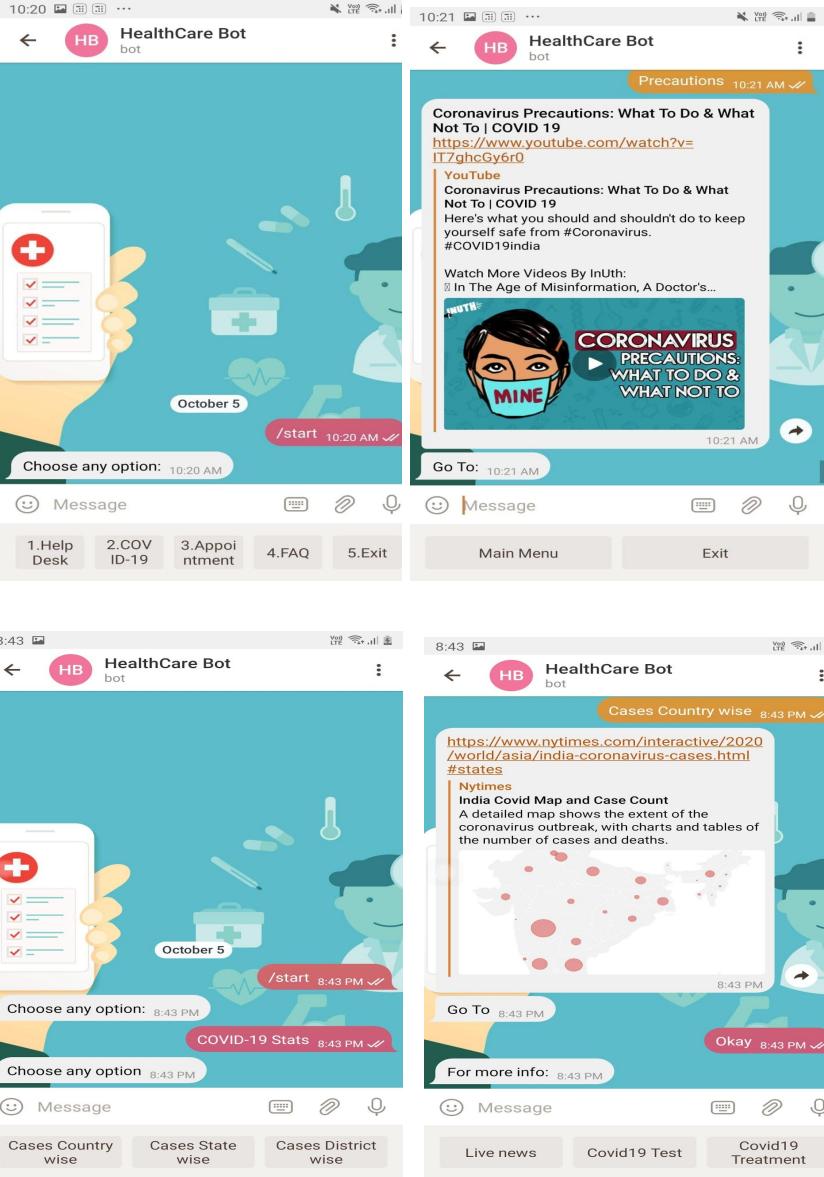


SHE HACKS PROJECT SUBMISSION

Team Name:	Tech Hunters
Date:	5th October ,2020
Team Members:	Komal Rane - Team Leader Shraddha Babar Tanaya Desai
Topic No:	H01
Project Name:	AI Healthcare Chatbot
Project Description:	<ul style="list-style-type: none"> ❖ The current COVID pandemic has highlighted the collapsed and decaying healthcare infrastructure throughout the world ❖ India is itself battling an unending war to maintain and provide great healthcare facilities to the citizens ❖ An add-on to boost the initiative by our government can be an AI based healthcare chatbot which can provide multiple facilities to the users. ❖ The chatbot provides information about the COVID-19 analysis,frequently asked questions related to COVID-19,provide an appointment with a doctor and a help desk to resolve any issues
Project Diagram:	<pre> graph LR USER[USER] --> APP[APP/DEVICE] subgraph APP_DEVICE [APP/DEVICE] INPUT[INPUT] end APP --> QUERY[QUERY] subgraph DIALOGFLOW [DIALOGFLOW] QUERY --> INTENT[INTENT] end INTENT --> CODE[CODE] subgraph FULFILLMENT [FULFILLMENT] CODE end CODE --> EXTERNAL[EXTERNAL APIs] CODE --> DB[(DB)] CODE --> ACTIONABLE[ACTIONABLE DATA] ACTIONABLE --> OUTPUT[OUTPUT] subgraph APP_DEVICE_2 [APP/DEVICE] OUTPUT end OUTPUT --> USER </pre>
Project Elements:	<ul style="list-style-type: none"> ❖ Help Desk : The option provides contact details about the various helpdesk numbers provided by the government. ❖ COVID-19 Stats: It provides detailed analysis of the COVID -19 statistics with options to view data in three formats: <ul style="list-style-type: none"> ➢ Data according to analysis done country wise ➢ Data according to analysis done state wise ➢ Data according to analysis done district wise ❖ Appointment: Fix an appointment for a clinical visit

	<ul style="list-style-type: none"> ❖ FAQ: The tab provides frequently asked information about the following. Provides information about all the symptoms related to COVID-19. Provides precautionary measures to tackle COVID spread ❖ More Information: Provides information about the the following sections <ul style="list-style-type: none"> ➤ Live News: Provides information about the live news about Covid-19 ➤ Covid Test: Directs page with an option for covid testing ➤ Covid Treatment: Provides information about the covid treatment and development in the vaccine formation ❖ Exit: Guides to the main page where the user can start a fresh conversation.
Platforms Used:	<ul style="list-style-type: none"> ❖ DialogFlow: The NLP platform used to design chatbot components including the indents, entities and integration ❖ Telegram: Used to host the chatbot
Project Images:	 <p>The project images show four screenshots of the HealthCare Bot interface in a Telegram chat window. The first screenshot shows the main menu with options: 1.Help Desk, 2.COV ID-19, 3.Appoi ntment, 4.FAQ, 5.Exit. The second screenshot shows the 'Precautions' section with a video player and text: 'Coronavirus Precautions: What To Do & What Not To COVID 19'. The third screenshot shows the 'COVID-19 Stats' section with a map of India and text: 'India Covid Map and Case Count'. The fourth screenshot shows the 'Cases Country wise' section with a map of India and text: 'Cases Country wise'.</p>

Advantages:	<ul style="list-style-type: none"> ❖ Better organization of patient's pathway ❖ Instant help in emergency situations ❖ Medication management ❖ Offering solutions for multiple medical issues
Future Scope:	<ul style="list-style-type: none"> ❖ <u>Integration with online medical stores:</u> The chatbot can be integrated with online medical stores like Netmeds, Medlife etc where users can order prescribed medicines ❖ <u>Appointment with doctor:</u> The bot can also be used to book an appointment with the doctors. A database containing a list of doctors listed according to the areas and pincode will be present at the backend so that the users have a convenient option to book an appointment with the nearest available doctor ❖ <u>Development for multiple disease assistance:</u> The bot can be designed and trained to assist in multiple disease evaluation, provide information and precautionary measures, etc ❖ <u>Home remedies suggestions after disease evaluation:</u> The bot will be trained in understanding the symptoms of the patient and suggesting home remedies accordingly.