# Project DesignPhase-ISolutionArchitecture

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| Date | 16October2022 |
| TeamID | **PNT2022TMID40735** |
| ProjectName | VirtualEye- LifeGuardforSwimmingPoolstoDetectActiveDrowning |
| MaximumMarks | 4Marks |

**SolutionArchitecture:**

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,suchsystems canbedevelopedbyinstalling morethan16camerasunderwaterandceilingandanalyzingthevideofeeds to detect anyanomalies.

butASa POCwe makeuseofonecamerathatstreamsthevideounderwater andanalysestheposition of swimmers to assess the probability of drowning, if it is higher then an alert will begeneratedtoattractlifeguards' attention.

# SolutionArchitectureDiagram:

