



WIEHACK 5.0

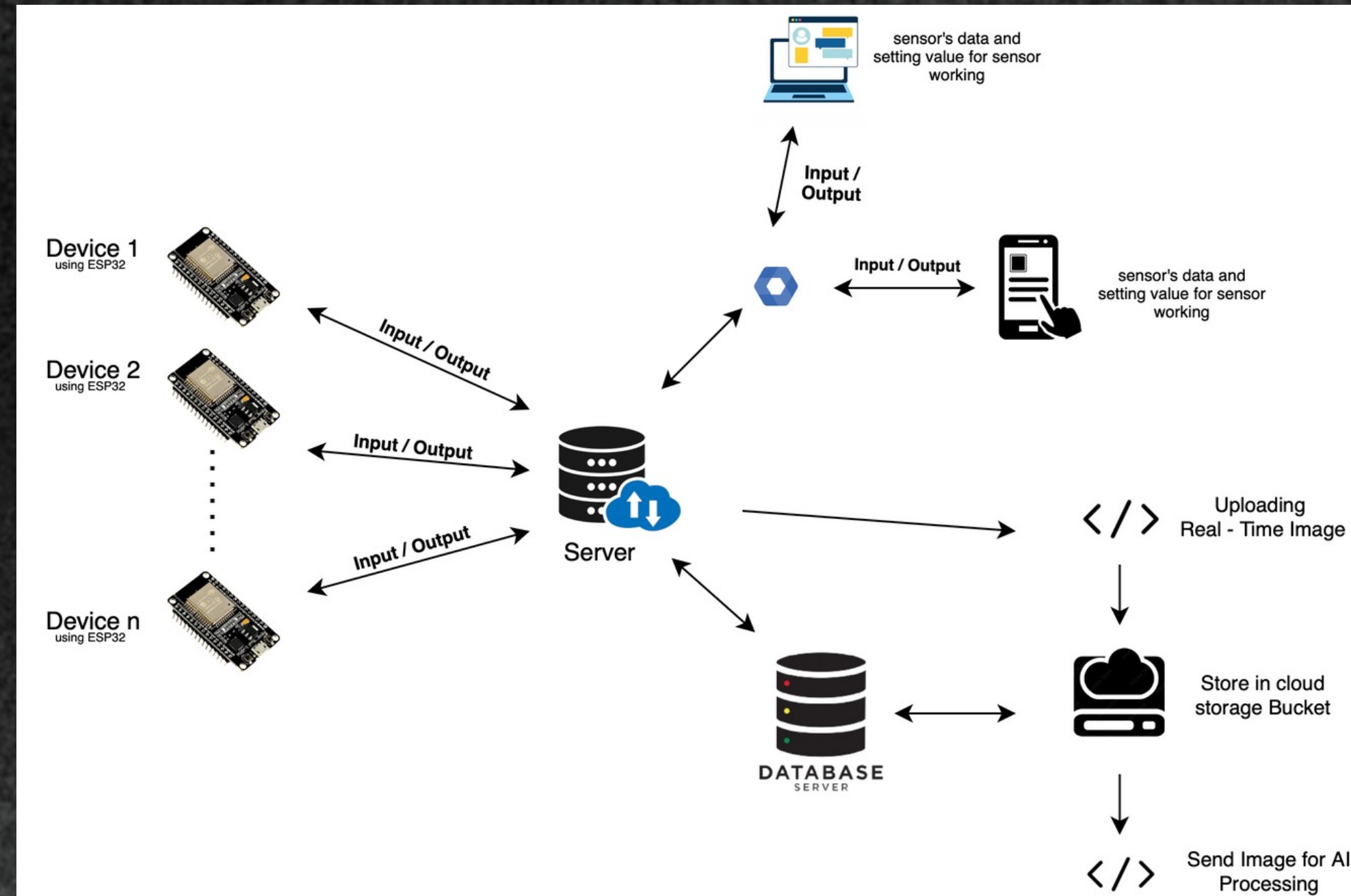
Team Name: IOT AGRITECH

Team Number: 65





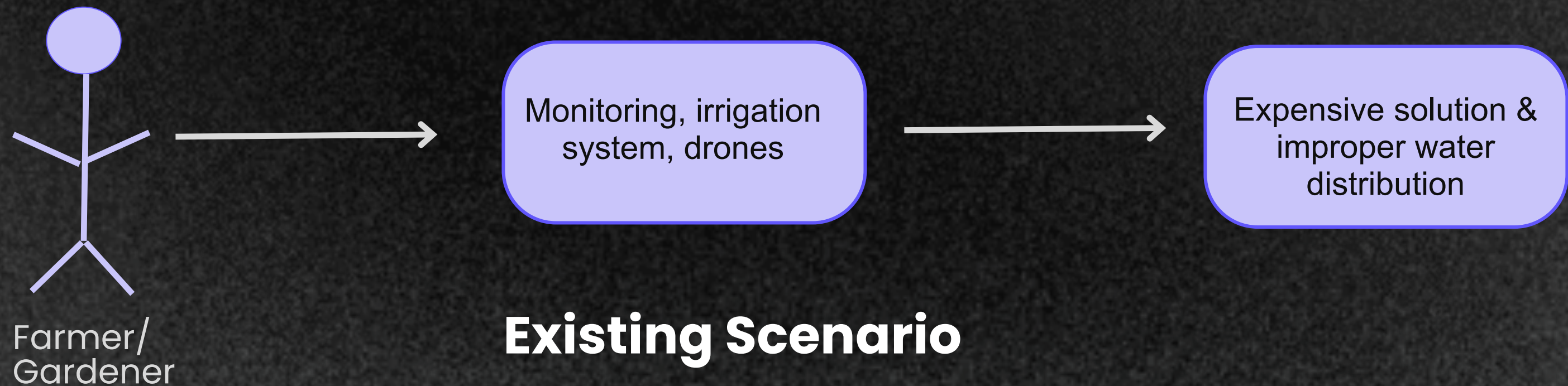
ABSTRACT





PROBLEM SOLVED

- ✦ Due to urban dweller's hectic schedules, tree planting rates decline globally.
- ✦ Absence of an affordable solution for farmers to easily set up and manage diverse ESPs for monitoring crop conditions.





