# PROJECT TITLE: Project Phase-I – Problem-Solution fit TEAM ID:PNT2022TMID26995

## 1. CUSTOMER SEGMENT(S)

Any swimmers and kids/elderly people who are at the initial stage of swimming can use this project to safeguard themselves from accidental drowning by the help of this device and pool lifeguard.

**Deﬁne CS, ﬁt into CC**

## 6. CUSTOMER CONSTRAINTS

Spending power,budget,no cash,network connection, available device.

## 5. AVAILABLE SOLUTIONS

Fire fighters and trained swimmer

## PROBLEMS



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

* + Beginners, often feel it difficult to breathe underwater which causes breathing trouble which in turn causes a drowning accident in swimming pool
  + As water is much denser than air, so there is much more resistance preventing people from being able to move through it quickly and freely so sometimes eventhe experienced people will find difficulty to swim .

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**J&P**

## PROBLEM ROOT CAUSE

* + The main problem is an alert is being sent to Lifeguard only after the person is drowned down .
  + However, they cannot save a person before drowning down

**RC 7. BEHAVIOUR BE**

* + - Saving people life

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

* + - Take effective action in emergency situation
    - Attentive and energetic

**AS**

**CC**

**CS**

**Explore AS, differentiate**

## TRIGGERS

**CH**

1. **.CHANNELS of BEHAVIOUR**
   1. **ONLINE**

**SL**

**10. YOUR SOLUTION**

**TR**

**Extract online & ofﬂine CH of BE**

The triggers are seeing

We make use of one camera that streams the video under water and

analyse the position of swimmers to assess the

probability of drowning .

people drowning and the lifeguards are not well trained enough to handle these situations.

Ordering of drowning detectors or pool lifeguards

**Identify strong TR &**

## EMOT IONS: BEFORE / AFT ER

**8.2 OFFLINE**

Implementing them to wear them without fail.

**EM**

Before the detection of active drowning there were many drowning accident worldwide after this ,they can only save the drowning person after he/she is drowned down by sending an alert to Lifeguard