Project Design Phase-I PROPOSED SOLUTION TEMPLATE

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID09860 |
| Project Name | Early detection of forest 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** |
| 1. | Problem Statement (Problem to be solved) | This project is an attempt to use convolutional neural networks (CNN) to detect the presence or the start of a forest fire in an image. The idea is that this model could be applied to detect a fire or a start of a fire from (aerial) surveillance footage of a forest. The model could be applied in real-time to low-framerate surveillance video (with fires not moving very fast, this assumption is somewhat sound) and give alert in case of fire. |
| 2. | Idea / Solution description | Government Regulations.  Banning Clear-Cutting of Forests.  Reforestation and Afforestation.  Reduce Consumption of Paper.  Educate Others.  Eat Less Meat.  Purchase from Sustainable, Forest-Friendly Companies.  Reduce Consumption of Deforestation Prone Products. |
| 3. | Novelty / Uniqueness | These events are mainly caused by the actions of humans, but different nature and environmental phenomena, like lightning strikes or spontaneous combustion of dried leafs or sawdust, can also be credited for their occurrence. Regardless of the reasons for the ignition of the forest fires, they usually cause devastating damage to both nature and humans. Forest fires are also considered as a main contributor to the air pollution |

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| 4. | Social Impact / Customer Satisfaction | Social capability is especially striking for understudies who are arranged into one of the great frequency handicap gatherings like explicit learning inabilities, mental impediment, close to home unsettling influence, or consideration shortfall/hyperactivity jumble. Among the most famous of the educational methodologies for these understudies have been interactive abilities preparing (SST). Different meta- examinations of the writing recommend that SST has not delivered enormous, socially significant, long haul, or summed up changes in friendly capability of understudies with high- rate handicaps. Likely clarifications for the powerless impacts in some meta-examinations are talked about and explicit proposals are presented for planning and creating more  successful SST mediations. |
| 5. | Business Model (Revenue Model) | Various postings for various work jobs and occupation positions are posted at various sources in the enrolment business. Thusly, this is a difficult and tedious errand to gather the data and figure out most important client work association planning as indicated by the abilities and inclinations of a client. This examination work has been finished to conceal this equivalent issue and endeavours have been made to give a doable and productive answer for something very similar. We propose a substance based suggestion motor, which consequently, gives best ideas to clients by coordinating their inclinations and abilities with the elements of a task posting. To create an expected suggestion, the proposed motor applies different text channels and element  similitude estimations |
| 6. | Scalability of the Solution | The present Recommender framework is a somewhat new area of examination in AI. The recommender framework's fundamental thought is to fabricate connection between the items, clients and go with the choice to choose the most proper item to a particular client.  There are four principal ways that recommender frameworks produce a rundown of proposals for a client - content-based, Cooperative, Segment and half-breed sifting. In satisfied based sifting the model purposes details of a thing to suggest extra things with  comparative properties. |