

PROBLEM SOLUTION FIT

DOMAIN: IoT

Project Title: Smart Farmer – IOT Enabled Smart Farming Application

Team Members:

- 1) MohanRaju.N (720719106072)
- 2) Kalaiselvan. A (720719106050)
- 3) Kanishram.M (720719106052)
- 4) Kishore.S (720719106058)



Problem-Solution Fit

Explore AS,	6. CUSTOMER CONSTRAINTS CC		5. AS		
Focus on J&P, tap into BE, understand	BE		Network connectivity would be the main constraint as we use Wi-Fi which has maior limitations like in		The
					For smart farming, lot of iot based solutions are there. But one huge disadvantage of
Identify strong TR & EM	3. TRIGGERS TR		10. YOUR SOLUTION SL		8. CHANNELS of BEHAVIOUR CH
	<p>Customers get triggered mainly because to save their crops and to prevent them from the damage as they feel depressed when they face the losses and it indirectly affects their family too. This device is also a budget friendly device.</p> <p>4. EMOTIONS: BEFORE / AFTER EM</p> <p><u>Before:</u> Depressed ,loss of time ,Facing more losses</p> <p><u>After:</u> Confident , Gets chance to spend time efficiently,95%</p>		<p>To provide an alternate (i.e) to avoid the network problems we are also going to introduce the manual mode where the farmers can stop the water flow /provide limited amount of water flow into the field., Make it more user friendly(like appoint the help center team to guide them whenever they are facing any trouble with our app),..</p> <p>Additional features like create an awareness about where to get agricultural loans, government agriculture schemes and get the feedback of every farmers on every monthend and if its related to government, then make it to reach the government. It also ensures whether the crops are well nourished and watered without human intervention. It helps in increasing farming productivity and quality, reducing labour costs and maintaining the sustainability of the entire value chain.</p>		<p><u>Offline:</u> The IoT-based smart farming not only helps in modernizing the conventional farming methods but also targets other agriculture methods like organic farming, family farming (complex or small spaces, particular cattle and/or cultures, preservation of particular or high-quality varieties, etc.), and enhances highly transparent farming.</p> <p><u>Online:</u> IoT-based smart farming is also beneficial in terms of environmental issues. It can help the farmers to efficiently use water, optimize the inputs and treatments</p>

Describe Solution Fit

Extract online & offline CH of BE

