



Car Sinking Simulator

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Abstract—A sinking car accident is one of the types of car accidents in which the car crashes into an area of deep water such as a river or ditch. In Malaysia, this type of incident mainly occurs during major flooding where the water level spiked unexpectedly and dangerously, causing death rates relating to this incident to increase reported by public media. The aim of this project is to develop a mobile application that uses virtual reality (VR) technology where it creates a VR simulation on spreading the awareness on how to escape sinking car accidents. This project implements the ADDIE Methodology as the framework. The project evaluates the usability of this application's project by using System Usability Scale (SUS). The result obtained was positive as the project managed to get a SUS score of 74, representing a good rating for this project. Future work for this project would be to add other variety of sinking car accidents simulations.

Keywords—*Virtual reality, Sinking car, car accident, escape sinking car*