

Project Design Phase-I
Proposed Solution Template

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID45666 |
| Project Name | Virtual Eye-Life Guard for Swimming Pools to Detect Active Drowning |
| Maximum Marks | 2 Marks |

Proposed Solution Template:

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

| S.No. | Parameter | Description |
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| 1. | Problem Statement (Problem to be solved) | A swimming pools responsible or concerned person must use cutting-edge AI- based analyzing software to identify drowning and that related activities and also other characteristics. At the time of identification, the user must also be aware of the take an immediate action to save the drowning person. |
| 2. | Idea / Solution description | <p>Main Solution:</p> <ul style="list-style-type: none"> • Clear and proper identification of the given input data. • Provide drowning facts based on the obtained data. • Drowning person analysis and monitoring as per the user's situations. <p>Additional benefits:</p> <ul style="list-style-type: none"> • Analysis of daily monitoring and controlling the pools • Daily tracking and monitoring of persons in swimming pools |
| 3. | Novelty / Uniqueness | <ul style="list-style-type: none"> • The availability of drowning prevention plans with add- on bonuses • Suggestion of drowning prevention remedies and simple solutions for basic problems. |

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| | | <ul style="list-style-type: none"> • An individualized person can be monitored in drowning time or other activities • Make a basic medical facilities. |
| 4. | Social Impact / Customer Satisfaction | <ul style="list-style-type: none"> • Secure swimming practice development • It reduce the swimming pool drowning activities and save the life of many persons. |
| 5. | Business Model (Revenue Model) | <ul style="list-style-type: none"> • Adopt a specialized drowning prevention plan under the direction of an expert. • Advertise and create a awareness of monitoring and security . • Promotion for fitness important and hospitals. |
| 6. | Scalability of the Solution | <ul style="list-style-type: none"> • Improving accuracy by expanding the data collection using user drowning situation • Storage requirements of a data. • User friendly UI for everyone to use and get benefit from it. |