IOT Based Smart Crop Protection System for Agriculture

GOAL

WHO are we empathizing with?

Who is the person we want to understand?
What is the situation they are in?
What is their role in the situation?

What do they need to DO?

What do they need to do differently?
What job(s) do they want or need to get done?
What decision(s) do they need to make?
How will we know they were successful?

What do they HEAR?

What are they hearing others say?
What are they hearing from friends?
What are they hearing from colleagues?
What are they hearing second-hand?

What do they THINK and FEEL?

PAINS

What are their fears, frustrations, and anxieties?

GAINS

What are their wants, needs, hopes, and dreams?

What do they SEE?

What do they see in the marketplace?
What do they see in their immediate environment?
What do they see others saying and doing?
What are they watching and reading?

What do they SAY?

What have we heard them say?
What can we magine them saying?

What do they DO?

What do they do today?
What behavior have we observed?
What can we imagine them doing?

INCREASE THE PROFIT FOR FARMERS

HELP FARMERS

HIGHER YIELDS

USER FRIENDLY

SMART FARMING

QUICK ALERT SYSTEM

SOFTWARE MAY BE CORRUPTED

CONNECTIVITY ISSUES

EMERGENCIES ALERTS ARE NOTIFIED TO THE USERS

SENSORS SENSES PARAMETERS LIKE TEMPERATURE,HUMIDITY,SOIL MOISTURE

DETECT THE ANIMALS

LIMITED MAN POWER

HIGH PROTECTIVITY

IMAGE WILL BE CAPTURED AND STORED IN DATABASE

ECONOMICAL FRIENDLY

NO NEED OF PESTICIDES

MOTOR IS CONTROLLED THROUGH WEB APPLICATION

HIGH PROTECTIVITY

ENVIRONMENTAL FRIENDLY