**Project Design Phase-I**

**Solution fit Template**

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| Date | 31 October 2022 |
| Team ID | PNT2022TMID39505 |
| Project Name | Project - virtual Eye-life guard swimming pools to detect active drowning |
| Maximum Marks | 2 Marks |

**Solution fit Template:**

Project team shall fill the following information in solution fit template.

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | Such kinds of deaths account for the thied cause of unplanned death globally,withabout 1.2 million case yearly.To overcome this conflict, a meticulous system is to be impelemented along the swimming pools to save human life. |
|  | Idea / Solution description | **Pulse oximeter**s make it possible to detect a drop in oxygen saturation, which may indicate the loss of consciousness under water and the initial stage of drowning. The addition of a small optical sensor to commonly used pool wristbands is a convenient solution both for swimming pool visitors and staff. However, no such devices available on the market can be treated as a “gold standard”. The system is not designed to replace a lifeguard or others human monitor,but to acts as an additional tool. |
|  | Novelty / Uniqueness | It helps the life guard to detect thr underwater situvation where they can't easily observe. |
|  | Social Impact / Customer Satisfaction | Expected to perform rescues to prevent drowings and to provide immediate first aid and CPR. |
|  | Business Model (Revenue Model) | almost every one earns 2,360EUR or less in spain. |
|  | Scalability of the Solution | 1.local health aware probelm.  2.local health aware suspicion.  3.buddy system. |