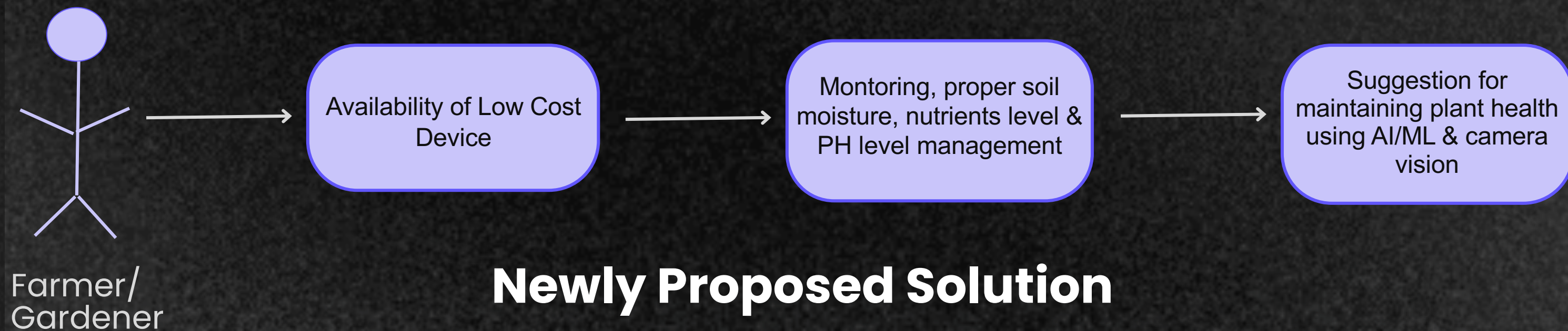
PROPOSED SOLUTION



Ensure affordability and accessibility by utilizing cost-effective hardware components for monitoring and nutrient administration devices



Establish a centralized control platform, like a web-based dashboard or mobile app, enabling farmers to remotely monitor crop status (Soil Moisture, Nutrient level, Ph value etc).





