

1. TITLE OF THE PROTOTYPE:

BoundlessAgro

2. TEAM NAME & MEMBERS:

TEAM NAME: **MERAKII**

MEMBERS:

- 1) Cariappa K Ganapathi (adityacariappa@gmail.com , 9071864604)
- 2) Manish M (manishmanikandan2000@gmail.com, 9902475577)
- 3) Sakshi Vattikuti (sakshiv700@gmail.com , 9739082528) (**Leader**)
- 4) Triambaka Naresh (triambakanaresh@ymail.com, 9972433928)

3. ABSTRACT OF THE IDEA (UPTO 300 WORDS)

Arable lands

Hydroponic farming is a technique by which plants are grown with the help of nutrients from water instead of soil. The current project aims to develop a system to remotely and efficiently manage and monitor hydroponic farming which is a common solution for the problem of scarce arable lands.

It aims at implementing predictive maintenance, diagnostic analysis with the help of a dashboard and automating the conditions such as temperature, humidity, oxygen to be pumped, etc while also enabling the user to manually control them using an app/dashboard.

4. TECH STACK

1. Machine Learning
2. Infrastructure
3. Internet Of Things