Virtual Eye-Life Guard for Swimming Pools to Detect Active Drowning

PROBLEM STATEMENT

In this research, the problem statement focuses on the point of active drowning happening in swimming pools due to unforcing situations. Beginners, in particular, frequently find it challenging to breathe underwater, which results in respiratory issues and ultimately, a drowning disaster. Thereby, the scope of this research would be coming up with an AI assistant - Virtual Eye.

Virtual Eye is an underwater pool safety system that lowers the chance of drowning by analysing body movement patterns and integrating cameras with Artificial Intelligence in-built systems. Also, there is a need to deploy an IoT-based device to monitor, discover, track and locate anyone in danger of drowning in a water body and alert lifeguards to save them. Thereby, Virtual Eye helps in minimizing the unpredictable situations due to drowning.

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