Date	19 October 2022	
Team ID	PNT2022TMID49179 Virtual Eye - Life Guard for Swimming Pools to Detect Active Drowning	
Project Name		
Maximum Marks	4 Mark	

Define CS, fit into	1. CUSTOMER SEGMENT(S) Every candidate attending a National Pool Lifeguard Qualification (NPLQ) course must be 16-years-old and jump or dive into deep water. swim 50 metres in less than 60 seconds. The average age of an employed certified lifeguard is 26 year old.	6. CUSTOMER CONSTRAINTS In this a best Pulse Rate sensor is used to detect the pulse rate of every swimmer it helps to prevent fro drowning accident .	5. AVAILABLE SOLUTIONS Prediction process take place only after drowning But we used Deep learning algorithm for Pulse rate detection so that there is a chance for predicting the drowning accident at earlier stage Merits: predict before drowning under water Demerits: If network is not available then it doesn't give a result.
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 even the experienced people will find difficulty to swim.	9. 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	7. BEHAVIOUR • Saving people life • Take effective action in emergency situation • Attentive and energetic BE understand
Identify strong TR &	3. TRIGGERS 1. Detect the pulse Rate of swimmer 2. Send an alert message to the LlfeGuard 3. Helpful for earlier prediction of drowning	Swimming is one of the best exercise that reduce the stress but because of certain reason the drowning accident take place In our project we used pulse rate detection so there is an chance for earlier prediction and help to avoid the drowning	8. CHANNELS of BEHAVIOUR 1. ONLINE 1. Accurate pulse rate detection 8.2 OFFLINE Unaccurate pulse rate detection
	4. EMOTIONS: BEFORE / AFTER 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	accident.	8.2 OFFLINE Unaccurate pulse rate detection CH Of