

Project Design Phase-II

Customer journey map

Date	12 October 2022
Team ID	PNT2022TMID49069
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 in one of the most advanced methods in a forest firehouse	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 house is connected with the detector using an app to monitor the forest fire and to know the location	Shape of the website 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? <i>Tip: Reduce ambiguity, e.g. by using the first person narrator.</i>	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 detection to be in good condition Detection of fire pattern	Using deep learning algorithm and conventional neural networks Implementation of the wireless sensor networks to observe the fire events and to all sensors A fire sensor can be used to detect the fire events and to all sensors Set the limits of sensor range to detect disaster	Detectors results can be shared with firefighter It will also be 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 weather conditions	Theroback from the website is connected to the detector and the detector is connected to the server Forest firehouse is connected to the detector and the detector is connected to the server Temperature sensor humidity sensor are installed	While getting alert notification we can prevent forest fire Alert system would be able to take preventive infrastructure, wildlife habitat and vegetation Camera mounted on the forest house (fire flame infrared and visual pictures) It is true frequent fire on large scales cause air pollution (hazardous to health)	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? <i>Tip: Use the emoji app to express more emotions</i>	😨	😞	😞	😨
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 send properly all the data to the server and the server will be able to send the data to the server	Local the process in cause of no fire