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

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|---|---|
| Team ID | PNT2022TMID03543 |
| Team members | Dinesh p,chenimineni thanusha,M Amirdha Varshini,P Punyakoti |
| Project Name | Emerging methods for early detection of forest fires |
| 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) | The project presenting forest fires risk prediction algorithm using support vector machines.The algorithm totally depends upon the past weather conditions to predict the fire hazard chances of a day. |
| • | Idea / Solution description | Here we are using the method of computer vision for the recognition and deduction of the smoke caused by fire hazards with the help of images or the video input using drone cameras. |
| • | Novelty / Uniqueness | It is a real time computer based project which deducts the forest fire hazards earlier before its spreading to huge surface area. |
| • | Social Impact / Customer Satisfaction | The blockage of roads ,electricity cuts,and losing homes for many wild animals.destruction of roads,towers,homes,and industries. |
| • | Business Model (Revenue Model) | Implementing using python programming language on core I3 or greater [CPU and 4GB RAM]. |
| • | Scalability of the Solution | the project can enable land cover classification and fire hazard detection using satellites with the help of ground cameras. |