TECH STACK



Arduino IDE



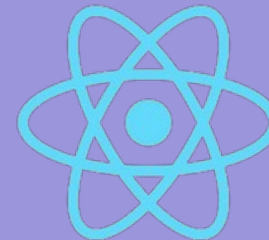
MongoDB

EXPRESS Js

Express JS



Node JS



React

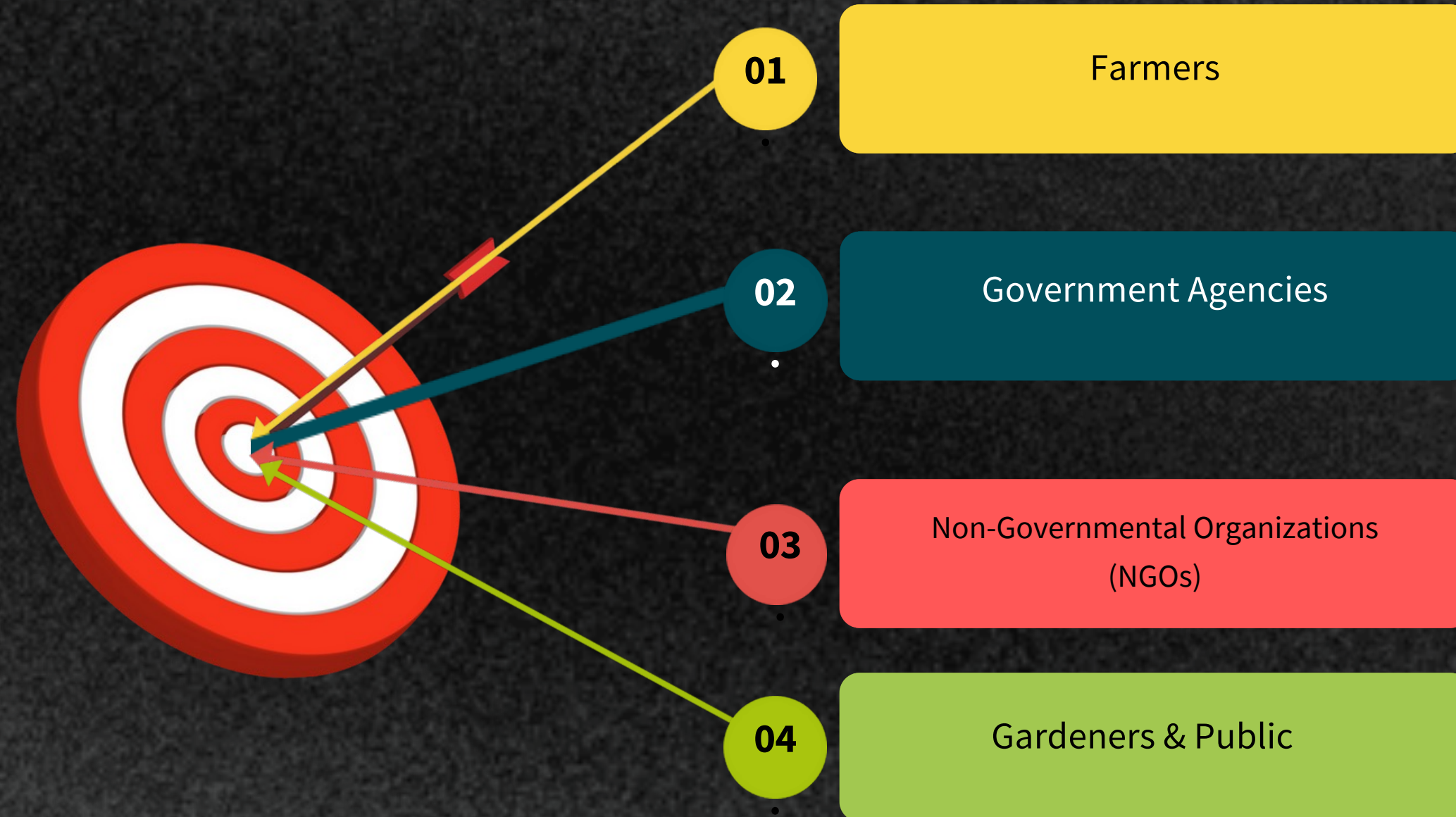


Redux



TARGET AUDIENCE

Who are the customers you want to cater to?





