**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 24 September 2022 |
| Team ID | PNT2022TMID14000 |
| Project Name | Project - 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.

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | Detecting forest fires in an early stage to avoid massive damage. |
| 2. | Idea / Solution description | Identifying huge forest fires in real-time utilising AI algorithms with camera and satellite footage.  The systems then notify dispatchers and local authorities about the new ignition |
| 3. | Novelty / Uniqueness | Convolutional Neural Network system allows us to deliver information more quickly and accurately. It is possible to deploy a comprehensive coverage, which is nearly impossible. |
| 4. | Social Impact / Customer Satisfaction | Monitoring of the potential danger regions and early identification of fire can greatly minimise the response time, as well as potential damage and firefighting expenses, while also saving many lives. |
| 5. | Business Model (Revenue Model) | Subscription Model |
| 6. | Scalability of the Solution | Despite the physical distance between resources and users, its regionally scalable system maintains its usability and utility; |