

ABSTRACT

ChatWelfare, an innovative chatbot, addresses the challenges faced by physically challenged individuals or Persons with Disabilities (PwD's) by providing a conversational interface to discover relevant support schemes provided by Government of Tamil Nadu. It serves as a virtual guide through the extensive array of available government schemes. Our chatbot engages users, comprehends their needs, and offers personalized information. It emphasizes its potential to significantly enhance accessibility for the physically challenged. The chatbot acts as a bridge, facilitating seamless communication and information dissemination. The chatbot is effectively implemented using PHP Laravel. The conversation between the chatbot and user can be both textual and voice recognition. The voice to text conversion is implemented using JavaScript. The support schemes provided by the Government of Tamil Nadu was hard coded into our backend servers and databases. The main goal of this chatbot is for the physically challenged person who are all facing the mobility issues. In addition to our main goal, the secondary goal is to avoid the travel expenses, intermediate agents, and reducing financial issues. It addresses the specific hurdles faced by individuals with physical challenges, emphasizing the importance of a dedicated system like ChatWelfare. By providing a conversational interface, ChatWelfare aims to bridge the information gap and facilitate seamless communication.