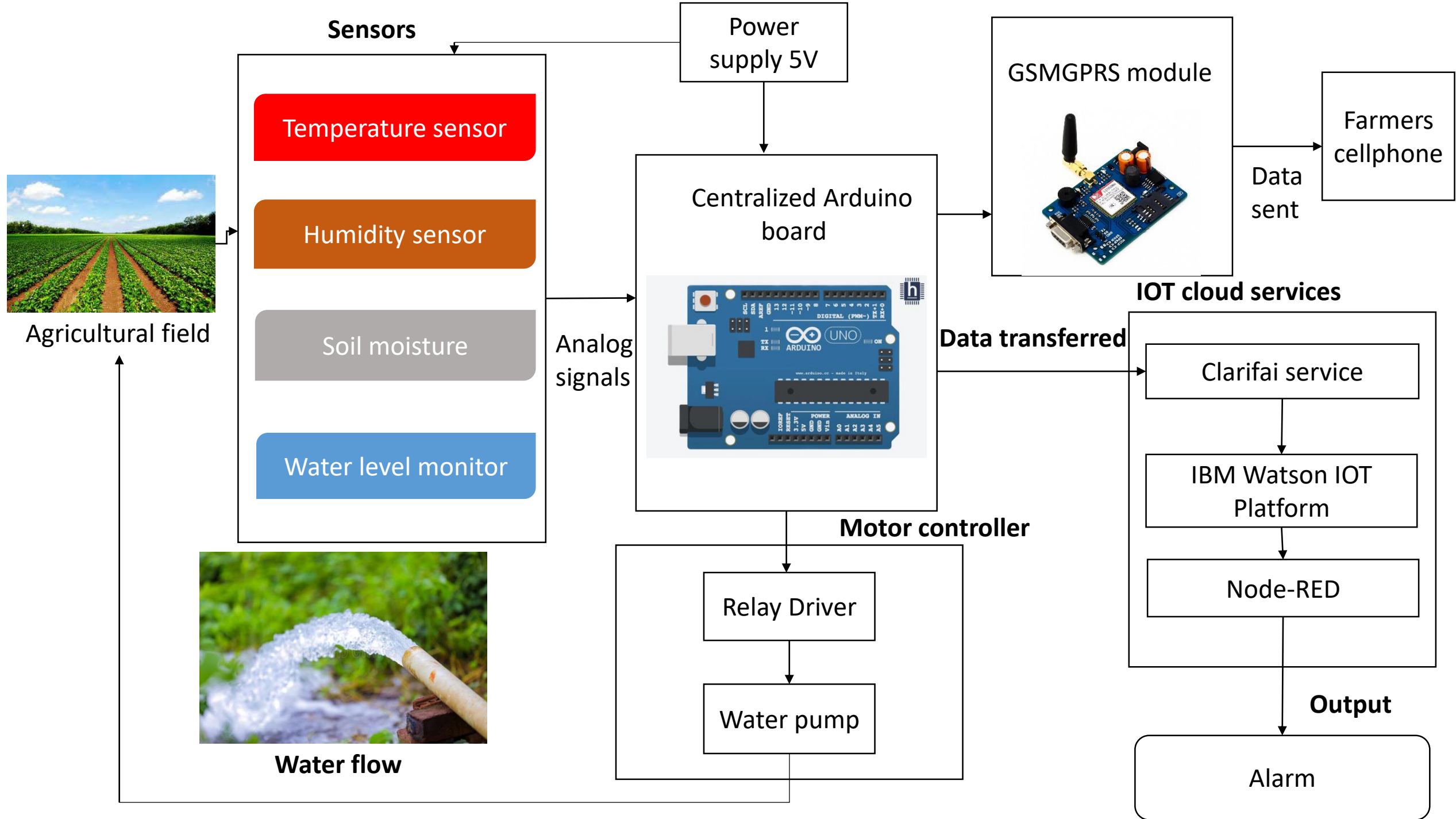


Project design phase-I

Solution Architecture

Date	13 October 2022
Team ID	PNT2022TMID32413
Project Name	IoT Based Smart Crop Protection System for Agriculture



DESCRIPTION:

- The device will detect the animals and birds using the Clarifai service
- If any animal or bird is detected the image will be captured and stored in the IBM Cloud object storage
- It also generates an alarm and avoid animals from destroying the crop
- It also generates an alarm and avoid animals from destroying the crop
- The image URL will be stored in the IBM Cloudant DB service
- The device will also monitor the soil moisture levels, temperature, and humidity values and send them to the IBM IoT Platform
- The image will be retrieved from Object storage and displayed in the web application.
- A web application is developed to visualize the soil moisture, temperature, and humidity values
- Users can also control the motors through web applications