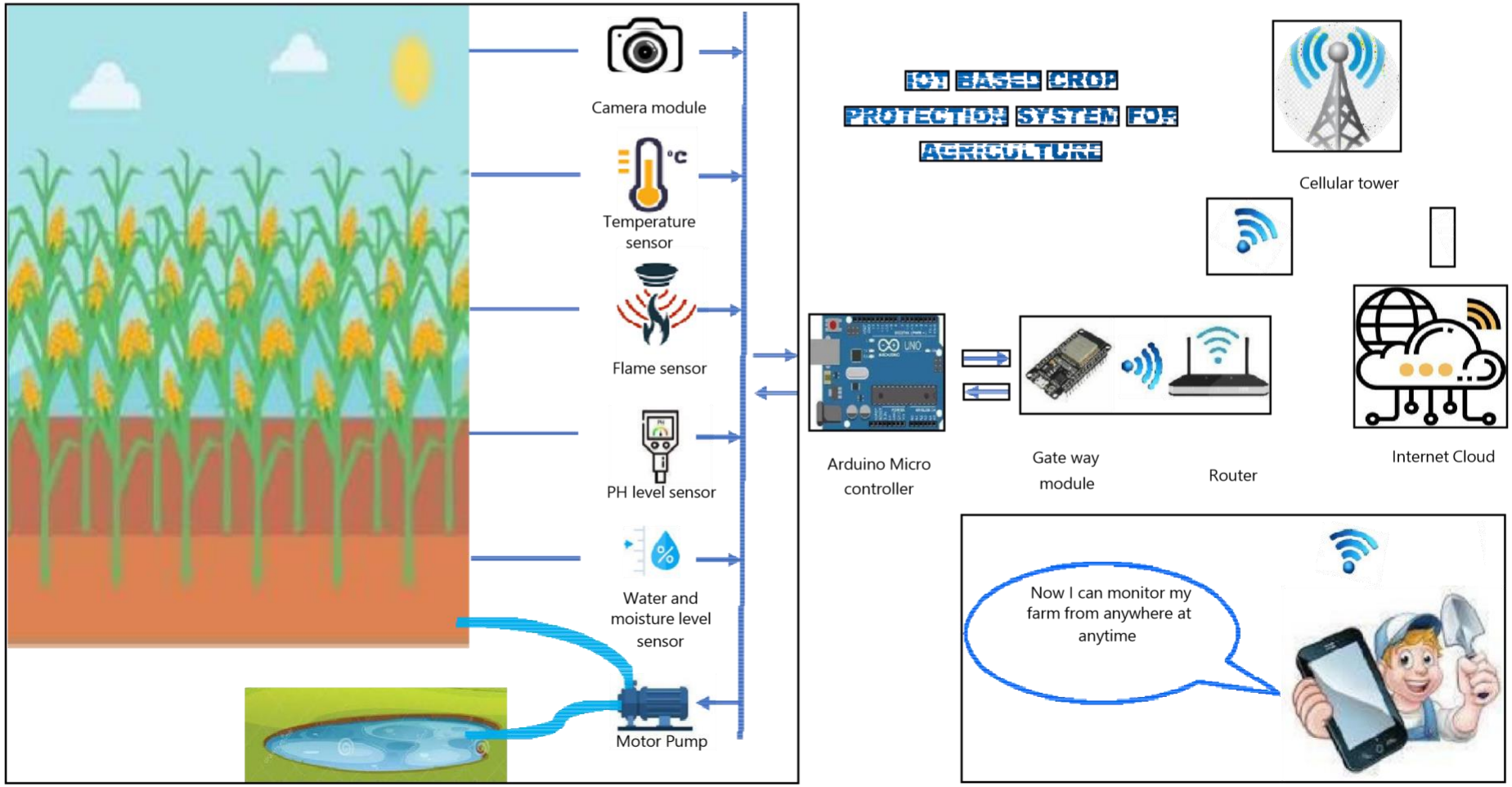
Project Design Phase-1

Solution Architecture

Date	15 October 2022
Team ID	PNT2022TMID45173
Project Name	IOT BASED CROP PROTECTION SYSTEM FOR AGRICULTURE
Maximum Marks	4 Marks



Solution Architecture:

A. The Repeller Device:

To improve the energy efficiency of the device, we made use of a Passive Infrared Sensor (PIR) sensor, which activates the driver responsible for the ultrasound generation B. Back-End System:

***We call the ”back-end” a system where all the CPU intensive task processes take place. C. Weather Monitoring System:**

The device communicates over Wi-Fi to the back-end system.

Reference:

“www.telegraph.co.uk/news/worldnews/europe/italy/12105887/tuscanwine-makers-back-cull-of-250000-wild-boar-and-deer.html.”