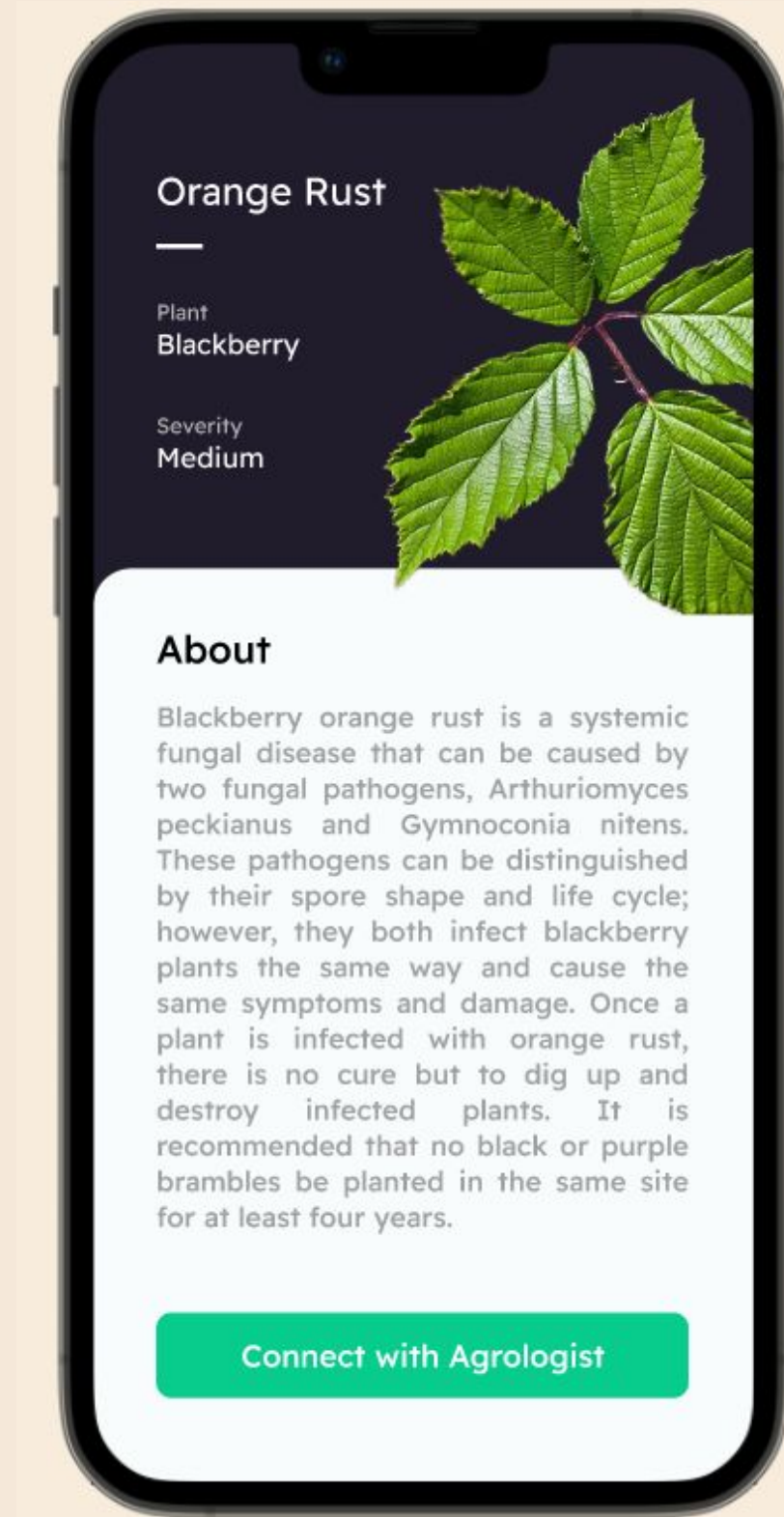
Get personalised recommendations based on weather conditions



