**VSB ENGINEERING COLLEGE, KARUR**

**Electronics and Communication Engineering**

**IBM NALAIYA THIRAN**

**Project Design Phase-I**

**Proposed Solution Template**

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| --- | --- |
| Date | 23 September 2022 |
| Team ID | PNT2022TMID33568 |
| Project Name | Project – Emerging methods for early detection of fire |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

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| --- | --- | --- |
| **S. No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | Forest fire prediction constitutes a significant component of forest fire management. It plays a major role in resource allocation, mitigation and recovery efforts. This paper presents a description and analysis of forest fire prediction methods based on artificial intelligence. A novel forest fire risk prediction algorithm, based on support vector machines, is presented. The algorithm depends on previous weather conditions in order to predict the fire hazard level of a day. |
|  | Idea / Solution description | * Avoid burning wastes around dry grass. * Don't start a fire on a windy day. * Use a can or fire pit. * Never burn household wastes when any regulations of wildfire prevention policy prohibit it. * Don't throw explosives and combustibles into the fire. |
|  | Novelty / Uniqueness | Whenever you smoke, douse your butts with water and place them in a fire-proof container to safely dispose of after you’re sure they’ve gone out. And whatever you do, don’t toss them on the ground.  The device detects the high temperature , if the forest burns , the smoke will be absorbed and it prevents the forest. |
|  | Social Impact / Customer Satisfaction | Forest fires cause a loss of natural resources, depleting of soil biomass resulting in the loss of various mobile nutrient |
|  | Business Model (Revenue Model) | * Drones * Robots * satellites. |
|  | Scalability of the Solution | Forest fire prediction constitutes a significant component of forest fire management. It plays a major role in resource allocation, mitigation and recovery efforts. This paper presents a description and analysis of forest fire prediction methods based on artificial intelligence. A novel forest fire risk prediction algorithm, based on support vector machines, is presented. The algorithm depends on previous weather conditions in order to predict the fire hazard level of a day -The problem is done. |