**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID37986 |
| 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** |
|  | Problem Statement (Problem to be solved) | Reforestation and Afforestation  Purchase from sustainable, forest friendly companies  Reduce consumption of Deforestation paper |
|  | Idea / Solution description | Control over forest fire  Fix sensors to detect the fire and smoke  Protection of forest  Proper utilisation of forest products and forests |
|  | Novelty / Uniqueness | Detection of forest fire and smoke in wild land areas is done through remote sensing – based Methods such as satellites, high-resolution static, cameras fixed on the ground, and unmanned aerial vehicles. |
|  | Social Impact / Customer Satisfaction | Forest fires create positive feedbacks in future fire susceptibility,fuel loading,and fire intensity |
|  | Business Model (Revenue Model) | Outdoor CO2 sensors for forest fire detection |
|  | Scalability of the Solution | Forest are the essential part of our ecosystem,and thus it is our responsibility to preserve and protect it for our future generations,wild life species and quality of life |