LITERATURE SURVEY:

TITLE: AI Healthcare Interactive Talking Agent using Nlp

YEAR OF PUBLISHING: 2020

AUTHOR NAME: M.S BennetPraba

ABSTRACT:

Good nutrition plays an important part in leading an active lifestyle. Combined with physical exercises, the diet can benefit people to maintain their weight, reduce the possibility of diseases and improve overall health. A self-help motivational tool for weight maintenance is a good option. This paper presents an interactive talking agent that is a . A is a piece of software that operates a conversation using textual methods. will start communication with the user and help to solve the concern by initiating a human way conversation using Language Understanding Intelligence Service (LUIS) concept. Natural language processing (NLP) is the capability of a computer application for understanding human dialect. It is one of the part of Artificial Intelligence (AI). Each language has a different morphology the has to be able to separate words into individual morphemes. Morphology is one of the tasks that NLP should be able to handle.

TITLE:Healthcare using Natural Language Processing

YEAR OF PUBLISHING: 2019

AUTHOR NAME: PapiyaMahajan

ABSTRACT:

To start a good life healthcare is very important. But it is very difficult to the consult the doctor if any health issues. The proposed idea is to create a healthcare using Natural Language Processing technique it is the part of Artificial Intelligence that can diagnose the disease and provide basic. To reduce the healthcare costs and improve accessibility to medical knowledge the Healthcare is built. Some s acts as a medical reference books, which helps the patient know more about their disease and helps to improve their health. The user can achieve the benefit of a healthcare only when it can diagnose all kind of disease and provide necessary. information. The system provides text or voice assistance, that means user can use his own convenient language, Bot will provides which type of

disease based on the user symptoms, and provides doctor and also provides food suggestion that means which type of food you have to take.

TITLE :A Smart Architecture based NLP and Machine Learning for Health Care Assistance

YEAR OF PUBLISHING: 2021

AUTHOR NAME: SoufyaneAyanouz

ABSTRACT:

A conversational agent is a software that can communicate with a human by using natural language. One of the essential tasks in artificial intelligence and natural language processing is the modeling of conversation. Since the beginning of artificial intelligence, its been the hardest challenge to create a good . Although can perform many tasks, the primary function they have to play is to understand the utterances of humans and to respond to them appropriately. In the past, simple statistic methods or handwritten templates and rules were used for the constructions of architectures. With the increasing learning capabilities, end-to-end neural networks have taken the place of these models in around 2015. Especially now, the encoder-decoder recurrent model is dominant in the modeling of conversations.

TITLE:A for Medical Purpose using Deep Learning

YEAR OF PUBLISHING: 2021

AUTHOR NAME: VaibhavTode

ABSTRACT:

The is a software programs that is used to interact with clients using natural language Processing via text or text to speech format. Today in the present era, the major challenges that India as a country is facing is to cater good quality and affordable healthcare services to its growing population and at the same time, they are not cost efficient. Nowadays, it is becoming very difficult to provide healthcare facilities as we have seen in COVID-19 critical situations that the condition in India was getting worse because of lack of transportation, availability of doctors and hospitality. Sometimes it causes the people to postpone their treatment as well as there is an increment in death count. The aim of our Project is to design a Conversational AI Powered for Medical Diagnostics using Deep Learning which mainly focuses on rural parts as well as poor and needy people of our country. Our System

has the capability to understand the symptoms of the patient and communicates with Patient (End-user) through web-UI. Our system tries to solve their problem with the help of the symptoms provided by Patient itself and help them to give the correct antibiotics/ medicines and precautions. NLTK (Natural Language Toolkit) is a module/ program in python which can able to perform symbolic and statistical Natural Language Processing for English written in Programming. It is used to analyze the input in the form of speech and generate responses that are similar to humans.

TITLE:AI Based Healthcare System by Using Natural Language Processing

YEAR OF PUBLISHING: 2020

AUTHOR NAME: Harsh Mendapara

ABSTRACT:

Artificial Intelligence has core branches like, Machine Learning which takes in data, searches patterns, improves itself using the data, and displays the outcome. To lead healthy lifestyle healthcare is very much important. In few unsocialized areas, it is quite hard to find a consultation with a doctor that easily regarding health issues. The main idea here is to make a healthcare based on Artificial Intelligence using NLP that can diagnose the disease and provide required details about the specific disease before consulting or visiting a doctor. Reduces the healthcare costs and improves accessibility to this medical .Specific s act as virtual medical assistance, which helps the patient know more about their disease and helps to improve their health. The user can achieve the real benefit of a only when it can diagnose all kinds of diseases and provide the necessary information. A text-to-text medical involves patients in online conversation considering their health problems which provides a set of personalized diagnoses based on their provided symptoms. These bots connect with the potential patients visiting the site, helping them discover specialists, booking appointments, and getting them access to correct treatment.