Problem Statement

1.PH sensor are very expensive in case if this type of sensorDoes not work properly after few attempts because it will work properly only the required amount of calibrated PH . In order to avoid these problem light intensity Sensor is used it does not depends on calibrated values.

2.The most common failure mode associated with PH probe is breakage. The PH electrode is A very thin glass membrane this glass membrane that is easily damaged. This problem can be occurs due to mechanical shock.in order to avoid that air cooler ,pressure cooler is used. Because it will

Produce cool air to ph elelctrode.

3.If sometimes there will be a huge rain in the area The Sensor cannot able to measure proper value because the soil will be in the state of semi solid so it will not work properly. So to avoid these problem waterlevel sensor is used. It analyse the h2o content before rain after rain. By calculating these variation we can understand the fertility amount in soil

4.In humidity sensor it require initial evaluation for site specification for condition before selection of appropriate moisture sensor it require probe to be installed .Instead of using these sensor ew can use thermal sensor it detect the temperature fro the surrounding.