**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 06 May 2023 |
| Team ID | NM2023TMID14700 |
| Project Name | Drowsiness detecting and alerting system |

**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) | Construct a smart alert technique for building intelligent vehicles that can automatically avoid drowsy drivers. |
|  | Idea / Solution description | An alarm/buzzer is raised to warn drivers that they need to rest or break. At the same time the information is passed to the fleet management control room. |
|  | Novelty / Uniqueness | Driver drowsiness detection system is the proprietary AI-based solution using a vision-based analysis system to detect driver fatigue, drowsiness, and distraction. |
|  | Social Impact / Customer Satisfaction | This system is used to locate, track, and analyse both the drivers face and eyes, a scientifically supported measure to detect drowsiness.this can save driver’s lives. |
|  | Business Model (Revenue Model) | This safety technology that helps to prevent damages occurs due to company drivers and thus can reduce accidents caused by the truck drivers. |
|  | Scalability of the Solution | safety technology that helps to prevent and thus reduce accidents caused by the driver |