

# PDCA (plan-do-check-act) Analysis/Report

TEAM NO: 5

TEAM NAME: SPADES-X SMART AGRICULTURE

## PLAN

### TO SERVE FARMERS IN A BETTER WAY

1. *Providing them the method of smart agriculture at a minimal- affordable cost*
2. *To increase their yield and also to make their work automated*
3. *Feedback of real time aspects on crops and their performance report*
4. *Surveillance and maintenance on field assured*
5. *Ensuring with the user-friendly and native language interfaces provided*

## DO

### Learning / Measurement

1. *Method of smart agriculture should be implemented on the large field of farms such that to make their work easier*
2. *Spade-x provides this smart agriculture in a cheap and affordable price such that majority of the farmers can turn their field of crops into smart agriculture farms*
3. *Add-ons included in this smart agriculture are Maaruffu green houses, sprinkler irrigation ,alkalinity of the field for better performance(Ph)*
4. *By installing this smart agriculture-fields ,farmers hold the benefit of developed fields with updated modules and yield numerous profit*
5. *Companies those provide these kind of agriculture modules demand at high cost*

## CHECK

### OBSERVATION OF FARMERS ON FEILD

1. *Single farmer maintaining the whole large plot of land*
2. *Difficult to figure out the problems on a large field (water leakages)*
3. *No safety or surveillance across the field*
4. *Natural calamities strikes(which cannot be predicted by humans)*
5. *Labour cost*

## ACT

### Conclude

1. *Platform of smart agricultural fields are provided to them*
2. *Farmers can also avail for government subsidy on the purchase of Spade-X products*
3. *As the product is provided with feedback and native language interfaces customer care services are provided 24/7*
4. *Succeeding the product purchase installation across the field is free-of-cost*
5. *Demonstration of the product and process will be provided on every maintenance call*