**Project Title: Emerging methods for early detection of forest fire Project Design Phase-I** - **Solution Fit Template Team ID:** PNT2022TMID48861

**Focus on J&P, tap into BE, understand RC**

**Explore AS, differentiate**

**Deﬁne CS, ﬁt into CC**

**AS**

**5. AVAILABLE SOLUTIONS**

* It will able to calculate and measure multiple parameters (Temperature, Humidity, etc.)
* It will process in any situation
* Low cost
* Low power consumption
* Low data requirement

**CC**

**6. CUSTOMER CONSTRAINTS**

**CS**

**1. CUSTOMER SEGMENT(S)**

* Our Project mainly useful for forest presiders
* Owners of group of plants and tress flats

**Explore AS, differentiate**

**Define CS, fit into CC**

**BE**

**7. BEHAVIOUR**

* It’s working depends on climate changes and heat.
* It will measure parameters continuously
* When the changes in parameters the deviating reading will send as alert to base station

**RC**

**9. PROBLEM ROOT CAUSE**

In forest, due to friction of trees there occur forest fire in summer and autumn and before happening forest fire we want emerging system to get quick information for taking action to avoid forest fire as soon as possible.

**J&P**

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

* It can place in anywhere to access in any distance
* Information rate is constant

**Focus on J&P, tap into BE, understand RC**

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| --- | --- | --- | --- | --- |
| **Identify strong TR & EM** | **3. TRIGGERS TR**   * It has more efficiency lifetime use * Secured information. * Public reach is easy | **10. YOUR SOLUTION SL**     * Fire detection in forest is hard, when a person monitor forest continuously is impossible * So only we introduce that in automation the device can monitor the forest time to be set. * No need too much power | 1. **CHANNELS of BEHAVIOUR CH**     * + Customers can buy the equipment’s through online by amazon.      + They can visit website and submit their quarries that will be solved more as possible. |  |
| **4. EMOTIONS: BEFORE / AFTER EM**   * No need to feel about inconvenience * It can reach its power * Work in heat condition |