

# Project Design Phase-II

## Customer Journey

Date	21 October 2022
Team ID	PNT2022TMID18614
Project Name	Virtual eye – lifeguard for swimming pools for active drowning
Maximum Marks	2 Marks

<b>1 Phases</b> <small>High level steps your user needs to complete from start to finish</small>	Detect the problem	Finding an appropriate answer to the problem	What we need to implement	How to implement carefully
<b>2 Steps</b> <small>Detailed actions your user has to perform</small>	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 To detect pulse rate in digital watch Using deep learning algorithm
<b>3 Feelings</b> <small>Notes your user might be thinking and feeling at the moment</small>	<div>           Easy for the Lifeguard to recognize save people life            Low death            Earlier prediction can be possible         </div> <div>           It is difficult to know if the sensors are not working unexpectedly         </div>	<div>           Earlier prediction to save life of a swimmer            Lifeguard can save most of the life            Saving life of every individual         </div> <div>           Life can be saved because of earlier predict         </div>	<div>           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         </div> <div>           It requires an unlimited or continuous internet connection            Sometimes sensor may fail to work         </div>	<div>           Implement the good sensor            Real Time Pulse rate Monitoring            Continuous monitoring         </div> <div>           They need maintenance if for proper functioning            Always Lifeguard should be available            Proper prediction is needed         </div>
<b>4 Pain points</b> <small>Problems your user runs into</small>	<div>           Due to network issues the sensor message will be delivered slowly         </div> <div>           If the program is not properly installed in the device then the device may not to be work         </div>	<div>           Some times 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         </div>	<div>           Lifeguard should know time about Normal pulse rate            Communication between Lifeguard and swimmer            It can reduce the drowning accident         </div>	<div>           Cannot save everyone life            No measures are taken due to some external cause            Lifeguard should save life of swimmer if possible         </div>
<b>5 Opportunities</b> <small>Potential improvements or enhancements to the experience</small>	<div>           Pulse rate can be detected automatically         </div> <div>           Pulse rate can be detected using the deep learning algorithm         </div>	<div>           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         </div>	<div>           High quality of sensor is needed            Saves the more people rate            Makes lower death         </div>	<div>           Accurate prediction is needed            It reduces the swimmer death            Saves life of swimmer life         </div>