Team ID: PNT2022TMID45949

Emerging Methods for Early Detection of Forest Fires

Purpose/Vision

## 1.CUSTOMER SEGMENT(S)

**CS**

Who is your customer?

i.e. working parents of 0-5y.o.kids

**DeﬁneCS,ﬁtintoCC**

# Forest is a essential source of living beings from micro to macro organisms. It is a main concern to look into growth of forest in various regions. In order to support the Ministry of Environment, Forest and climatic change and for an immediate response to forest fire departments.

## 6.CUSTOMER CONSTRAINTS

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**CC**

The customer look into a specific feature in the product like the product should be cost efficient,easily available,secure and no loss of data will be the customer constraint.

## 5.AVAILABLESOLUTIONS

Which solutions are available to the customers when they face the problem Or need to get the job done?What have they tried in the past? What pros &cons do these solutions have? i.e.pen and paper is an alternative to digital note taking.

**AS**

In earlier cases machine learning models were devoloped with few dataset and now Artificial Intelligence method is introduced.

## 2.JOBS-TO-BE-DONE/PROBLEMS

Which jobs-to-be done(orproblems) do you address for your

**FocusonJ&P,tapintoBE,understandRC**

## J&P

**9. PROBLEM ROOT CAUSE**

What is the real reason that this problem exsts? What is the

## RC

1. **BEHAVIOUR**

## BE

c**ustomers? There could be more than one; explore different sides.**

The main problem of forest fire is due to High atmospheric temperature and dryness and due to human activites

back story behind the need to do this job?

# Forest fire may destroy the resources and living things like plant, human and animals. Ecxcess heat production, global warming and smoke are the reasons.

What does your customer do to address the problem and get the job done? i**.**e.directly related: ﬁnd the right solar panel installer, calculate usage and beneﬁts ;indirectly associated :customers spend free time on volunteering work(i.e.Greenpeace)

iThe customer must understand the problem completely and approach what are the very essential features required for the product,here the customer have to mention thet it

* 1. **TRIGGERS TR**

# The need and emergency to prevent the forest fire and to save millions of creatures to safeguard the resources ,plantations.

**IdentifystrongTR&EM**

* 1. **EMOTIONS:BEFORE/ AFTER EM**

**People will get become aware of forst fire and are able to respond**

People are really confused and scared ,had no idea how to over come the problem,after solution rhe feel happy,safe and secured with the product.

**10.YOURSOLUTION**

## Ifyouareworkingonanexistingbusiness,writedownyourcurrents olutionﬁrst,ﬁllinthecanvas,andcheckhowmuchitﬁtsreality.

**SL**

**Ifyouareworkingonanewbusinessproposition,thenkeepitblanku ntilyouﬁllinthecanvasandcomeupwithasolutionthatﬁtswithincus tomerlimitations,solvesaproblemandmatchescustomerbehavi our.**

The proposed solution is to use the mthod of artificial intelligence and train the model with large dataset and detect and to alert using a alarm.

**8.CHANNELS of BEHAVIOUR**

Whatkindofactionsdocustomerstakeonline?Extractonlinechannelsfro m#7

**CH**

The customer must think of immediate solution for protecting themselves fro the hazards.

The customer must try to inform the particular department or authority in prior about the need of safety.



**ExploreAS,differentiate**

**FocusonJ&P,tapintoBE,understandRC**

**Extractonline&ofﬂineCHofBE**

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