**Project Design Phase-I**

**Proposed Solution**

|  |  |
| --- | --- |
| Date | 19 September 2022 |
| Team ID | PNT2022TMID49865 |
| Project Name | Virtual Eye – Life Guard for Swimming Pools to Detect Active Drowning |
| Maximum Marks | 2 Marks |

**Proposed Solution:**

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | Detection of active drowning in swimming pools and alert the life guards and to save the person who is drowning. |
|  | Idea / Solution description | When the swimmer is drowning the camera detects it and alert the lifeguards by producing alarm sounds. And after the detection the automatic lifejackets will be popped in the drowning area for faster safety. Every swimmer had to wear the sensor gadgets also to monitor their breathing activities. |
|  | Novelty / Uniqueness | Pulse detection using sensor gadgets and automatic lifejackets. |
|  | Social Impact / Customer Satisfaction | The videos and images on the working of the model and recorded videos can be shown to the customers for their satisfaction. |
|  | Business Model (Revenue Model) | This model can be recommended to other swimming pools if the working of the model leads to the more safety of the customers. Customers can also recommend this to others with their usage experience. |
|  | Scalability of the Solution | With the help of sound alarm the lifeguards will be alerted quickly. In case lifeguards are not attentive the automatic lifejacket plays a major role in saving the customer from drowning. |