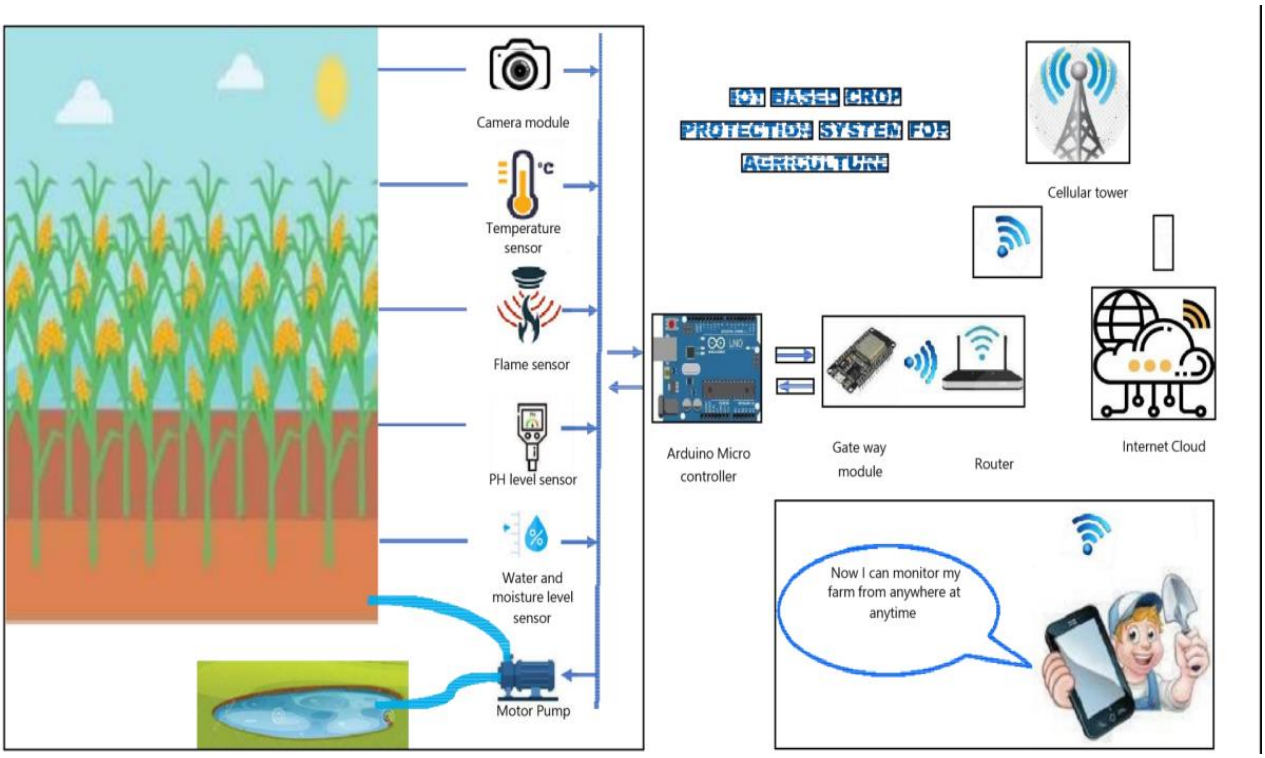
Project Design Phase-I
Solution Architecture

Date	03 October 2022
Team ID	PNT2022TMID05121
Project Name	IoT Based Smart Crop Protection System for Agriculture
Maximum Marks	4 Marks

Solution Architecture:



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.

Back-End System:

*We call the" back-end" a system where all the CPU intensive task processes take place.

Weather Monitoring System:

The device communicates over Wi-Fi to the backend system.

Reference:

www.telegraph.co.uk/news/worldnews/europe/italy/12105887/tuscanwine-makers-back-cull-of250000-wild-boar-and-deer.html.