Project Title: **VirtualEye - Life Guard For Swimming Pools To Detect Active Drowning**

Project Design Phase-I - **Solution Fit**   **Team ID:** PNT2022TMID31103

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) `CS`
Who is your customer?

- People and kinds Security Guard
- Beach and Parks
- Homes , Hotels and Malls
- Where there is a swimming pool, there is also needed

6. CUSTOMER CONSTRAINTS `CC`
What constraints prevent your customers from taking action or limit their choices of solutions?

- This is basically a web application , Which is Supported in almost all devices.
- The easy graphical representation make a clear understanding for all people.
- The Results for their problem will be in minute .

5. AVAILABLE SOLUTIONS `AS`
Which solutions are available to the customers when they face the problem

or need to get the job done? What have they tried in the past? What pros & cons do these solutions have?

In this project, we'll build a **drowning detector program**. We are using YOLO object detection and can detect whether a person is drowning or it's a normal person.

Explore AS, differentiate

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

2. JOBS-TO-BE-DONE / PROBLEMS
Which jobs-to-be-done (or problems) do you address for

- IT'S EFFCIENT METHOD OF EVERY HUMAN CARE WATER RESOURCE MANAGEMENT
- EVERY RESCUSE DEPARTMENT EASILY IDENDIFIED WHO FACED ISSUES DURING SWIMMING BY OUR HIGH EFFIENT METHODE
- FASTEST EFFECTIVE METHODE TO IDENDIFIED AND SOLVED THE ISSUES

9. PROBLEM ROOT CAUSE `RC`
What is the real reason that this problem exists? What is the back

- kind of super-vision model is not very reliable for the ability of lifeguardsto deal with emergencies is weak
- the rescue speed of drowned swimmers is also very slow.
- it is hardfor lifeguards to maintain a high concentration of attentionfor a long time.

7. BEHAVIOUR `BE`
What does your customer do to address the problem and get the job done?
usage and benefits; indirectly associated: customers spend free

- Its saves many of people's life and makes their process faster.
- By using our product , they able to saves a lot of
- money spend for a expert.
- It improves their field growth with our product.
- It ensures the causes previously and provide solutions before the drowning happens.

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

3. TRIGGERS `TR`
What triggers customers to act?

PEOPLE AND MAINLY KIDS FACED DROWNING ISSUES DURING SWIMMING

10. YOUR SOLUTION `SL`
If you are working on an existing business, write down your current solution first, fill in the canvas, and check how much it fits reality.
If you are working on a new business proposition, then keep it blank until you fill in the canvas and come up with a solution that fits within customer limitations, solves a problem and matches customer behaviour.

- Let's understand how this project is used to detect a drowning person.
- So, the initial step is to identify the person first and draw a blue rectangle box around them.
- After drawing the rectangular box, this project store the center position of the person from the created rectangular box.

8. CHANNELS of BEHAVIOUR `CH`
8.1 ONLINE
What kind of actions do customers take online? Extract online channels from #7

8.2 OFFLINE
What kind of actions do customers take offline? Extract offline channels from se them for customer development.

- Their Data analyzed early with help of cloud rendering
- Its Highly improves People's Security and reduces the most of the dangerous cases by water drowning

4. EMOTIONS: BEFORE / AFTER

How do customers feel when they face a problem or a job and afterwards?

EM

MORE PEOPLE'S FACED DROWNING ISSUES,
SOME CASES CASUED SEVIER PROBLEM IN
SWIMMERS AND KIDS