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INSPIRED 2024
IPOH INTERNATIONAL SUMMIT ON
PROFESSIONALISM, RESEARCH & EDUCATION

In Collaboration With :

BITCOM
BUSINESS INNOVATION & TECHNOLOGY COMMERCIALIZATION CENTRE

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13TH INDES 2024

ENVIRONMENTAL • SOCIAL • GOVERNANCE

THE 13TH INTERNATIONAL INNOVATION, INVENTION & DESIGN COMPETITION 2024

EXTENDED ABSTRACTS

e-BOOK

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Organized by:
Office Of Research, Industry,
Community & Alumni Network
UiTM Perak Branch

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Perpustakaan Negara Malaysia

Cataloguing in Publication Data

No e- ISBN: 978-967-2776-31-4

Cover Design: Dr. Mohd Khairulnizam Ramlie
Typesetting : Zarinatun Ilyani Abdul Rahman

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PERAK i-CARE MOBILE APPLICATION

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ABSTRACT

This mobile application lists all health service providers in Perak including pharmacy, medical facilities, hospitals, private maternity clinics, public and private veterinary clinics. In addition, this application suggests the best solutions for the issues described by the consumers. The objective is to make it easy to locate public or private amenities by informing locations and offering details like reviews and comments from previous customers. A user needs to enter their name and the district they live in on the application. The user will have the choice of selecting from a variety of public or private service facilities, including hospitals, pharmacies, clinics, and animal clinics. Then, the user will see a selection of service facilities, evaluation, feedback, and directions to the location of their choice. The consumers will be satisfied because the options provided are useful.

Keyword: mobile application, health, medical facilities

1. INTRODUCTION

A small percentage of the population in Perak does not know the nearby medical facilities available to them. Moreover, some medical facilities do not provide the needs of their patients. MySejahtera is a smartphone application that locates the nearest medical facility but it does not provide information for facilities such as maternity, veterinary, and dentistry. In addition, the rating and reviews for the medical facility are not displayed on the MySejahtera app. The application is tailored to enhance the user experience by allowing individuals to describe their health concerns and receive tailored recommendations. The goal of this application is to streamline the process of finding both public and private healthcare facilities, thereby empowering residents and visitors alike with vital information such as user reviews and cost estimates to ensure informed decision-making and financial prudence.

2. OBJECTIVES

- I. Assist the Perak community in locating medical facilities.
- II. Allow users to choose a medical facility according to their need.

3. METHODOLOGY

- I. Data Collection
 - a. Firstly, we surveyed various types of health service centers available in Perak.
 - b. Information was collected via online resources like Google Chrome.
- II. Android Studio Software
 - a. This project will be primarily implemented using Android Studio.

- b. We will leverage and merge the data from Google Chrome with Android Studio.

III. Expected Outcomes

- a. This project can help the people in Perak in locating the best public or private health service providers.
- b. There is a welcoming logo followed by a sign in or sign up for users on the first page.
- c. The user can register by giving name, phone number, email, password, and address on the second page.
- d. After registration, the screen displays facilities such as private clinics, government clinics, hospitals, private maternity clinics, pharmacies and dental clinics on the third page.
- e. There are pictures of the hospital such as the name of the hospital, phone number and rating on the last page.

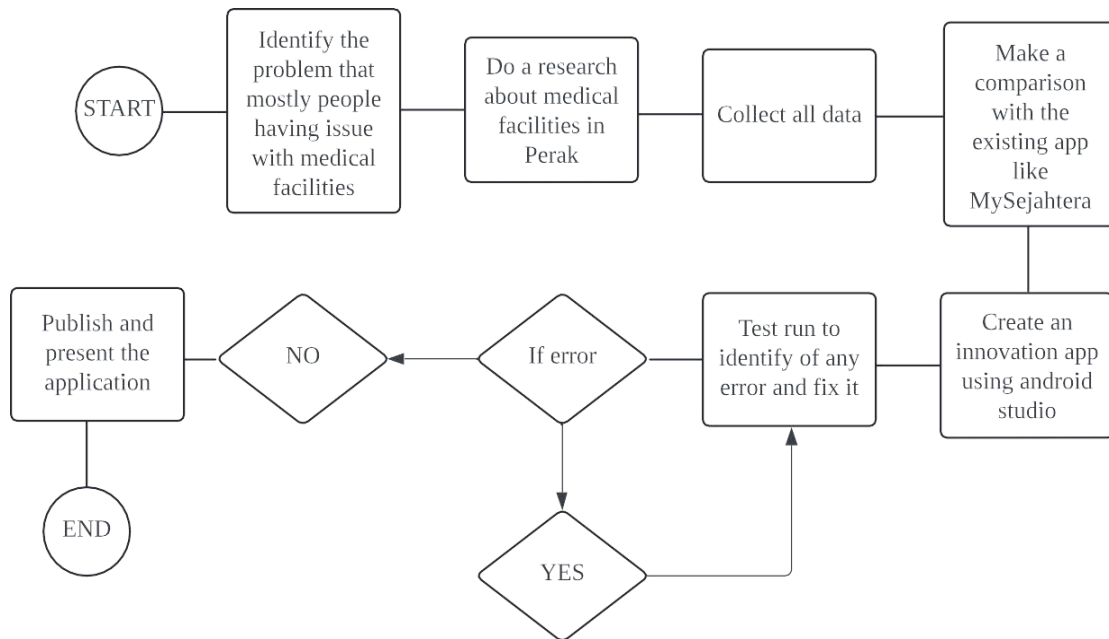


Figure 1 Flow Chart



Figure 2 The Android Software

As explained above, there is a welcoming logo followed by a sign in or sign up for users on the first image of the android. The user can register by giving name, phone number, email, password, and address on the second page on the second image of the android. The screen displays facilities such as private clinics, government clinics, hospitals, private maternity clinics, pharmacies and dental clinics on the third image and there are pictures of the hospital such as the name of the hospital, phone number and rating on the fourth image.

4. CONCLUSION

In conclusion, Perak i-Care is to prioritize convenience and satisfaction by providing information about amenities, enabling consumers to make informed decisions, manage their expenses effectively, and have a positive experience during their visit.

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Surat kami : 700-KPK (PRP.UP.1/20/1)

Tarikh : 20 Januari 2023

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