

Project Design Phase – II

Customer Journey Map

Date	25 October 2022
Team ID	PNT2022TMID19932
Project Name	VirtualEye – Life Guard for SwimmingPools to Detect Active Drowning
Maximum Marks	2 Marks

1 Phases High-level steps your user needs to accomplish from start to finish	To detect the problem	Find an appropriate answer to the problem	What we need to implement	How to implement creatively
2 Steps Detailed actions your user has to perform	Detect the movement of the swimmer by sensor	To find drowning person By sensor	Movement detection	Using deep learning algorithm It detect the movement with the help of sensors
3 Feelings What your user might be thinking and feeling at the moment	<div> Easy for the Life Guard to save people life </div> <div> Low Death </div> <div> Earlier prediction can be possible </div>	<div> Earlier prediction to save life of a swimmer </div> <div> Lifeguard can save most of the life </div> <div> Saving life of every individual </div>	<div> Should be alert all time </div> <div> Lifeguard should be ready and alert all time is a difficult task </div>	<div> Implement the good type of sensors </div> <div> Continuous monitoring </div>
	<div> It's difficult to know if the sensors are not working unexpectedly </div>	<div> Life can be saved because of earlier prediction </div>	<div> It requires an unlimited or continuous internet connection </div> <div> Sometimes sensor may fail to work </div>	<div> They need maintenance for proper functioning </div> <div> Always Lifeguard should be available </div> <div> Proper prediction is needed </div>
4 Pain points Problems your user runs into	<div> Due to network issues the alarm message will be delivered later </div> <div> If the program is not properly inserted in the device may not to be work </div>	<div> Some times can't find correct drowning person </div> <div> Its because of 3 or more number of drowning happens </div>	<div> Communication between Lifeguard and swimmer </div> <div> It can reduce the drowning accident </div>	<div> Can't save everyone life </div> <div> No measures are taken due to some external cases </div> <div> Lifeguard can't life of swimmer if a sensor takes more time to sense </div>
5 Opportunities Potential improvements or enhancements to the experience	<div> The movement of drowning persons is detected quickly </div>	<div> It provides information quickly and accurately </div> <div> It can be used to monitor pulse rate of swimmer to detect drowning </div> <div> Becomes handy to save swimmer life earlier </div>	<div> High quality of sensor is needed </div> <div> Saves the people in high rate </div> <div> Makes low death rate </div>	<div> Accurate prediction is needed </div> <div> It reduces the swimmer death </div> <div> Saves lot of swimmer life </div>