

Ideation Phase Problem Statements

DATE	13 October 2022
TEAM ID	PNT2022TMID51072
PROJECT NAME	Virtual Eye - Life Guard For Swimming Pools To Detect Active Drowning
MAXIMUM MARKS	2 Marks

DROWNING is a major problem

Stages of Drowning:

STAGE 1	STAGE 2	STAGE 3	STAGE 4	STAGE 5
Shocking surprise	Involuntary Breath Holding	Unconsciousness	Hypoxic Convulsions	Clinical Death
This initial stage is characterized by the shock of drowning and difficulty in breathing. The person starts to show a higher level of distress and attempts to reach the surface of the water, but in the vertical direction	Involuntary Breath Holding: In this stage attempt to come to surface of water stops. He starts involuntary breath holding. Water has entered the mouth, causes the epiglottis to close. The victims gradually become unconsciousness, as breath is stopped.	The victim becomes unconscious, and the body starts to sink to the bottom of the water. Unless breathing is re-established, the victim remains unconscious	The oxygen level in the brain reduces drastically. The victim's skin turns blue, especially in the lips and fingernail beds	Death is the final stage of drowning