**Project Title: IOT- Smart farming Project Design Phase-I - Solution Fit Template Team ID: PNT2022TMID37002**

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| 1. **CUSTOMER SEGMENT(s)**   *Our customers are farmers* | **6. CUSTOMER CONSTRAINTS**  ***Farmers can take immediate actions resulting better crop produces***  ***and farmers have better income. High Yield and prescriptive guidance*.** | **5. AVAILABLE SOLUTIONS**  ***With the help of solution, farmer can***  ***plan which crop to take based on soil condition and plan quickly***  ***possible remedies for soil deficiencies*.** |
| 1. **JOBS-TO-BE-DONE/PROBLEMS**   ***Farmers***  ***irrespective of whether soil nutrient requirement uses blanket***  ***fertilizers for crop.*** | **9. PROBLEMS ROOT CAUSE**  ***Currently Farmers***  ***irrespective of whether soil nutrient requirement uses blanket***  ***fertilizers for crop. Because of these issues, losses in crop yielding***  ***and soil health gets affected.*** | **7. BEHAVIOUR**  ***affordable app-based solution for Soil health monitoring and***  ***suggest which crop to be sown based on it.*** |
| 1. **TRIGGERS**   ***Because of these issues, losses in crop yielding***  ***and soil health gets affected.***   1. **EMOTIONS: BEFORE/AFTER**   ***With the solutions farmers can improve their farming.*** | **10. YOUR SOLUTIONS**  ***Create app-based solution to detect soil parameters like moisture***  ***content, temperature, relative humidity, nutrient, Ph, CEC, NPK etc.***  ***and provide crop suggestions to be produced based on soil***  ***parameters & environment values.*** | **8.CHANNELS OF BEHAVIOUR**  ***Provide remedies & alerts on soil deficiencies like***  ***Watering for low Moisture level, Fertilizers for Nutrient deficiencies*** |

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