Project Design Phase-I Proposed Solution

| Date | 03 October 2022 |
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| Team ID | PNT2022TMID00595 |
| Project Name | Lifeguard for swimming pools |
| Maximum Marks | 2 Marks |

**Proposed Solution :**

| **S.No.** | **Parameter** | **Description** |
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| 1. | Problem Statement (Problem to be solved) | In day to day life we hear about several water accidents.Especially children drowning in swimming pools. To reduce this kind of accidents, a virtual eye Lifeguard is designed. |
| 2. | Idea / Solution description | This Lifeguard is designed to send signals when a swimmer is drowned or facing any critical situation and about to drown in water. The network of video cameras mounted  above and below the water covers the  entire pool surface to identify and pinpoint  any dangers. |
| 3. | Novelty / Uniqueness | Artificial intelligence is a vital aid that  alerts lifeguards to the telltale signs of a  swimmer in distress, helping to prevent  drownings. |
| 4. | Social Impact / Customer Satisfaction | Virtual eye lifeguard triggers an immediate alarm if a swimmer is in peril, helping to avoid panic even in critical situations.  Because, keeping everyone safe is more  than a job; it’s a mission. |
| 5. | Business Model (Revenue Model) | The combination of cameras and panted  LED system, the water just got a whole lot  safer. |
| 6. | Scalability of the Solution | Designed for those who had to guarantee everyday the safety in public and intensive-use pools, Virtual eye lifeguard detects potential drownings and promptly notifies you. It features the latest artificial intelligence technology and adapts to the needs of the user. It’s the ultimate  drowning detection system for those who demand the ultimate in safety. |