**Project Proposal**

**Group name:** A. – O. K.

**Group #:** 11

**Group members:** Antonio Khan (816015626)

Kris – Ann Modeste (816017443)

Orrin Joseph (811001486)

**Project Name**: Digital Immunization Card.

**Project description (*At most 300 words*)**:

This project aims to create a system which would replace the physical immunization card with a digital version that can be accessed from any mobile device or device which has access to the world wide web. The software will allow people to keep track of their immunization records digitally and would alert them accordingly for any pending immunization shots via an app on their mobile device. The app will also alert them to nearby medical institutions and provide a list of available immunization shots. The app will also implement a system in which persons who are traveling to foreign countries can easily find out what immunization shots are required for entry into that specific country.

**Rationale for the project**: **(*Problem definition, need for your solution*)**

Many people often damage and/or misplace their immunization cards and as a result, have no way of accurately knowing their current immunization status – which can lead to them having to go through a lengthy process to retrieve their medical information. With this digital immunization app, all data would be stored in a database where one would easily have access to their records. Additionally, people can have a hard time remembering dates and appointments, thus the convenience the app provides would be useful as persons would simply be reminded when time has come for them to get a shot and since the majority of the population checks there mobile device on a daily basis this would be the most efficient medium for implementing the app.

**Business Benefits:**

This system would benefit the Ministry of Health as they would have a system in which they can digitally track the citizens of Trinidad and Tobago’s immunization status.

This app would benefit private medical clinics who offer these immunization shots as it would be a form of advertisement if the shots which they offer and are currently in stock.

**Stakeholders**

**User stakeholders: (*Who will be using the system?*)**

Every individual of the country in which the system is implemented will benefit from the use of the system. The Ministry of health will also benefit from the use of this system as they would have a system which collects and stores the citizens’ immunization records.

**Non-user stakeholders: (*Who will not be directly using the system but benefits from the system?*)**

Private Medical Clinics

**User Environment: (*Environment refers to the collection of hardware and software tools a system developer uses to build software systems*.)**

* Hardware

Computer, Phone, Database

* Software

A Database Management System (DBMS), Android Studio.

**Alternatives and Competition to your solution: (*Are there ways the problem can be solved? Are there, already products on the market that provide a solution? If yes what are they*?)**

There are other apps which serve as schedulers and are not use as an official replacement for the immunization card currently there is also no system in place in Trinidad which serves to store citizens’ immunization records.

**Estimated Project Duration**: 1 year.

**For each group member**

**Key skills (*e.g. Databases, Web programming, etc*.) –**

Antonio Khan – Databases, Coding ( Html, javascript, css, java, C++, Python ), Web designing

Kris – Ann Modeste - (Databases, Coding ( Html, javascript, css, java, C++, Python ), Web designing

Orrin Joseph - (Databases, Coding ( Html, javascript, css, java, C++, Python ), Web designing

**How you each member contribute to the project**

Antonio Khan – Project Lead

Kris – Ann Modeste - Documenter Lead

Orrin Joseph - Designer Lead

**Statement of how you plan to work together (*When you will meet, Collaboration tools you will use*)**

To communicate, our members would be using the WhatsApp instant messaging app, whereby a group will be created in which all members would be able to communicate about anything regarding the project.

Google Docs via Google’s online Google Drive would also be used as it enables all members to contribute to the document regardless of location and see real-time changes being made to the document.

The Slack collaborative app would also be used to help group members communicate effectively.