Project Design Phase-II
Customer/user journey map

Date	08 October 2022
Team ID	PNT2022TMID49509
Project Name	Emerging methods for early detection of forest fire
Maximum Marks	4 Marks

User journey

by the Design Team of Accenture Interactive NL

People 2–9 | Time 30 min | Difficulty Beginner

Creating a user journey is a quick way to help you and your team gain a deeper understanding of who you're designing for, aka the stakeholder in your project. The information you add here should be representative of the observations and research you've done about your users.

1 Phases	Analyze the problem	To detect forest fire	To build a forest fire detection model and test it	To inform the users about the fire and to take necessary steps
2 Steps	Fire can be analyzed by continuously monitoring the forest To examine the wind speed To study about the temperature in the forest	By installing various sensors By fixing surveillance camera By monitoring the abandoned areas	Collecting various datasets Writing codes for building the algorithm Testing the model	By informing the forest officer through message By using fire alarms Information given by the people around the forest
3 Feelings	Detecting the fire helps to save various species It helps to increase oxygen level in air Medicinal plants can be preserved	Timely response can be taken which feels safe Tribes can feel happy by detecting the fire Detection of fire can helps to increase the vegetation in forest	The model helps to predict fire at the earliest The model helps to minimize the cost for fire extinguishing The model helps to alert the correct people at definite time	Informing about the fire can be able to take necessary actions By informing about the fire the forest officers can feel Can inform the location of fire to the people
	Forest fire causes air pollution Forest fire can cause various health issues Poisonous gases can be mixed in atmosphere	Animals can migrate into the human areas Many forest lands are burned There may be an chance of extinction of endangered species	The model can give false positives about the fire Building and testing the model is an difficult task Sometimes sensors may fail to work	Occasionally information may be delayed High risk of false information Information shared among the people can be mistakenly understood
4 Pain points	Analyzing about the environment is an difficult task We cannot rely on the environment because it changes everytime It can lead to erosion	Detection of forest fire is inefficient Power consume to detect forest fire is high Forest fire detection has less accuracy	Mistakes may be done in the programming Dataset collection is a difficult task Cost for testing the model may be high	Forest fire causes irreperable damage Forests are usually remote so they are difficult to manage Dry leaves and patching woods can act as fuel source that causes fire
5 Opportunities	Watch towers can be installed at a particular distance Fire detection using optical smoke detection Lightning detectors can be used which detect the coordinates of the strike	Infrared cameras can be installed Spotter planes can give the exact location of forest fire Information about the forest fire can be given through mobile phones	High fire pixels cameras are used High accurate model can be trained By approaching the government to take necessary steps to detect forest fire	Early detection and prediction of forest fire can be made The forest fire detection model should give high accuracy The model should classifies the real time data predicting the chances of fire