

# Project Design Phase-II

## Customer Journey Map

Date	29 October 2022
Team ID	PNT2022TMID41170
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Project Name	Virtual eye – lifeguard for swimming pools for active drowning
Maximum Marks	2 Mark

<b>1 Phases</b>  High-level steps your user needs to accomplish from start to finish	To detect the problem		Finding an appropriate answer to the problem		what we need to implement		How to implement creatively	
<b>2 Steps</b>  Detailed actions your user has to perform	To detect the motion of Swimmer by camera		monitoring the swimmer By installing camera		To detect the swimmer is drowning or not A swimmer's age and details will be shown along with the drowning status		Using deep learning algorithm Use Yolo v3 to detect the person is drowning or not Open CV age detection algorithm with deep learning is used.	
<b>3 Feelings</b>  What your user might be thinking and feeling at the moment	<div>👍</div> <div>Easy for the lifeguard to save swimmer's life</div> <div>Low death</div>		<div>Saving life of a swimmer</div> <div>Can find a person is drowning or not</div> <div>Swimmer's details also will be shown along with drowning status</div>		<div>Lifeguard should be alert</div> <div>Should save the swimmer life immediately</div> <div>Implementation of camera to monitor the swimmer</div>		<div>Implement the camera</div> <div>Need proper maintenance</div> <div>Always lifeguard should be available</div>	
	<div>👎</div> <div>Difficult to save swimmer's life all time</div>		<div>Always lifeguard should be available in pool</div>		<div>It requires an unlimited or continuous internet connection</div>		<div>They need maintenance to keep them running.</div> <div>The high cost of cameras</div> <div>Should be aware of sensor life</div>	
<b>4 Pain points</b>  Problems your user runs into	<div>Due to network issues the alarm message will be delivered slowly</div> <div>Possibility of hacking or security threats</div>		<div>Some times difficult to find drowning person</div> <div>It's because 3 or more drowning happens</div> <div>There is a chance of losing life</div>		<div>Can reduce drowning accident</div> <div>communication between lifeguard and swimmer</div> <div>Lifeguard should be alert all the time</div>		<div>Proper installation of camera</div> <div>Hard to detect if there is network issue</div> <div>Hard to detect if 3 or more person drowning</div>	
<b>5 Opportunities</b>  Potential improvements or enhancements to the experience	<div>A swimmer's age details will be shown to Lifeguard</div> <div>So Lifeguard can save the child first when 3 or more people is drowning</div>		<div>It provides information Of a swimmer</div> <div>So the lifeguard can save the children first</div> <div>It is harder in case of 3 more drowning happens</div>		<div>high quality of camera is needed</div> <div>Save the swimmer By age details</div> <div>Lifeguard know whom need to save first if there is 2 drowning is happend</div>		<div>high quality camera is needed</div> <div>It reduces the death rate</div> <div>It allows lifeguard to get age details of a swimmer</div>	

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