Project Title: **Project Design Phase-I - Solution Fit Template** **Team ID:** PNT2022TMIDxxxxxx

Define CS, fit into CC

1. CUSTOMER SEGMENT(CS)

CS

1. Pool manager
2. swimmers
3. landlubber
4. Resorts,Star hotels

5. CUSTOMER CONSTRAINTS

C

Saving life
Faster detection
Prevention is better

9. AVAILABLE SOLUTION

AS

YOLO model algorithm employs CNN using depth sensor to detect the drowning person in the swimming pool.

Explore AS, differentia

Focus on J&P, tap into BE, understand RC

2. JOBS-TO-BE-DONE/ PROBLEMS

If it is someone drown inside the swimming pool it makes them take an excess amount of water content which affects the internal organs and sometimes it may be the cause of death.Detection the person the work will be done.

6. PROBLEM ROOT CAUSE

RC

To prevent accidental drowning during swimming information acquired by a Intel RealSense sensor.

It gives the false positive.

10. BEHAVIOUR

1. Find an appropriate camera installer and system operator.
2. The lifeguard take effective action in emergency situation.
3. Saving people life.

3. TRIGGERS

When there is no drowning detection technique unwanted drowning and death will arise.

4. EMOTIONS: BEFORE / AFTER

EM

Before: Tensed
After: Relaxed

10. YOUR SOLUTION

SL

Using YOLOV7 a real time cost effective system that can identify drowning swimmers has been developed. It after a variety of features, including setting off alarm and displaying the precious location of someone who is drowning.

8. CHANNELS of BEHAVIOR

Social media and blogs

Identify