problem statements

* Continous monitoring of crops and plants by farmers are not possible so the growth of plants is not much efficient.
* The farmers cannot detect the amount of moisture content in the soil.
* The farmers cannot detect the presence and the absence of nutrients in the soil.
* The unknowing of the amount of nutrients in the soil results in over fertilizing of crops with toxic fertilizers which results in soil acidification and many other problems to human life.
* The unknowing of water content in the soil results in over irrigating and under irrigating of crops.
* Over irrigation results in wastage of water resources and under irrigating of crops results in drying of crops and affecting the income of farmers.