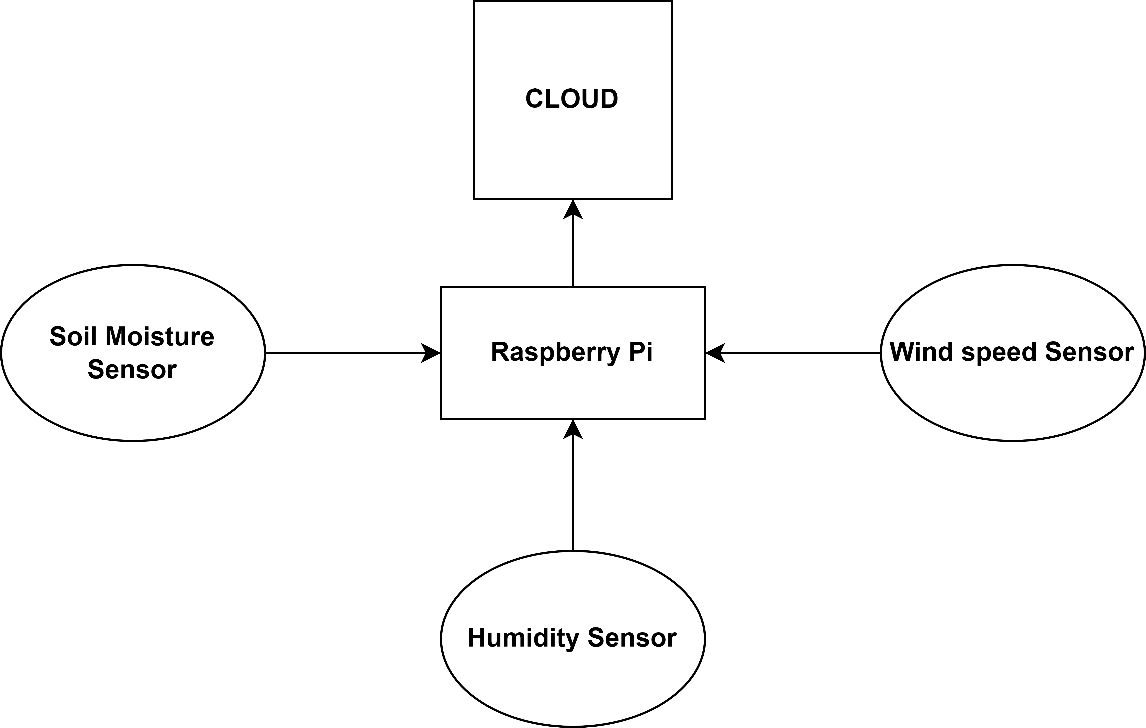
# Project Design Phase-I Solution Architecture

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| --- | --- |
| Date | 07 OCTOBER 2022 |
| Team ID |  |
| Project Name | SmartFarmer - IoT Enabled Smart Farming Application |
| Maximum Marks | 4 Marks |

**Solution Architecture:**

* For each crop, the product containing Microcontroller and sensors will be placed.
* The sensor includes Soil Moisture sensor, Wind sensor and Humidity sensor.
* Raspberry Pi is used as Central Unit which receives information from all the sensors and sends it to the cloud.
* Before installing the entire product, the farmer needs to upload basic information like Crop name and water requirement.
* Based on these data and the data from the sensors, the processor will alert the Farmer to irrigate the crop field.

# Solution Architecture Diagram:

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