Project design phase -I

Solution fit document and solution architecture

DATE	7/10/2022	
Team ID	PNT2022TMID18327	
Project Name	Emerging Methods for Early Detection	
	of Forest Fires	

Solution fit document

1. CUSTOMER SEGMENT(S)	6. CUSTOMER CONSTRAINTS CC	5. AVAILABLE SOLUTIONS
This project can be installed by all the central and state governments in order to detect the wildfires or forest fires rapidly.	The primary constraint on the fire detection system is to detect a developing fire prior to belt ignition or as quickly as possible thereafter before the onset o rapid flames spread can begin.	There are many solutions e
2. JOBS-TO-BE-DONE / PROBLEMS J&P	9. PROBLEM ROOT CAUSE RC	7. BEHAVIOUR
The existing solutions are less efficient and consuming high power and low accuracy along with latency issues and these problems should be resolved.	Forest fires are the one of the random natural disaster that is too hard to identify even with the existing state of the art technology. The fact that more than 20% of complete world CO2 emissions comes from forest fires.	The behaviour refers to the ignites flame develops and fire starts it continu e burnin and more fuels are present.
3. TRIGGERS	10. YOUR SOLUTION SL	8. CHANNELS of BEHAVIOUR
saving wildlife Area detection Assessing the environmental conditions		online:collect the data and other software plat forms.
4. EMOTIONS: BEFORE / AFTER EM	Forest surveillance using some sensors like fire,temperature,CO2 ,humidity sensors and many Al/ML and IOT derived solutions can be	offline: when the forest fire or will send to forest fire departs prevent the forest.
BEFORE:Encroachment,loss of diversity,decreased wild life AFTER:Forest surveillance systems can be used to monitor the forest areas so that we can prevent the people and wild lives and economic damage.	used to monitor the forest areas and they can alert the forest department if there is any symptoms of forest fire or any other suspicious activities.	