**Project Design**
**Phase-I Solution**
**Architecture**

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| Date | 16 October 2022 |
| Team ID | PNT2022TMID19932 |
| Project Name | Virtual Eye - Life Guard for Swimming Pools toDetect Active Drowning |
| Maximum Marks | 4 Marks |

**Solution Architecture:**

- By studying body movement patterns and connecting cameras to artificial intelligence (AI) systems we can devise an underwater pool safety system that reduces the risk of
- drowning. Usually, such systems can be developed by installing more than 16 cameras underwater andceiling and analyzing the video feeds to detect any anomalies.
- but AS a POC we make use of one camera that streams the video underwater and analyses the position of swimmers to assess the probability of drowning, if it is higher then an alert will begenerated to attract lifeguards' attention.

**Solution Architecture Diagram:**