PROGRESS REPORT

WHAT HAVE YOU DONE ?

- ✓ Hardware Preparation
- ✓ Website Preparation
- ✓ Interagrations of software with hardware

WHAT ARE YOU PLANNING TO DO ?

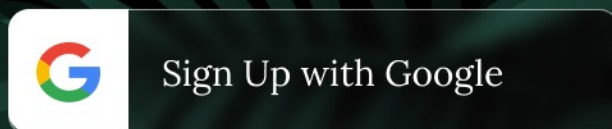
- Integrating Machine Learning model with software to have a custom input for different species of plants
- Camera integration with hardware for plant monitoring
- Creating a custom dataset for different plant species



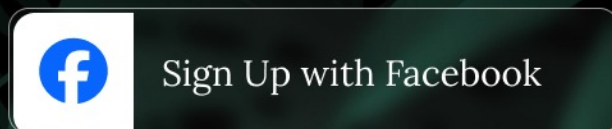
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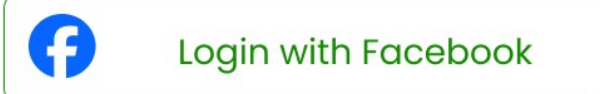
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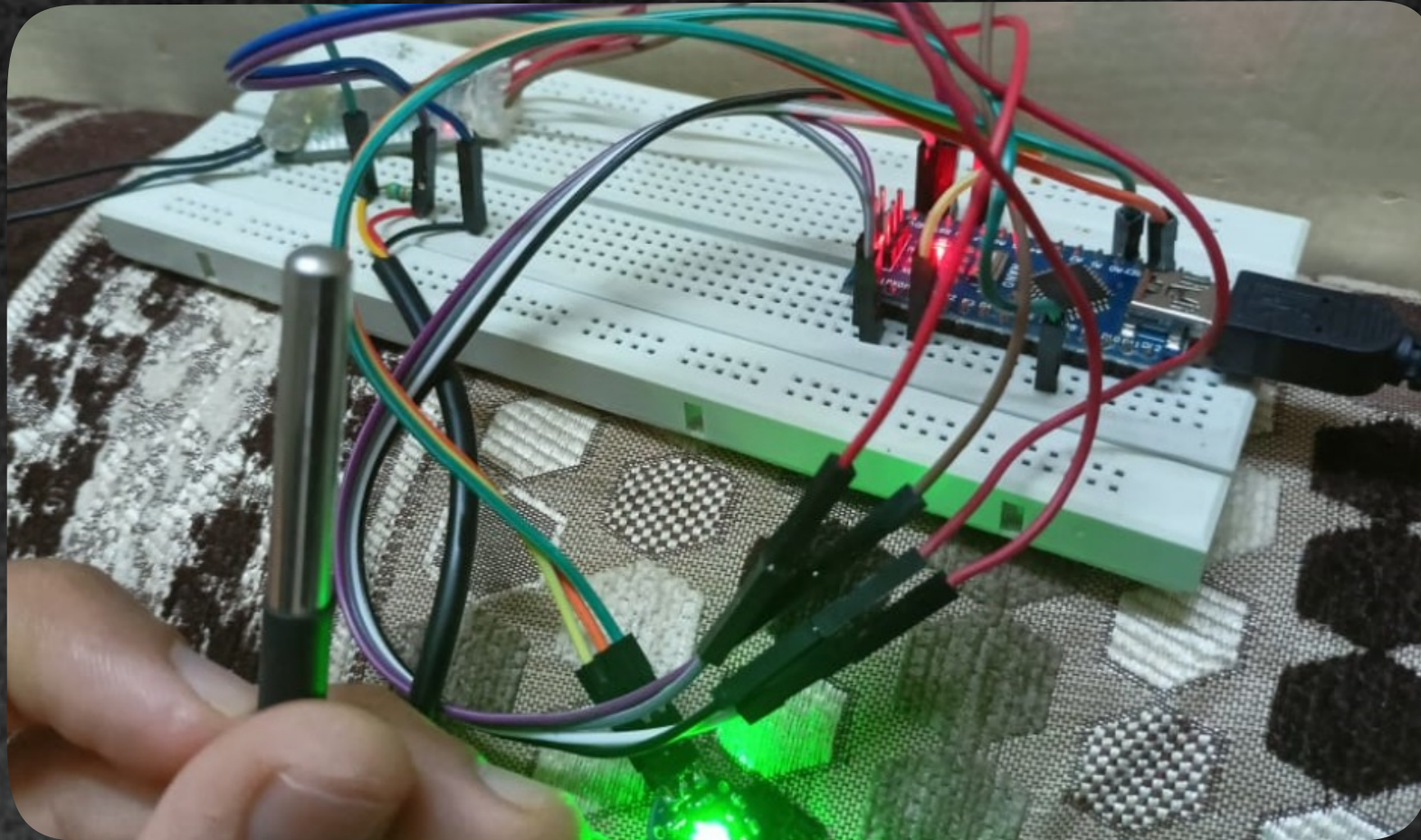
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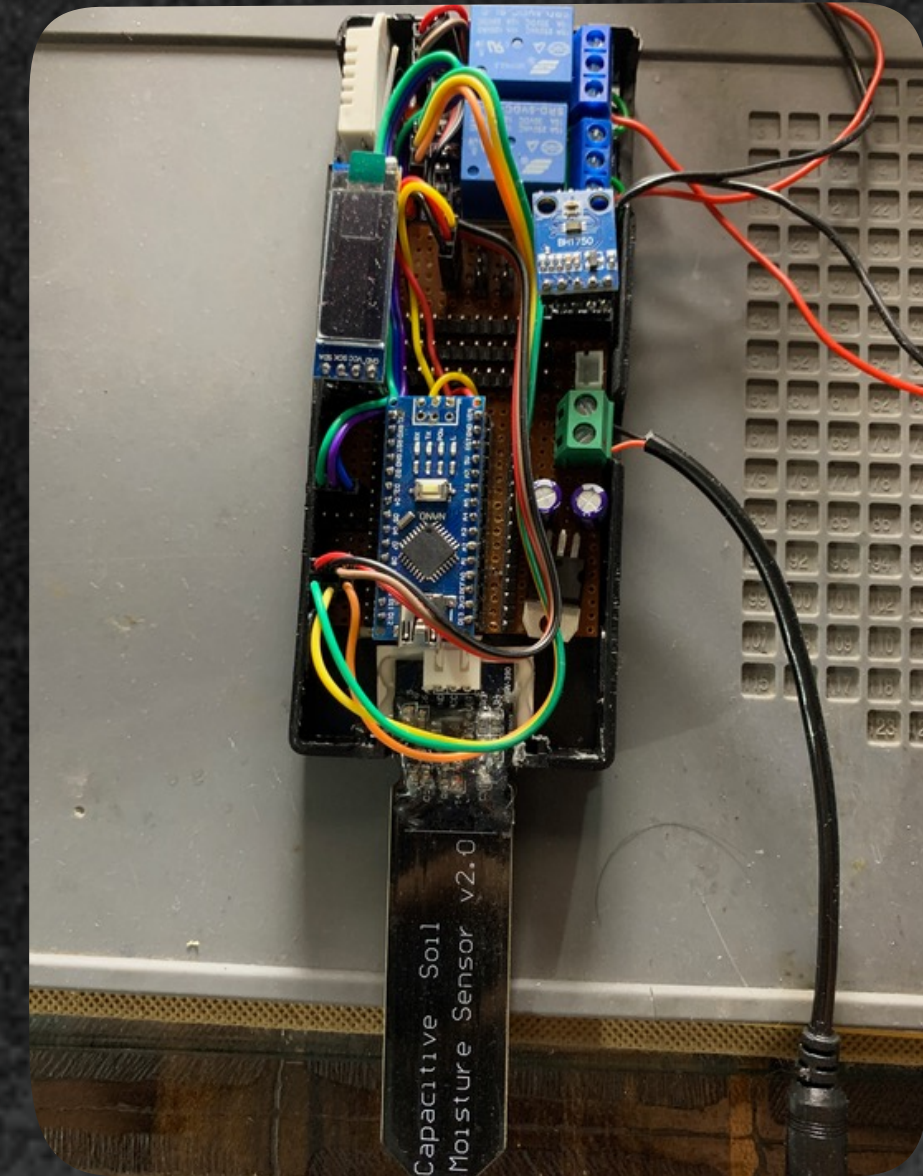
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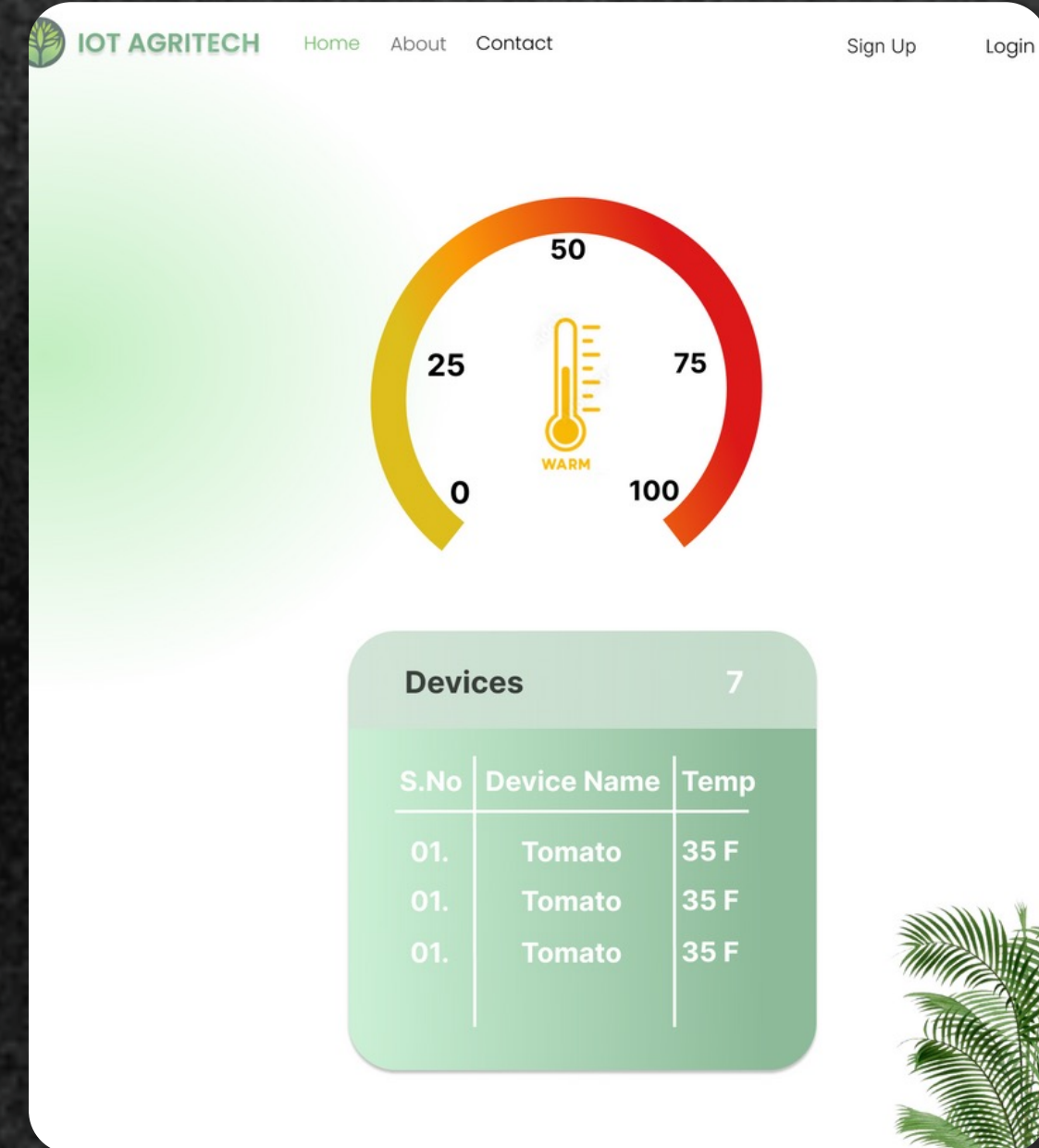
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