

# Project Design Phase-II

## Customer Journey Map

Team ID	PNT2022TMID25825
Team Name	Dementors
Project Name	VirtualEye – Lifeguard for Swimming Pools for Active Drowning

1 Phases				
High-level stage your user needs to accomplish from start to finish				
2 Steps				
Detailed actions your user has to perform				
3 Feelings				
What your user might be thinking and feeling at the moment				
4 Pain points				
Problems your user runs into				
5 Opportunities				
Potential improvements or enhancements to the experience				

To detect the problem

Finding an appropriate sensor to the problem

What we need to implement

How to implement creatively

Detect the Pulse rate from pulse rate sensor

To detect the pulse rate of person using sensor

To find over pulse rate of swimmer

To find drowning person

By pulse rate

By sensor

Pulse rate detection

To detect Pulse rate Of swimmer

Using deep learning algorithm

It detect pulse rate in digital watch



Easy for the Lifeguard to save people life

Low death

Earlier prediction can be possible

Earlier prediction to save life of a swimmer

Lifeguard can save most of the life

Saving life of every individual

Should be alert all time

The model helps to predict about Pulse rate of swimmer

Lifeguard should be ready and alert all time is difficult task

Implement the good sensor

Real-Time Pulse rate Monitoring

Continuous monitoring



It is difficult to know if the sensors are not working unexpectedly

Life can be saved because of earlier predict

It requires an unlimited or continuous internet connection

Sometimes sensor may fail to work

They need maintenance For proper functioning

Always Lifeguard should be available

proper prediction is needed

Due to network issues the alarm message will be delivered lately

If the program is not properly installed in the device then the device may not to be work

Sometimes cant find correct drowning person

It is because of 3 or more number of drowning happens

There is a chance of losing pulse rate of swimmer

Lifeguard should know little about Normal pulse rate

communication between Lifeguard and swimmer

It can reduce the drowning accident

Cannot save everyone life

No measures are taken due to some external cases

Lifeguard cannot save life of swimmer if a sensor takes more time to sense

Pulse rate is detected automatically

Pulse rate can detected using the deep learning algorithm

It provides information quickly and accurately

It can be used to monitor pulse rate of swimmer to Detect drowning

Becomes handy to save swimmer Life earlier

high quality of sensor is needed

Saves the more people rate

Makes lower death

Accurate prediction is needed

It reduces the swimmer death

Saves Lot of swimmer life

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