

# **SYNOPSIS OF THE PROJECT**

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## **Name of the Project**

Diabetes Prediction System using Machine Learning

## **Problem Statement :-**

In this pandemic situation and not only in this situation, nowadays world is going towards technology.

So due to this pandemic situation it is difficult for the person to go to hospital and check for the whether person has diabetes or not, So system allows to check its report online at anytime, anywhere

## **Aims, Objectives & Scope**

### Aim:

Implement Diabetes prediction ML based system

### Objective:

The main objective of this project is to save persons time as well as to avoid rush in hospital and to keep safe himself from this current situation

### Scope:

A Chatbot with speech recognition who can predict and give back a response whether a person has positive or negative report of diabetes which can help for disabled person

## **Methodology**

- A Person can do visit a site
- Can learn more about the diabetes if he/she is not aware of this diseases
- Can see the report of there diabetes with the prediction percentage, so he/she can be sure that he has a positive or negative report
- Can visualize more about this report

## **Hardware & Software**

### Software Requirements:

Front End: Streamlit , ML-seaborn and matplotlib

Technology: Python, Machine Learning

### Hardware Requirements:

CPU: Intel Core i3 processor or less then it

Main Memory: 4 GB

Secondary Memory: 8 GB

Monitor: LED Monitor

## **Testing Technologies**

- Unit Testing
- Black Box Testing
- White Box Testing

## **What contribution would the project make?**

The project will save persons time as well as it will avoid rush in the hospital and to get clear confirmation about his/her diseases

## **Conclusion**

Diabetes prediction project has successfully worked and gives proper report with proper visualization effect