VSB Engineering College,karur-639111

Project Design phase – I

Problem Solution fit

Project name: Smart Farming

Team Id : PNT2022TMID33604

1.Customer segments:- The customer who are going to use this project includes are Large Scale Farmers, Small Scale Farmers	**4.Emotions:-** Turning the face of conventional agriculture methods by not only making it optimal but also making it cost efficient for farmers and reducing crop wastage.	**7.Behavior:-** Finding an animals entry into the farming lands is always a difficult task for a customer.
2.Jobs to be done :- If animals entry into the farming lands the sensor will detect the animals and send the signal to the customers.	**5.Available solutions:-** Customers uses fence to prevent the intervention of animals.	**8.Channels of behavior:-** The channels of behavior recombine the ratio of the following Online and Offline.
3.Triggers:- Some of the triggers are advertisements in the television and information from the experts.	**6.Customer constrains:-** Lack of proper irrigation facilities, production machinery, and access to institutional credit, difficulties procuring inputs and storing products, and negative impacts of climate were identified as the major constraints to agricultural productivity.	**9.Problem route cause:-** By adopting Iot in the agricultural sector we get numerous benefits,but still, there are challenges faced by IoT in agricultural sectors. **10.Solutions:-** Our solution for this project is the smart irrigation facilities using IoT based on moisture and temperature.