Chapter Overview

This chapter introduces our project, including a definition to the problem which we have identified in modern day recruitment, through our study of the domain and background to the problem, which has been elaborated on in Section 1.2.2. Afterwards, the chapter defines the aim of our project, features and scope of our system scope of our system. We also define the Research Gap which includes data science component in detail of our project.

Problem Definition

Today, considering this problem, normally diabetes patients need to make decisions about their treatment multiple times per day. But the doctors are not available 24/7 to dispel any doubts: a typical visit to a diabetologist is 15 minutes once every 3 months, both in Europe and the USA and Sri Lanka even. Websites, books, patient support groups give only general suggestions. Because of that it will be a huge problem.

Modern medical devices can collect data, show patterns, and suggest next steps we have come up with an idea to develop an application for all the people who are willing to test their diabetes level and including the patients who are under daily medication. This will be more useful for people the recognize their own diabetes level.

Scope

In-Scope

• Identifies the diabetes level which he/she is suffering.

• Diagnosing whether patient is having prediabetes.

• Identifies the background of the patient.

• Identifying the time period for the Patient’s critical level.

Out-Scope

• Only English will be considered on the first version of the system.

• Recognizing his/her medical details according to 1.3.2 mentioned.

• Recognizing the person created account.

• Applicable for any digital device.