

Project Design Phase – II

Customer Journey Map

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Team Id	PNT2022TMID50335
Project Name	Emerging methods for Early detection of forest fire
Marks	4 marks

Customer Journey Map

1.Phases	Ignition	Growth	Fully Developed	Decay
2.Steps	A source of Ignition is anything that has the potential to start a fire. E.g,, a naked flame or a faulty electrical appliance	Consumer have accepted the product in the market and customers are beginning to truly buy in market for the product is expanding and competition begins developing	Fire has spread over much if not all the available fuel. Temperature reach their peak. Resulting in heat damage, Oxygen is consumed rapidly.	Usually the longest stage of a fire , they characaterized a significant decrease in oxygen or fuel.Putting an end to the fire
3. Feelings	More precise, It control spark timing. It improves engine efficiency .It improves efficiency and performance.	The major factor that influence the fire growth are lightening high atmospheric temperature and dryness may cause fire and damage .	Fire removes low-growing underbrush. Cleans the forest floor of debris. Opens it up to sunlight. Nourishes the soil.	They kill harmful insects.They clear way diseased trees. They make way for new trees.The ashes add nutrients to the soil.
4.Pain points	No matter the cause, wildfires still require	Wildfires can disrupt	Human carelessness is the	Fire detection systems has

	<p>three key components to ignite and eventually spread fuel,heat and oxygen.These components are commonly referred to as the fire triangle.</p>	<p>transportation, communication, power and gas services and water supply. They also lead to a deterioration of the air quality loss of property , crops , resources, animals and people.</p>	<p>biggest factor contributing to wildfires.</p>	<p>many limitations , such as the limited amount of energy ,the energy required for data processing, the short range of communication and limited computations , the complexity of ML algorithms when executing on sensor nodes.</p>
5.Opportunities	<p>Fire removes low growing underbrush cleans the forest floor of debris</p>	<p>Opens it up to sunlight Nourishes the soil</p>	<p>Fire frequencies determine the over story of coniferous composition . Besides developing a natural space among the stands.</p>	<p>It plays a role in recycling nutrients from the ground layer vegetation and litter to over story trees. Thereby counteracting the infertile substrate and arrested decay.</p>

