# Don Bosco Institute of Technology

### Department of Information Science and Engineering FILE STRUCTURE Mini Project (18ISL67)

**SYNOPSIS**

**On**

**Diabetes health care management system**

## Submitted by

## Srustik B T - 1DB19IS089

Sujith M - 1DB19IS091

## Under the Guidance of:

Prof. Deepika A B Assistant Professor Dept. of ISE

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**ABSTRACT**

The Diabetes mellitus is one of the non-communicable diseases that pose a threat to human health. It has become a major global health problem. It is a chronic disease that occurs either when the pancreas does not produce enough insulin or when the body cannot effectively use the insulin which it produces. It is found that diabetes causes blindness, amputation and kidney failure. Lack of awareness about diabetes, insufficient access to health services and essential medicines can lead to the above mentioned complications. According to a study by the World Health Organization (WHO), number of diabetic patients will raise to 552 million by 2030, which means that one in 10 adults will have diabetes by 2030.

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### INTRODUCTION

* If you are facing with any kind of disease or infection and knowing about these disease on time will help you to get cure and take precautions on time. This process will also help to get over from these suffering in few days or in months. This system will keep records of particular patient or of any person and by using their general data collected during analysis process it will able to tell you, whether you are suffering from diabetes or not.
* Among several diseases and sufferings, many peoples are suffering from diabetes. With this computer based diabetes detection software, user will able to do their self-checkup without taking help of a doctor. Diabetes health care management system is not only usefil for the patients it also helps to maintain the records about the patients details, appointment can be booked, can get any of the frequently asked queries cleared, it even gives a diet plan.

1. **EXISTING SYSTEM**

* As per the existing system, users have to invest money before knowing their diagnosis report. They have to visit diagnostic center, consult their doctor and wait for a day to get their result. If someone have only doubt and want to have a checkup, then it will have their wastage of money and time for them. Each time you have to provide your basic information and go through the same diagnosis process to get your diagnosis result which can be dangerous in some serious condition. Patients should go through the checkup process immediately before the diagnosis process, if such condition arises. So keeping customer records and searching their records manually sometimes not possible and sometime it’s a time taking process.

### DISADVANTAGES

1. It’s too tiring to give computerized Timing.
2. Security limitations.
3. The test might not always be accurate.
4. While the cost of maintenance is very high.
   1. **PROPOSED SYSTEM**

* All your new records will be saved using the concept of file and directory.
* search operation will be performed while searching your record and you will also able to get your diagnosis report while using this system.
* This system will able to identify your sufferings related to diabetes and store into the file with your record id.
  + - She/he can get a quick check up done.
    - Can get some of his queries cleared.
    - The system can also give us a diet plan.
    - Finally we can use the Logout option to exit out of the system

### ADVANTAGES

1. User has complete control as it provides and accepts only appropriate and valid data.
2. Decreases the paper and the labor work.
3. Manage the entire process.
4. User-friendly error messages are provided wherever necessary.
5. Helps in advance planning.
6. Reduces Administrative works.
7. Provides a fast and efficient service. 8. Increase customer satisfaction.

### HARDWARE REQUIREMENTS

* + The computer with minimum of 2GB RAM is enough to execute the C++ program.

### SOFTWARE REQUIREMENTS

* + DEV C++ Software is required to execute the project

1. **REFERNCES**

* Wikipedia
* Healthline.com