

GOV SCHEMIFY – A CHATBOT FOR GOVERNMENT SCHEMES

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With the advent of internet and communication technologies, there is huge increase in the people's dependence on the technologies for information retrieval. It is not only limited to social media usage but also extended to make people access to government websites for accessing the information on government related schemes. General public, industrial bodies get benefitted from the government schemes which have been announced by the government day-today. It is especially benefitted to the farmers in terms of subsidies and loan waiver schemes. So, it is very important to have an authentic method based on the recent technologies to gather up all the scheme related information and get updated itself and help the people who were in needs. This is achieved by developing and deploying a Chatbot inclusively for the retrieval of information about the government's schemes on periodic basis and store it in its database and managing the inquiries from various type of people and providing them with all the relevant information. In this paper, we have developed the chatbot intended to spread knowledge about government-sponsored travel and agriculture initiatives. It acts as a virtual assistant to the people which provide information related to agriculture schemes like crop protection schemes, farmer's loan waiver schemes, pesticide schemes etc. And travel schemes like providing subsidy for Manasarovar yatra, 8 Days Tamil Nadu tour, etc. It uses Natural language processing techniques to fetch the data from authentic websites and store it in local database and comprehend the user's requests and provide them with proper responses instantly. Based on user engagement and input, it continuously refines its responses using machine learning techniques. In order to provide scalability and dependability, this chatbot is installed on a cloud platform, guaranteeing continuous service even during busy times.