**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID40555 |
| Project Name | AI based on Emerging Methods for Early Detection 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** |
|  | Problem Statement (Problem to be solved) | Loss of valuable timber resources. degradation of catchment areas. loss of biodiversity and extinction of plants and animals. loss of wildlife habitat and depletion of wildlife. |
|  | Idea / Solution description | The Bosch environmental sensor installed in this forest-fire detection system is the world's first gas sensor to feature artificial intelligence and the first to be deployed as an early wildfire warning tool. It can detect various gases, including fire gases such as hydrogen, carbon monoxide, and most hydrocarbons. |
|  | Novelty / Uniqueness | By detecting a fire quickly and accurately (i.e., by not sacrificing speed or causing false alarms) and providing early warning notification, a fire-detection system can limit the emission of toxic products created by combustion, as well as global-warming gases produced by the fire itself. |
|  | Social Impact / Customer Satisfaction | The forest fires destroys the wildlife habitat, damages the environment, affects the climate, spoils the biological properties of the soil, etc |
|  | Business Model (Revenue Model) | A company's core strategy for profitably doing this project. |
|  | Scalability of the Solution | This project helps to avoid impact on animals and prevent environmental pollution.This help to reduce huge damage created by the fire .In our project,we can early know the fire by |