**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 19 September 2022 |
| Team ID | PNT2022TMIDxxxxxx |
| Project Name | Project - xxx |
| 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** |
|  | Problem Statement (Problem to be solved) | A large patch of forest under fire is an irreplaceable loss of many lives and species. It has an after effect for a long period of time in the locality. The atmosphere is not breathable for humans. This insists for an idea to be developed to detect and reduce the effects of forest fire. |
|  | Idea / Solution description | Satellites is used for the source of data prior to and during the fire. To employ real-time forest fire detection and prediction approaches with the goal of informing the local fire authorities. |
|  | Novelty / Uniqueness | Instead of using ground-based methods like camera or video-based approach for data collection, satellite data is more resourceful. |
|  | Social Impact / Customer Satisfaction | Satellite data is reliable and efficient. The aftereffects of the forest fire can be reduced to a great extent and more damage can be prevented. |
|  | Business Model (Revenue Model) | The targeted customers being the government specially the forest department, weather department, NGOs handling environments which increases the revenue in a steady way. |
|  | Scalability of the Solution | This is highly scalable as other resources can be scaled using IBM cloud. |