Introduction

We know that Speech is one in all the foremost necessary mode of communication .From the childhood, individuals do communication with one another through speech. It also can be used an efficient mode to move with the machines. In recent few years, the necessity for machine-driven speech recognition systems is very inflated and it's being enforced in numerous areas. It additionally led to the evolution of microphone, mobile etc. Even in the eighteenth-century individuals tried to create speech recognition systems .For instance , Von K e mpelen developed a machine that is capable of speaking words and phrases.

Attributable to the evolution of machine power, currently it's become doable to develop, take a look at and implement speech recognition systems, and additionally to own systems which might convert time period text into speech. Despite being an excellent progress during this field still there are a unit ton of issues, as a result of speech could be a terribly subjective development. Speech is greatly stricken by accents, articulation, pronunciation, roughness, emotion, gender, pitch, speed, volume, ground noise and echoes.

Speech Recognition or Automatic Speech Recognition (ASR) plays a very important role in human laptop interaction. Speech recognition uses the technology to convert speech signals into the sequence of words. In theory , there ought to be the likelihood of recognition of speech directly from the digitized wave shape . At present, speech recognition systems area unit capable of beneath standing of thousands of words under useful setting. Speech signal provides two necessary sorts of information: (a) context of speech and (b) speaker's identity. Speaker recognition deals with the extraction of speaker's identity . Speech recognition technology is employed in varied

applications. it's already utilized in live subtitling on tv, as dictation tools in medical and legal community and for off-line speech-to-text conversion or note-taking systems . It additionally has several applications like phone book help, automatic voice translation into foreign languages, spoken info querying for brand spanking new and inexperienced users an handy applications in field work, artificial intelligence and voice-based commands .

PROPOSED SYSTEM

Understand about this project. In this   project, we have got enforced an automatic speech recognition system which may offer answer to the queries asked by the user .the substitute neural network and machine learning is employed for implementing this method. The user can raise his or her queries to the system. The system takes this speech input and it will extract the right keyword from the user question and can turn out the speech output. This method is often used as an automatic receptionist at the reception. So, during is this approach we have got enforced an automatic speech recognition system.

EXISTING SYSTEM

Receptionist have been a critical component of the industry, especially in office   environments ,   for decades .Typically situated at the front desk, they provide administrative support for employees and are usually the first line of enquiry when interacting with a business. they play an important part in representing a business and are often highly valued for their interpersonal skills and representation of a business.

MODULES

User

- ➢ Register
- ➢ Login

- ➢ Department View

- ➢ Doctor view

- ➢ Appointment

- ➢ Complaint

- ➢ View reply

- ➢ View approved appointment

Doctor

- ➢ Login

- ➢ View & Manage appointments

- ➢ Patient view

- ➢ Manage employee

- ➢ Medical Record update

- ➢ Medical records view

Admin

- ➢ Login

- ➢ Department Manage

- ➢ Service

- ➢ Doctor register

- ➢ Patient information registration

- ➢ View complaint

➢ Reply complaint

➢ View user

➢ View service

SOFTWARE REQUIREMENTS SPECIFICATION

HARDWARE SPECIFICATIONS

The selection of hardware is very important in the existence and proper working of any of the software.

When selecting hardware, the size and capacity requirements are also important. The hardware must suit

all application developments.

- ☐ Processor   : i3 or above.
- ☐ System Bus :   32Bit or 64Bit
- ☐ RAM   : 4 GB or Above
- ☐ HDD   : 500 GB or Above
- ☐ Monitor   : 14" LCD or Above
- ☐ Key Board   :   108 Keys
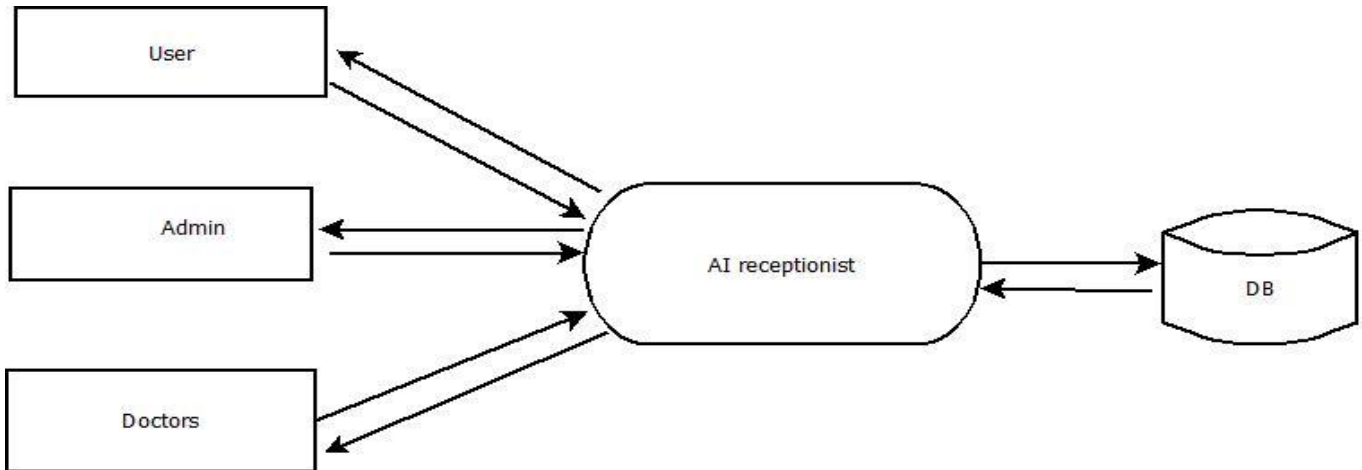- ☐ Mouse   : Any Type of mouse

