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INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, DHARWAD IIIT Dharwad Campus, Ittigatti Road, Near Sattur Colony, Dharwad 580009. MINI PROJECT WORK REPORT ON "COVID-19 Recommendation System (Chatbot)" In partial fulfilment of the necessities for the VI Semester of Bachelor of Technology In Computer Science Engineering. Submitted By: undefinedundefinedundefined D, Professor Department of Computer Science Engineering IIIT, Dharwad- 580009 ACADEMIC YEAR 2020-21 ACKNOWLEDGEMENTS No project or venture is complete without the assistance and guidance by many people who constantly help us in reaching the final point. The commendation of the a hit of of entirety of labor is to the ones fingers which stood via way of means of us in each small step we took. We are the use of this possibility to explicit our gratitude to all and sundry who supported us in the course of the direction of the challenge. We are grateful for the inspiring steering, invaluable optimistic complaint and pleasant recommendation for the duration of the challenge work. We are really thankful to them for sharing their trustworthy and illuminating perspectives on some of problems associated with the challenge. We also thank to our beloved director Dr. Kavi Mahesh who is the founding stone in every endeavour of ours. He is our constant benefactors who stood by us at all obstacles we faced This project would not be realized without the consistent encouragement of Dr. Uma Seshadri, Head of Computer Science Department. Head of Computer Science Department. She was always a pillar of support who was never exhausted to assist us at any time. We take this opportunity to thank our guide Dr. Uma Sheshadri, who continuously advocated us now no longer to surrender on our thoughts and helped us improvise via her commendable enjoy and changed into additionally a

pillar of help at each stage. ABSTRACT We are all collectively in a combat towards the COVID-19 pandemic. Chatbots, if efficaciously designed and deployed, may want to assist us via way of means of sharing updated statistics quickly, encouraging favored fitness impacting behaviours, and lessening the mental harm as a result of worry and isolation. Despite this capacity, the chance of amplifying incorrect information and the dearth of earlier effectiveness studies is reason for concern. Immediate collaborations among healthcare workers, companies, academics, and governments are merited and can useful resource destiny pandemic preparedness efforts.

CONTENTS Contents Page no. Abstract. I Chapter 1. Introduction. 1 Chapter 2. Software Requirements Specifications (SRS). 2 Chapter three. Results. three Chapter 4. Conclusion and Future Scope. 14 Chapter 5. References 15 Chapter one Introduction 1.1. Problem Statement With the unfold of COVID-19 throughout the world, there's a feel of panic and uncertainty among the public. People aren't positive what measures to take to shield themselves and their own circle of relatives and feature many questions. 1.2. State of the Artwork During the radical coronavirus (COVID-19) pandemic, establishments just like the Centers for Disease Control and Prevention (CDC) and the World Health Organization (WHO) have began making use of chatbots to percentage statistics, propose behavior, and provide emotional help. Chatbots are software program applications that speak with humans via voice or textual content of their herbal language. Some famous examples include undefinedundefinedundefined They regularly come pre-mounted on smartphones or home-primarily based totally clever speakers. In current years, chatbot use for fitness-associated functions has expanded considerably, from assisting clinicians with scientific interviews and analysis to helping purchasers in self- handling persistent conditions. Chatbots have various broadly of their responses to questions on bodily fitness, suicide, intimate companion violence, substance abuse, and different touchy conversations. The COVID-19 pandemic places in stark alleviation the capacity for chatbots to assist keep lives. Chapter Software Requirements Specifications(SRS) 2.1. Platform • PyCharm • Spyder three.zero 2.2. Language Used • Python 2.three. Graphical User Interface (GUI) • Tkinter 2.4. Libraries Used • Pytorch • Pandas • NumPy • NLTK • Matplotlib • BeautifulSoup • Pillow • Requests 2.5. Others • Intents (JSON File) • Natural Language Processing (NLP) • APIs • Web Scraping • Website: MoHFW, CoWIN, Worldometer Chapter Three Results • This is the registration web page of our challenge. • The customers can check in right here to apply the centers of our challenge. • This is the login web page of our challenge. • All the registered customers must login from their account to apply the centers. • This is the Home Page of our challenge. • It includes the Info of Corona Virus, Statistics, Precautions, Chatbot, Info approximately Vaccines and an Exit button. • When clicked on respective buttons

extra statistics associated with them may be shown. • This web page opens whilst clicked on Info of Corona Virus button. • It offers primary statistics approximately Corona Virus that's at once scraped from Indian authorities internet site. • It additionally has a Voice Assistance for blind humans. • For extra statistics, the customers may be directed to WHO Website and MoHFW Website. • When clicked on Back button, the person may be directed to Home Page. • This web page offers the information on variety of showed instances, recovered instances, lively instances, and dying instances globally and for a selected usa whilst mentioned. • For extra statistics associated with information of the pandemic, the person is directed to a internet site in which there are all type of legitimate statistics concerning information of pandemic. • When clicked on Quit button, the person is directed to Home Page. • This web page offers the bar graph of variety of fine instances throughout all of the countries. • This compares the variety of fine instances throughout all of the countries. • This web page seems whilst clicked on Precautions button in Home Page. • This web page offers with the precautions to keep away from Corona Virus. • The content material is scraped from authorities websites, so the content material is absolutely legitimate. • It has Voice Assistance for blind humans. • For extra statistics, the person may be directed to numerous authorities internet site. • When clicked on Back button, the person is directed to Home Page. • This web page seems whilst clicked on Info About Vaccines button. • When clicked on every button on this web page, it offers certain statistics approximately every vaccine. • When clicked on Find your Nearest Vaccination Center, it offers information about all of the nearest to be had alternatives for vaccination. • When clicked on Yes button, the person is directed to authentic internet site to ee-e book a slot for buying vaccinated. • When clicked on No button, the person is directed to Home Page. • This web page offers primary statistics approximately Covaxin Vaccine. • For extra statistics, the person is directed to numerous internet site giving extra certain statistics approximately Covaxin Vaccine. • It has a Voice Assistance for blind humans. • When clicked on Back button, the person is directed to Info About Vaccines web page. • This web page offers primary statistics approximately Covishield Vaccine. • For extra statistics, the person is directed to numerous internet site giving extra certain statistics approximately Covishield Vaccine. • This web page offers primary statistics approximately Sputnik-V Vaccine. • For extra statistics, the person is directed to numerous internet site giving extra certain statistics approximately Sputnik-V Vaccine. Chapter 4 Conclusion and Future Scope The WHO Director-General currently referred to as for progressive pandemic responses. To this aim, chatbots are already being deployed withinside the combat towards COVID-19. If designed efficaciously, chatbots may also assist save you incorrect information, useful resource in symptom

detection, engender infection-proscribing behaviors, and reduce the intellectual fitness burden of pandemic response. In a pandemic, no organization of humans stays unaffected for long. Together patients, healthcare workers, academics, era companies, NGOs, and governments can make sure chatbot say the proper thing. In the destiny, the chatbots may be used to keep away from any type of incorrect information being unfold. Chapter Five References • WHO Website- www.who.int • MoHFW Website- www.mohfw.gov.in

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