

Project Design Phase-I Solution fit Template

Date	31 October 2022
Team ID	PNT2022TMID51401
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.

S.No.	Parameter	Description
•	Problem Statement (Problem to be solved)	Such kinds of deaths account for the third cause of unplanned death globally, with about 1.2 million cases yearly. To overcome this conflict, a meticulous system is to be implemented along the swimming pools to save human life.
•	Idea / Solution description	<u>Pulse oximeters</u> 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 other human monitor, but to act as an additional tool.
•	Novelty / Uniqueness	It helps the lifeguard to detect the underwater situation where they can't easily observe.
•	Social Impact / Customer Satisfaction	Expected to perform rescues to prevent drownings 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 problem. 2. local health aware suspicion. 3. buddy system.