SOFTWARE SPECIFICATION

One of the most difficult tasks is selecting software, once the system requirement is find out then we have
to determine whether a particular software package fits for those system requirements. This section
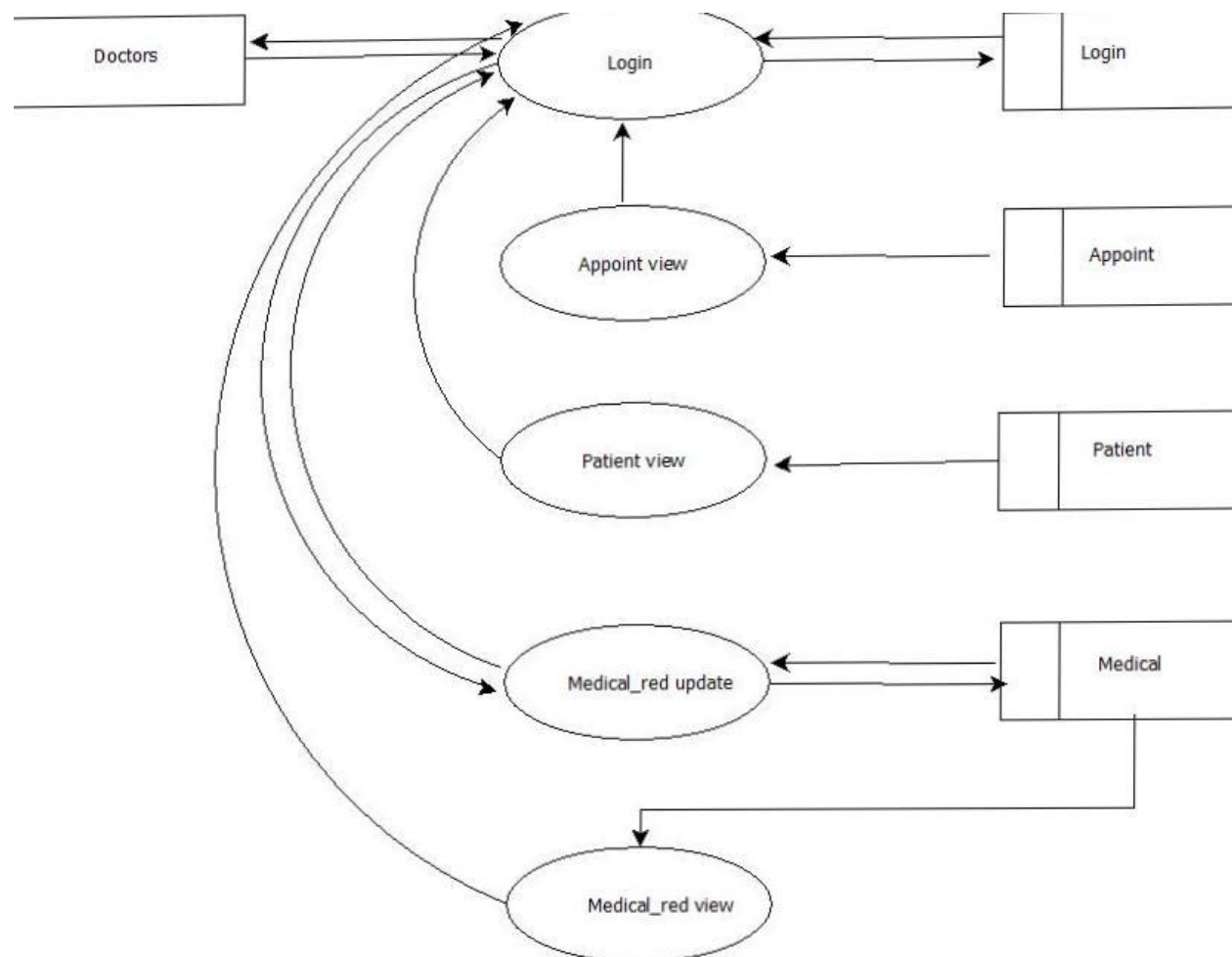summarizes the application requirement.

