**Project Design Phase-I - Solution Fit Template**

**Project Title: IOT Enabled Smart Farming Application Team ID: PNT2022TMID48383**

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| **1. CUSTOMER SEGMENT(S)**  \* Persons who have less number of farming knowledge to monitor or manage one or more farms. | **6.Customer Constraints**  \* Network connection, high adoption costs, and security concerns. | **5. AVAILABLE SOLUTIONS**  \*To increase the quantity and quality of agriculture products. |
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| **2. JOBS-TO-BE-DONE / PROBLEMS**  \* Cope with climate change, soil erosion and biodiversity loss. | **9. PROBLEM ROOT CAUSE**  \* To alleviate security concerns, we use sensors to detect real-time status. | **7. BEHAVIOUR**  \*With the help of IOT devices you can know the real-time status of the crops. |
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|  | **3. TRIGGERS TR**  \* Meeting other who have better cost management by using smart farming application.  \* Watching more benefits from using smart farming application in social media.  **4. EMOTIONS: BEFORE / AFTER**    \* Before - High paid cost spending more time in farms to manage. Fear about sudden climate change.  \*After – Satisfied. Feeling secured. Better understanding about factors such as water, climate changing etc…. | **10. YOUR SOLUTION SL**  \* Our patented sensors technology requires no batteries or wires and communicates wirelessly to a reader over a distance of as much as 19 meters.  \* The sensors can sense applicators to apply less nitrogen to healthy plants and more nitrogen to weaker, unhealthy plants. | 8. CHANNELS of BEHAVIOUR CH  8.1 ONLINE  \*Easy to monitoring from anywhere, controlling resources easily and effectively.  8.2 OFFLINE  \* Spending more time to manage crops in farms, appoint people with salary to monitor farms. |  |