



Project Design Phase – II

Customer Journey Map

Date	25 October 2022
Team ID	PNT2022TMID19839
Project Name	VirtualEye – Life Guard for SwimmingPools to Detect Active Drowning
Maximum Marks	2 Marks

1 Phases <small>High-level steps your user needs to accomplish from start to finish</small>	To detect the problem	Find an appropriate answer to the problem	What we need to implement	How to implement creatively
2 Steps <small>Detailed actions your user has to perform</small>	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 <small>What your user might be thinking and feeling at the moment</small>	<div>  <div> Easy for the Life Guard to save people life Low Death Earlier prediction can be possible </div> </div> <div>  <div> It's difficult to know if the sensors are not working unexpectedly </div> </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 prediction </div>	<div> Should be alert all time Lifeguard should be ready and alert all time is a difficult task </div> <div> It requires an unlimited or continuous internet connection Sometimes sensor may fail to work </div>	<div> Implement the good type of sensors Continuous monitoring </div> <div> They need maintenance for proper functioning Always Lifeguard should be available Proper prediction is needed </div>
4 Pain points <small>Problems your user runs into</small>	<div>Due to network issues the alarm message will be delivered lately</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 <small>Potential improvements or enhancements to the experience</small>	The movement of drowning persons is detected quickly	<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>