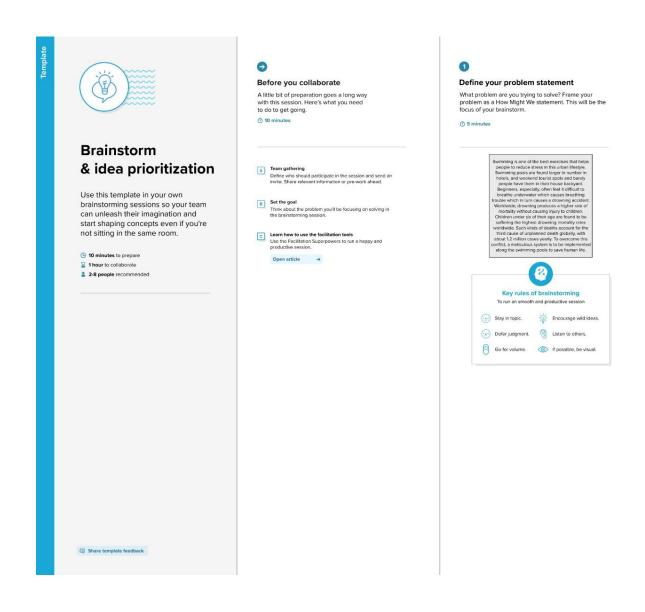
Ideation Phase

Brainstorm & Idea Prioritization Template

Date	24 September 2022		
Team ID	PNT2022TMID02240		
Project Name	Virtual Eye – Life Guard for Swimming		
	Pools to Detect Active Drowning		
Maximum Mark	4 marks		

Step 1: Team Gathering, Collaboration and Select the Problem Statement



Step 2: Brainstorm ideas



Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

ROHIT M

Active contours are used in an automatic videobased drowning detection system.

Detecting drowning victims with underwater cameras Using location monitoring to identify drowning victims

Drone-based drowning detection utilising the COROLA and CNN algorithms

SHRIJEETH S

An alert is sent as SMS to the life guard phone when drowning happens.

Using CNN and RNN to Classify Drowning Persons from Live Video Using yolo object detection, the system can determine if a person is drowning or swimming.

Swimming pose estimation using keypoints in the human body

SAATHVIK KRISHNAN

Rescue people by detecting turbulence under water

An infrared light sensor is placed in a no swim zone to give an alert Bluetooth based wristband to detect human pulses and alerts lifeguard

Al camera to monitor any unusual activity which alerts in an emergency

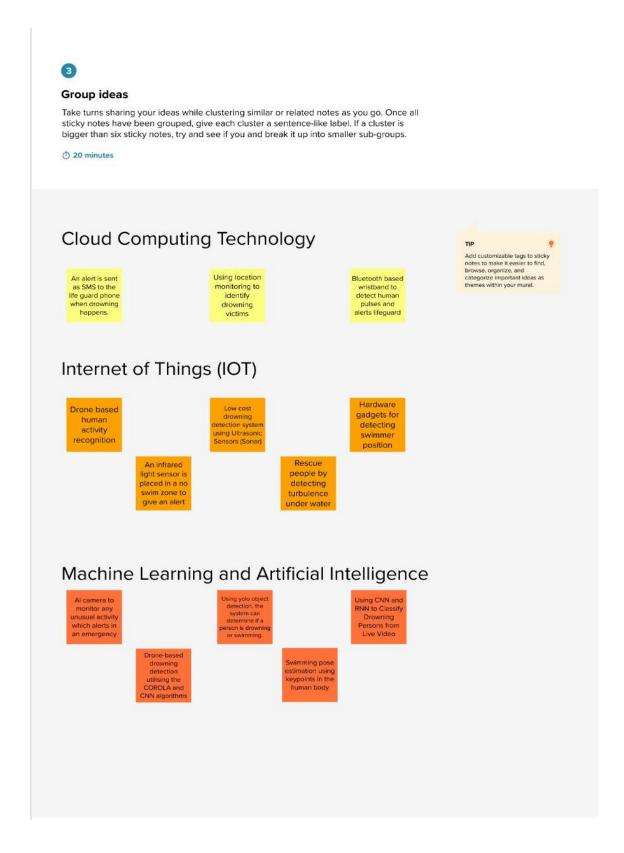
SIDHARTH RAJ M

Hardware gadgets for detecting swimmer position

Drowning detection system using Sentag innovative wearable safety technology Drone based human activity recognition

Low cost drowning detection system using Ultrasonic Sensors (Sonar)

Step 3: Idea listing and grouping



Step 4: Idea Prioritization



Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

① 20 minutes





Feasibility

Regardless of their importance, which tasks are more feasible than others? [Cost, time, effort, complexity, etc.]