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

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

**Explore AS, differentiate**

**Deﬁne CS, ﬁt into CC**

**AS**

**9. AVAILABLE SOLUTION**

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

Saving life

Faster detection

Prevention is better

**CC**

**5. CUSTOMER CONSTRAINTS**

**CS**

1. **CUSTOMER SEGMENT(CS)**

1. Pool manager

2. swimmers

3. landlubber

4. Resorts,Star hotels

rR

5. other pool cleaner.

**Explore AS, differentiate**

**Define CS, fit into CC**

**BE**

**RC**

**6. PROBLEM ROOT CAUSE**

To prevent accidental drowning during swimming information acquired by a Intel RealSense sensor. It gives the false positive.

**J&P**

**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.

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

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**10. BEHAVIOUR**

1. Find an appropriate camera installer and system operator.

2. The lifeguard take effective action in emergency situation.

3. Saving people life.

**Identify strong TR & EM**

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| **Identify strong TR & EM** | **3. TRIGGERS**  **When there is no drowning detection technique unwanted drowning and death will arise.** | **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.** | 1. **CHANNELS of BEHAVIOR**   Social media and blogs |  |
| **4. EMOTIONS: BEFORE / AFTER EM**  Before: Tensed  After: Relaxed |