# MINI PROJECT-I

(2020-21)

# HEALTHBOT

**SYNOPSIS**



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**INTRODUCTION**

Today people are addicted to internet but they are not concern about their personal health. They avoid to go to a doctor for small problem, which may become a major disease in future. Normally people ignore the changes in there bodies and eventually they turned out to be symptoms of a certain disease. Hence it is essential to have a system which can judge our symptoms and tell us if we are suffering from a disease or not. Such a problem can be solved by using medical Chabot which give proper guidance regarding healthy living.

We have proposed a Chabot to address the medical problems of people. Here, we will have essential information regarding diseases like Fungal Infection, Allergy, Chronic Reaction, Diabetes, Migraine, AIDS, Chicken Pox, Malaria etc. and their symptoms like itching, muscle pain, increased appetite, polyuria, headache etc. We’ll use decision tree architecture which utilizes the attributes in order to improve disease prediction. Our Chabot will ask question regarding presence of the symptoms and predict a disease accordingly and will also suggest the doctor for the predicted disease. It will also give the details of doctor like contact number, email address etc.

**EXISTING SYSTEM**

In present time there is very long procedure for treatment of any diseases. First there will be diagnosis of whole body then only we get to know a particular problem. And also we are not sure about the category of doctor to whom we’ll consult. So our model will help in detecting expected disease and also consult best doctor regarding that. So, this will saves our time as well as helps in knowing correct doctor in less time so that treatment will start as early as possible.

**USE OF THE PROJECT**

As we all know that “Medical Field” is growing day by day but there is not sufficient sufficient medical facilities and equipments available for everyone and it is not possible that we know about each and every doctor and diseases, that’s why to resolve this type of problem we have design a Machine Learning Model that can predict patient diseases on the basis of symptoms and suggest the related doctor. By this project we can reduce the time which is taken when we go to many doctors to check what type of disease we have.

**IDEA**

In order to reduce the work of searching for the specialized doctor from the thousands of resources and helps in saving a lot of time and energy It also helps in the time of emergency as this system helps you to search the perfect doctor for you in no time. “Your help is just few questions away".

**Software Specification**

* Technology Implemented : Machine Learning
* Language Used : Python3
* Python Development Enviroment : Anaconda ( Spyder/Jupyter Notebook )
* User Interface Designed : Tkinter ( Desktop Application )
* Web Browser : Chrome

**Hardware Requirements**

* Processor : intel i5
* Operating System : Windows 7/8/10, Linux, Mac OS
* RAM : 4+GB
* Hard disk : 64 GB
* Hardware Devices : Computer System

**Future Scope**

With this project we will be aiming to reduce the time required for expected disease detection. It will be more efficient in terms of accuracy and time saving and to make smarter use of technology.