- ☐ Operating System : Windows 10 Any 32 bit or 64 bit platform

- ☐ Front End : Python

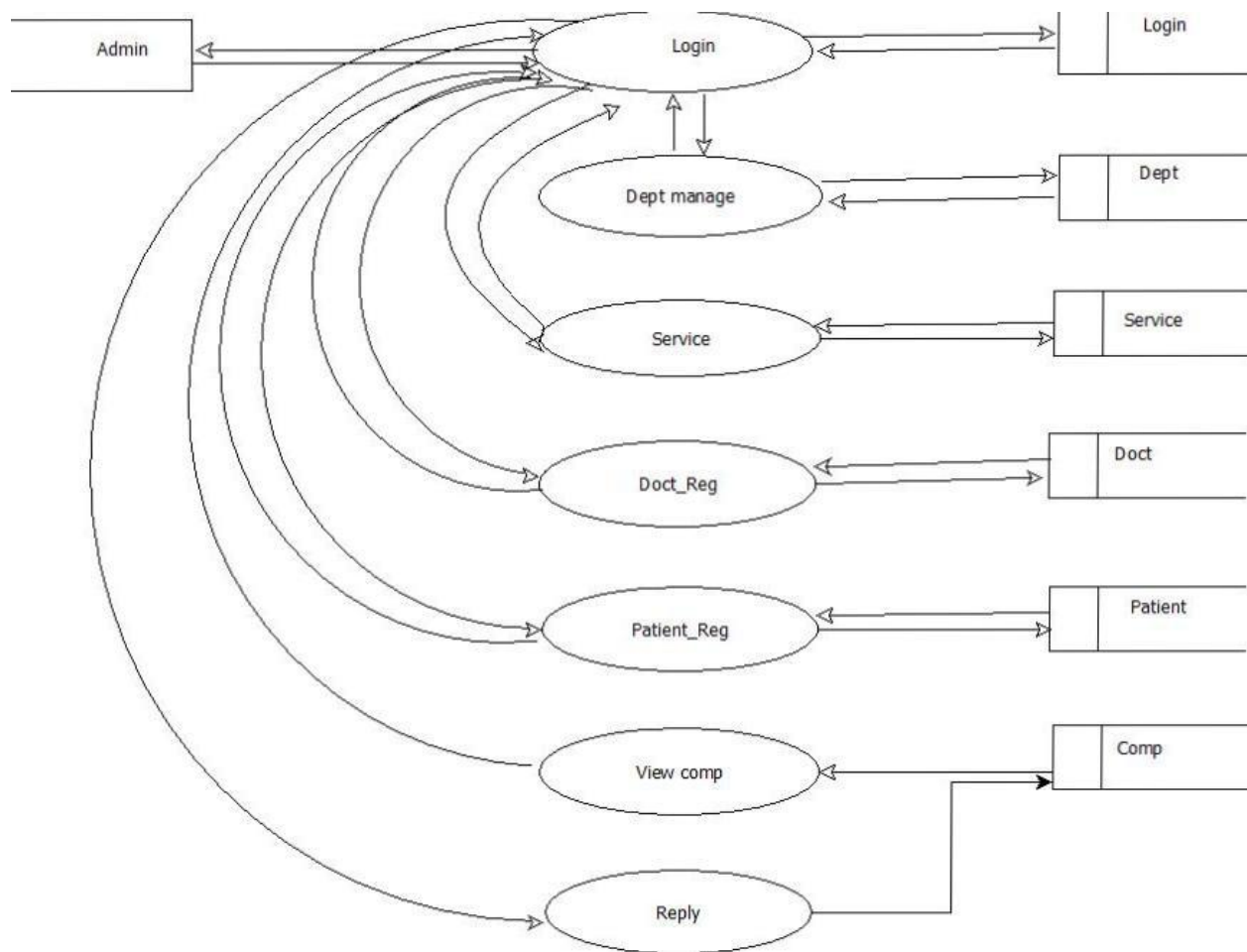- ☐ Back End : MySQL Sever

- ☐ IDE : Python 3.6 or above, PyCharm

DFD

Level-1.0

Level-1.1

Level-1.2

User	Register	User
Login	Login
Department View	Dept
Doctor View	Doct
Appointment	Appoint
Complaint	Complaint
View Reply