

# GEO pulse

PRESENTED BY :  
Hansuja, Hridaan & Shaurya

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FARMING INNOVATION

# OUR PURPOSE

1.

GROW HEALTHIER  
CROPS

2.

REDUCE WASTED  
MONEY

3.

MAKE SOIL TESTING  
ACCESSIBLE

4.

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# PROBLEM STATEMENT

SOIL TESTING IS EXPENSIVE &  
SLOW

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HARD FOR FARMERS TO KNOW  
WHAT THEIR SOIL NEEDS

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FARMERS LOSE TIME,  
RESOURCES, & CROP  
POTENTIAL

# OUR SOLUTION: GEO PULSE

A COMPACT DEVICE THAT MEASURES:

- Moisture
- Temperature
- PH Levels
- Conductivity

... AND SENDS DATA TO TGE APP INSTANLY

# DEVELOPMENT JOURNEY



# PROTOTYPE 1 vs. 2 OPTIMIZATION

App

# FUTURE VISION

ADD AI CHATBOT FOR  
CROP  
RECOMMENDATIONS

PREDICT SOIL  
DEFICIENCIES

PERSONALIZED ADVICE  
BASED ON READINGS

CLOUD STORAGE AND  
OFFLINE MODE

**WHY DOES  
THIS  
MATTER?**

HAPPY  
THANK YOU