

Project Design Phase-II

Customer journey map

Date	08 October 2022
Team ID	PNT2022TMID30023
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 climatic changes	Collect data and image processing Register previous records of fire range in detector Forest fire are monitored as one of the most widespread threats to a forested landscape	We can track the accurate location where forest is in fire GPS is connected and we can know the accurate location of fire A camera of every forest fire sensor installed using satellite location using GPS and GSM and Wi-Fi and other high location Shape of the satellite images to observe, detect, and report fire events	Prevents the area from spreading of fire The device is also used in 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	Early warning and immediate response to a fire event are critical in avoiding great environmental damage Always aware of Detector to be in good condition Detection of fire pattern	Using deep learning algorithm and conventional neural networks Implementation of the wireless network monitoring to observe the fire events exist in all sensor Alert system available for all sensor Sensor network monitoring and response Set the limits of sensor range to detect disaster.	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 sensors in challenging access areas	The device from this sensor is integrated with the sensor network monitoring and response Forest fire sensors are installed in a good condition Temperature sensor, humidity sensor are installed.	While getting alert notification we can prevent forest fire Alert system would be able to save property infrastructure, wildlife habitat and ecosystem Camera installed are used to observe the fire flames, infrared and visual problems It is not frequent fire on large scales. Cause all pollution/private or biodiversity.	Task of sharing it 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
Process ownership Who is in the lead on this?	Constant monitoring and transmission of live video.	Conversion of video into frames.	Alert system would be able to save property infrastructure, wildlife habitat and ecosystem	Local the process in cause of no fire.