PROJECT DESIGN
PHASE-1

Date :	05 October 2022
Team ID :	PNT2022TMID00795
Project Name :	VIRTUALEYE - LIFE GUARD FOR SWIMMING POOLS TO DETECTACTIVE DROWNING

Solution Architecture

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions.Its goals are to:

1. Find the best tech solution to solve existing business problems.

2. Describe the structure, characteristics, behavior, and other aspects of thesoftware to project stakeholders.

3. Define features, development phases, and solution requirements.

4. Provide specifications according to which the solution is defined, managed, and delivered.

Solution Architecture Diagram:

Video Frames

YOLOv7

Detect humans

Drowning

NO

YES

Showcase on UI

Showcase on UI
& Trigger Alarm

IBM Cloudant DB