Project: **I O T** Based Smart Crop Protection System for Agriculture **Project Design Phase-1**:Solution fit **Team ID**: PNT2022MID40834

Define CS, fit into CL

1. CUSTOMER SEGMENT(S) CS

Farmer's! Whose protect his field?

6. CUSTOMER LIMITATIONS EG. BUDGET, DEVICES CL

1) High adoption costs, security concertos.
2) Not aware of the implementation of IoT inagriculture.

5. AVAILABLE SOLUTIONS PLUSES & MINUSES AS

Monitor different parameters and mobile or web application make easily to farm thecrop field.

Explore AS, differentiate

Focus on PR, tap into BE, understand RC

2. PROBLEMS / PAINS + ITS FREQUENCY PR

It's difficult to monitor and control

IoT know if the application doesn't work properly.

9. PROBLEM ROOT / CAUSE RC

1) If temperature, PH level, humidity & light intensity makes the serious cause for the environment.

2) Farmer affected by less productivity which will affect to their profit.

7. BEHAVIOR + ITS INTENSITY BE

Direct related: Tries to find a solution to prevent this problem

Indirect related: Located in rural where internet coactivity might out be strong enough to facilitate fast transmission speeds.

Focus on PR, tap into BE, understand RC

Identify strong TR & EM

3. TRIGGERS TO ACT TR

Create opportunities to lift people out of poverty in developing patios. (Over 60%)

4. EMOTIONS BEFORE / AFTER EM

BEFORE: Fioaoces, Heavy work overload and conflict in relationship.

AFTER: It will easier to make more yields in field

10. YOUR SOLUTION SL

"IoT based Smart crop protection system for agriculture"!!

It helps farmers grow more food or lessland by protection crops from pests, diseases and weeds as well as raising productivity per hectare.

8. CHANNELS of BEHAVIOR CH

ONLINE: The Data seed through application for the farmers to know about the farms.

OFFLINE: The control action is taken by the farmers to monitor the farms.

Extract online & offline CH of BE