

The Enhancement of First Aid Treatment for Medical Facilities

^[1]Nur Syahela Hussien, ^[2] Adib Ismail Khafidz , ^[3] Masyarah Zulhaida Masmuzidin

^[1,2,3] Malaysian Institute of Information Technology, University Kuala Lumpur,
1016 Jalan Sultan Ismail, 50200 Kuala Lumpur, Malaysia

^[1]syahela@unikl.edu.my, ^[2] adeidz11965@gmail.com, ^[3] masyarah@unikl.edu.my

Abstract. Accident or emergency can happen in anytime and anywhere in our daily life, not many people that can act spontaneously and if such situation happens right in front of them because lack of knowledge or skill to perform the first aid properly without worsening the condition. By taking the benefit of smartphone being carried by most people we developed a mobile application that provided the symptom of illness and list of treatment that can act as a guideline for the user to properly perform the first aid treatment. Therefore, in this paper proposed on 2D animation to help visualize the step and to boost the confidence level of the user by having the basic knowledge first aid treatment. Besides, the proposed mobile application also able to tell the location of the medical facilities as it is important to estimate the distance and the time taken for medical unit to apply the first aid treatment.

Keywords: First aid, mobile application, treatment, 2D animation

1. Introduction

Performing a first aid to the other is no simple task but it can be done with proper guidance and knowledge. First aid is medical attention that cover wide range of injury and illness that can occur in anytime in the daily life and it is usually administered in order to stabilizing the injured person until proper or specialized medical help arrives. According to [1] first aid is an act to keep the injured person in a stabilize situation until the medical service and treatment are available. It is important for first aid mobile application to be able to function outside of internet coverage, so people can face emergency anywhere. There has been a lot of death as the result from the delay from the medical unit or mistreat the injury due to the lack of knowledge [2].

Smartphone is a technology that has been used widely by people in their daily life as it served many functions according to the user interest [3]. Taking the advantage of the smartphone being used by many people, the practice of using the mobile application as learning medium and as a tool to communicate with medical expert is rising. Even though the personal healthcare is still being taken directly from the doctor or medical personal, the mobile application can provide basic info regarding people health issues [4].

In emergency situation, the individual that have the knowledge and the skill in performing the first aid treatment play a vital role in saving the victim and to communicate with the emergency facilities regarding the victim situation [5].