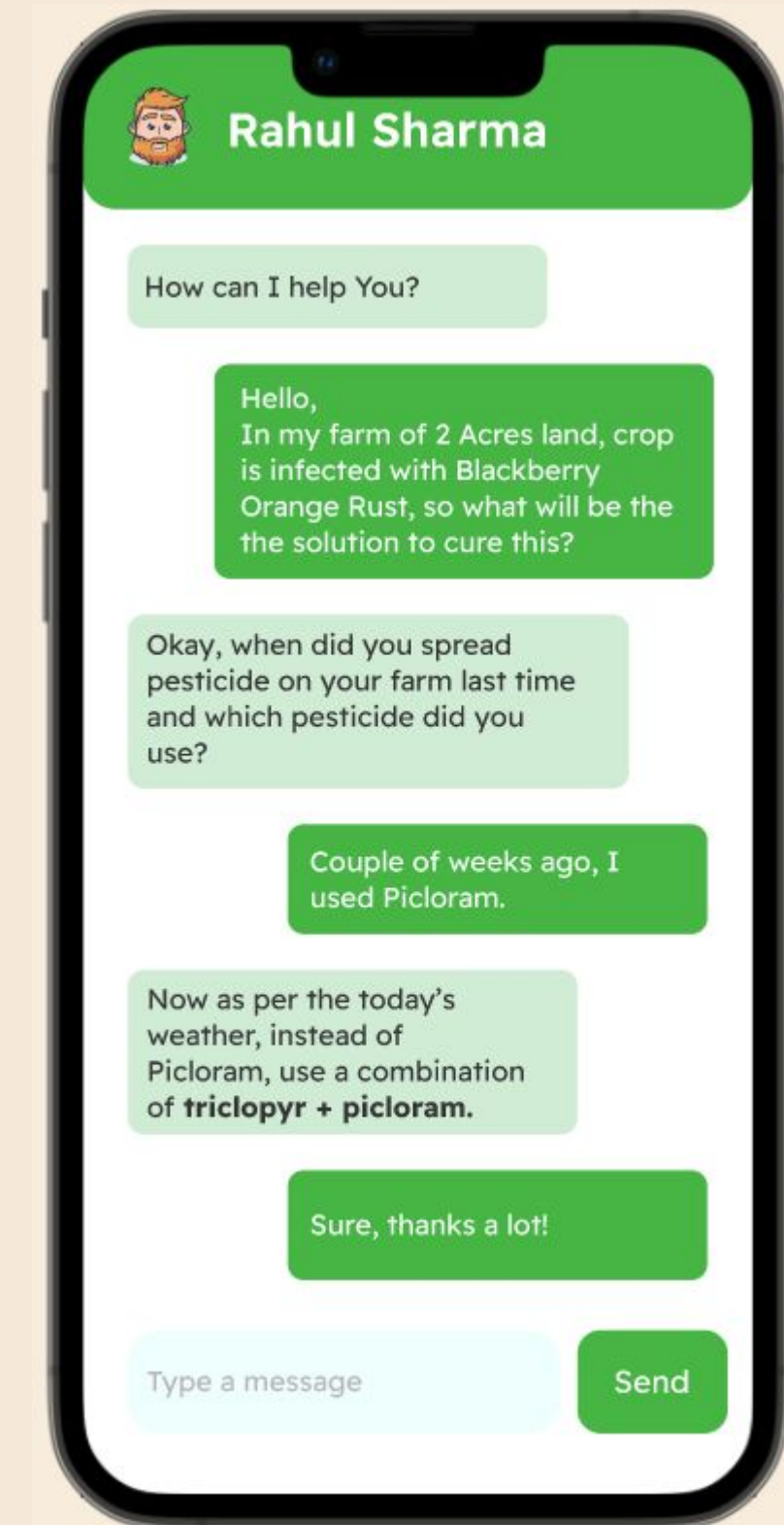
Prototype



Click



Connect



Cure

Tech Stack

- Tensorflow
- Keras
- Ionic + Capacitor
- React
- Socket.io
- nodeJS



Future Scope

- Reinforcement learning AI approach
- Meeting Scheduling and Calling system
- Subscription based revenue model



Team Details



Ashish Kotecha
VI Sem AI

kotecha_ashish.ai@ghrce.raisoni.net



Gaurav Patil
VI Sem AI

patili_gaurav.ai@ghrce.raisoni.net



Atharva Deolalikar
VI Sem AI

deolalikar_atharva.ai@ghrce.raisoni.net

...



Charvi Chandekar
IV Sem AI

charvi.chandekar.ai@ghrce.raisoni.net



Hrugved Kolhe
VI Sem AI

kolhe_hrugved.ai@ghrce.raisoni.net



Khushboo Agnihotri
VI Sem CSE

agnihotri_khushboo.cs@ghrce.raisoni.net