

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.) |
| • | Scalability of the Solution | Computer vision models enable land cover classification and smoke detection from satellite and ground cameras |