

**Project Design Phase-I**  
**Proposed Solution Template**

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|---------------|--|
| Date          | 03 October 2022                          |
| Team ID       | PNT2022TMID18327                         |
| Project Name  | Project - Early Detection Of Forest Fire |
| Maximum Marks | 2 Marks                                  |

**Proposed Solution Template:**

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

| S/no | Parameter                                | Description   |
|------|--|---|
| •    | Problem Statement (Problem to be solved) | A 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              | Use computer vision methods for recognition and detection of smoke or fire, based on the still images or the video input from the drone cameras.  |
| •    | Novelty / Uniqueness                     | Real time computer program detect forest fire in earliest before it spread to larger area.  |
| •    | Impact on society                        | Blocked roads and railway lines, electricity, mobile and land telephone lines cut, destruction of homes and industries.   |
| •    | Business Model (Revenue Model)           | The proposed method was implemented using the Python programming language on a Core i3 or greater ( CPU and 4GB RAM.)   |