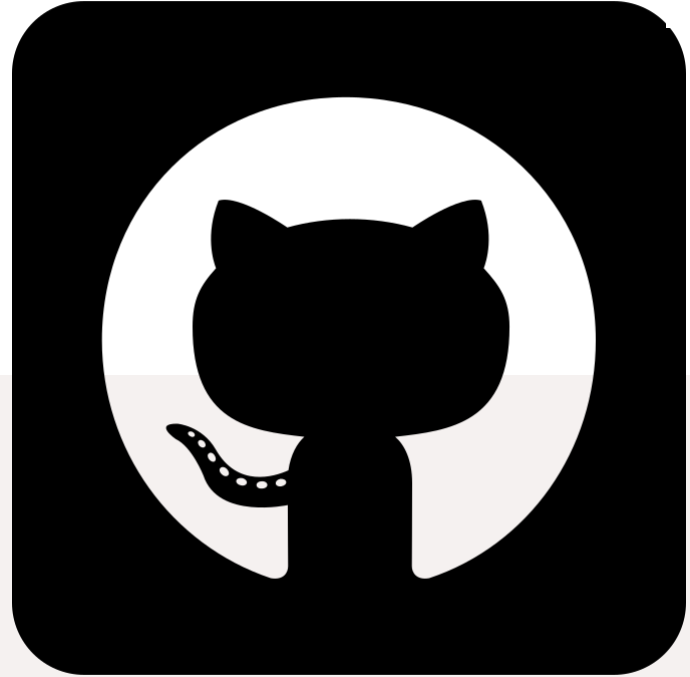# DIA-BOT-ICS

YOUR PERSONAL HEALTH ASSISTANT

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PROBLEM STATEMENT

HEALTHTECH

DIA-BOT-ICS, a medical assistant, helps a diabetic person by prescribing particular drugs, food and even exercises.

INTRODUCTION
IDEA BRIEF

- ❏ Globally, an estimated 463 million adults are living with diabetes, according to the latest 2019 data from the International Diabetes Federation.
- ❏ Every person with diabetes should visit a doctor at least every three months because regular checkups allows one to track the condition and, if necessary, make changes in the treatment plan.
- ❏ But under certain situations, like covid situation, the person might not be able to visit his doctor.
- ❏ The main idea behind DIA-BOT is to assist a diabetic person by sitting at home.
- ❏ It takes the Blood Sugar Level of a person as input and prescribes a particular medicine, food, and also exercises in case of necessity.
- ❏ This bot stores the everyday database entered by the patient and also reminds the person to take his medicine on time, with the help of alarm clock.

TECH STACK

Software Requirements

➢ Arduino Application
➢ Embedded C language
➢ 64-bit intel core processor
➢ 8 GB RAM

Hardware Requirements

➢ Arduino UNO
➢ LCD Display
➢ Recording Device
➢ Speaker
➢ Keypad

UNIQUE FEATURE

❖ A person can set an alarm in Bot to remind to take medicine and food. This feature is very important when it comes to a patient on insulin.

❖ The next feature is that in case of emergency the Bot itself will suggest nearest doctor. In case the doctor is not available the bot will advice to take necessary precautions to avoid further problems.

❖ To make it more advanced a camera is added to check whether the person ate his food or not.

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