

## PROJECT DESIGN PHASE-1

### PROBLEM SOLUTION FIT

Date	30 SEPTEMBER 2022
Team ID	PNT2022TMID16094
Project Name	Smart Farmer- IoT enabled smart farmer application
Maximum Marks	2 Marks

#### Problem Solution Fit:

<b>CS</b>  1.CUSTOMER SEGMENT(s)  About the crop monitoring system.	<b>CC</b>  6.CUSTOMER CONSTRAINTS  Collection of database of the crop condition.	<b>AS</b>  5.AVAILABLE SOLUTION  By using ,IoT and soil mosturizer sensor the soil and crop condition indentified.
<b>J&amp;P</b>  2.JOB-TO-BE DONE/PROBLEMS  The collection of data must be pre-processed and analyzed the data by the Internet of things and nodemcuesp8266	<b>RC</b>  9.PROBLEM ROOT CAUSE  The major cause of this problem is lack of drinking water and doesn't follow the proper diet and doesn't have proper awareness is also being a root cause.	<b>BE</b>  7.BEHAVIOUR  They must have to check the messages.
<b>TR</b>  3.TRIGGERS  They may have trigger while hearing about the result of the plant crops through short message service.  <b>EM</b>  4.EMOTIONS:BEFORE/AFTER  Before: The crop may in need water or else there will be an excess of water under crop.  After: But this helps to know the current condition of the crop in the field.	<b>SL</b>  10.YOUR SOLUTION  Our project is about the crop condition in the field which are detected through the help of IoT and soil moisturizer sensor.	<b>CH</b>  8.CHANNEL OF BEHAVIOUR  Online: The farmer can able to analyse the crop condition through the sms note provided to them.  Offline: By visiting the field the farmer tends to know the condition of the crop.

