

# Project Design Phase – II

## Customer Journey Map

Date	17 October 2022
Team ID	PNT2022TMID06197
Project Name	VirtualEye – Life Guard for Swimming Pools to Detect Active Drowning
Maximum Marks	2 Marks

1 Phases	To detect the problem			Find an appropriate answer to the problem			What we need to implement			How to implement creatively		
High-level steps your user needs to accomplish from start to finish												
2 Steps	To detect the problem			Find an appropriate answer to the problem			What we need to implement			How to implement creatively		
Detailed actions your user has to perform	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
3 Feelings	To detect the problem			Find an appropriate answer to the problem			What we need to implement			How to implement creatively		
What your user might be thinking and feeling at the moment	Easy for the Life Guard 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 a difficult task	Implement the good type of sensors	Real-Time Pulse rate monitoring	Continuous monitoring
	It's difficult to know if the sensors are not working unexpectedly			Life can be saved because of earlier prediction			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
4 Pain points	To detect the problem			Find an appropriate answer to the problem			What we need to implement			How to implement creatively		
Problems your user runs into	Due to network issues the alarm message will be delivered lately	If the program is not properly inserted in the device may not be work		Some times can't find correct drowning person	Its 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	Can't save everyone life	No measures are taken due to some external cases	Lifeguard can't life of swimmer if a sensor takes more time to sense
5 Opportunities	To detect the problem			Find an appropriate answer to the problem			What we need to implement			How to implement creatively		
Potential improvements or enhancements to the experience	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 people in high rate	Makes low death rate	Accurate prediction is needed	It reduces the swimmer death	Saves lot of swimmer life