Project Design Phase-I - Solution Fit Template

Project Title: IOT Enabled Smart Farming Application
Team ID: PNT2022TMID50618

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.
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.

	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.	**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.	
	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….		