**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 be able to calculate and detect the position of human body.
* It can detect upto its lens range in frame.
* Low cost
* Low power consumption
* Low delay of detection.

**CC**

**6. CUSTOMER CONSTRAINTS**

**CS**

**1. CUSTOMER SEGMENT(S)**

* Our Project mainly useful for Urban areas
* Owners of the swimming pool will have enhanced safety

**Explore AS, differentiate**

**Define CS, fit into CC**

**BE**

**7. BEHAVIOUR**

* It’s working depends on human body position
* It will measure depth the human according to time
* When abnormal activity of the human is found the alert will be send to the lifeguard.

**RC**

**9. PROBLEM ROOT CAUSE**

In the Swimming pool where its crowed with people it will be difficult for the life

guard to surveillance the whole pool by him/her self. Identifying the drowned

person in the crowd will be difficult from above.

**J&P**

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

* It can place in the deep section of the pool to measure the level of safety
* Information rate is live to the gaurd

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| --- | --- | --- | --- | --- |
| **Identify strong TR & EM** | **3. TRIGGERS TR**   * It has a more efficient way to watch the deep of the pools by the guards. * Real-time transferred information. * Public reach is easy. | **10. YOUR SOLUTION SL**     * The lifeguard cannot look into the water of deep so this device can alert it with the proper accuracy. * This kit is trained for the body detection of human beings underwater. * With an abnormal body position during swimming can alert the lifeguard. | 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 inconvenience * It will transfer data in high definition. * Work in high depths of water |