

Project Design Phase-II

Customer journey map

Date	12 October 2022
Team ID	PNT20TMID41540
Project Name	Emerging methods for early detection of forest fire
Maximum Marks	4 Marks

Journey Steps Which step of the experience are you describing?	Discovery Why do they even start the journey?	Registration Why would they trust us?	Onboarding and First Use How can they feel successful?	Sharing Why would they invite others?
Actions What does the customer do? What information do they look for? What is their context?	Keep tracking of climate changes	Collect data and image processing Register previous records of fire range in detector Create fire and generate a view of the map integrated with the fire forest database	We can track the accurate location where the fire is in fire API is connected and we can know the accurate location of fire System of using cloud-based environment and environment friendly data storage and retrieval system Usage of the satellite image to observe, detect and report fire spots	Prevent the area from remaining of fire The device is also used at households to prevent fire accident If high temperature tolerance is improved
Needs and Pains What does the customer want to achieve or avoid? Tip: Reduce ambiguity, e.g. by using the first person narrator.	We want to collect the data To avoid risk for animals	Easy access and immediate response to fire even in critical situation Always aware of detectors to be in good condition Detection of fire patterns	Using deep learning algorithm and conventional neural networks Implementation of the wireless sensor networks to detect the fire accurately in all areas Use a smartphone app to monitor the fire status and receive alerts Set the limits of sensor range to detect distance	Detectors results can be shared with firefighter It will also used to detect volcanic eruptions Its a wireless device so its compatible
Touchpoint What part of the service do they interact with?	Detecting forest fire with high accuracy using satellite in challenging environment	Remote location fire detection system Using satellite, sensors, and data processing to detect fire and generate alerts Powerful fire detection system Temperature sensor, humidity sensor and rainfall sensor	While getting alerts notifications we can prevent forest fires Alert system would be able to use ground infrastructure, visible habitat and vegetation Camera mounted on satellite to provide the same infrared and visual pictures It is true frequent fire on large scale cause air pollution and climate change	Task of sharing is to improve efficiency of the device Detecting device will be available for all the forest officers Forest officers provide safety of the plants and animals
Customer Feeling What is the customer feeling? Tip: Use the emoji app to express more emotions	😬	😬	😬	😬
Backstage				
Opportunities What could we improve or introduce?	Increase/decrease a leading metric by	Increase/decrease a leading metric by	Increase/decrease a leading metric by	Increase/decrease a leading metric by