**Developing Smart Card for Hospital Management**

***A research proposal submitted by***

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Abstract

Our research domain is Software Engineering and sub domain is software development. In the whole world, the existing health care system has time complexity problem, they are not so much user friendly. We want to reduce the complexity and will make our system user friendly. We want to develop a smart card where all the medical reports or information of a person will be stored including their personal details and an emergency contact. A Doctor can easily find the information from the system by punching smart card from anywhere in the world if the system is available in hospital. The information can be X-ray, ultrasonography report sheet, what medicine the patient took last, which disease he suffered previous and so on information is stored in the card.

Introduction

Smart cards are used in information technologies as portable integrated devices with data storage and data processing capabilities. As in other fields, smart card uses in health systems became popular due to their increased capacity and performance. Their efficient use with easy and fast data access facilities leads to implementation particularly widespread in security systems [1]. The main target of our research is to find out a most effective solution for hospital management system by developing smart card. In this research we want to discover all possible way to reduce the systematic problem those are faces common people to take the treatment in the hospital. People are not care about their medical documents, we think This research can help people to understand how efficiently people can easily store the whole documents by using smart card and also will to ensure. People are discovering many new technologies for developing online food delivery system. They are coming up with new ideas that can be have a positive impact on the system. By using customer centric design. We want to utilize this system for get the better solution. So, it is really essential to do research in this specific area and come out with the best solution, we can accomplish.

# Research Background

# The current paper addresses the above problems by presenting a reference architecture, for developing smart card-based healthcare applications. The proposed solution is a modular, flexible and open architecture, based on existing technologies and widely adopted standards. It provides both a framework and a methodology that facilitates healthcard application development, covering all healthcare specific requirements and needs (tmhnical, administrative, medical)Research questions

There are many questions that arise with these solutions we have described. But the main question is:

Can we finally come out with a proper solution for this problem?

Sub-Questions:

There are also some other questions which answer we will be looking for during my research. And they are:

I. The solutions that are discussed in here are they easy to implement?

II. Can we get the necessary outcome?

III. How effective they will be based on the world in present and also in future?

# REsearch method

In our research will use Build and Process methodology. Build methodology: In smart card for hospital management system, I will add some new feature. We want to develop a system which is based on literature review. We will reuse the component from existing system. We will choose a programming language for build software. We will very much concern about testing. I will test the design, coding and every step for any new change that is why we will use build methodology for my research. we will also use process methodology. We will use process methodology which mostly connected on human. we will maintain software process, analysis developing issue. we will use human computer interaction in my developing system. We will follow the cognitive science approach which provide intelligent behaviour like human. That is why, I will use build & process methodology.

# Significance of research

# references

[1]. [**Geylani Kardas**](https://www.researchgate.net/profile/Geylani_Kardas), [**E. Turhan Tunali**](https://www.researchgate.net/profile/E_Tunali) “[**Geylani Kardas**](https://www.researchgate.net/profile/Geylani_Kardas), [**E. Turhan Tunali**](https://www.researchgate.net/profile/E_Tunali) “**Design and implementation of a smart card based healthcare information system**”. [,](https://www.researchgate.net/journal/0169-2607_Computer_Methods_and_Programs_in_Biomedicine)[Volume 81, Issue 1](https://www.sciencedirect.com/science/journal/01692607/81/1), January 2006, Pages 66-78

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