Project Topic

Assisting General Public in Government Hospitals Using Bot

Abstract:

The use of chatbots in the healthcare industry has revolutionized the way patients and visitors access information and services in hospitals. Government hospitals, in particular, face the challenge of assisting a large number of patients and visitors, especially during peak periods of demand. To address this challenge, we have come up with a solution by developing a bot which helps the general public by providing guidance specifically in finding locations inside the hospital. By using the bot, government hospitals can provide an efficient and seamless experience for patients and visitors. The bot can help individuals navigate complex hospital layouts and find specific locations quickly and easily, such as the emergency room, pharmacy, or specific departments. To implement a chatbot to assist the general public in government hospitals, a map of the hospital's layout is required, including the location of all departments, rooms, and key landmarks. This map can be used to create a graph, with the hallways and rooms representing the nodes and the distances between them representing the edges. Using the Dijkstra algorithm, the bot can find the shortest path between the user's current location and the desired location. In addition to providing assistance with finding locations using chatbots, voice bots are also included that can offer a personalized experience to visually impaired people. The bot guides both the general public and the visually impaired people as it acts as both voice and text assistant. By using a Braille keyboard, visually impaired people can access the bot in the same way as the normal people.

Team members:

Aparna Gayathri .N   –   231011

Ananda Dharshinee. M.S   –   231009

Bhavya Srii .A   –   231018

Dheepika .R   –   231025