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Automated Conversation Chatbot for Multiple Languages for Hospitals

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Abstract: *Chatbots replicate human speech to provide applications a more user-friendly user interface or simply for fun. Artificial intelligence (AI) and natural language processing (NLP) are two cutting-edge technologies that may be used to enhance chatbots' ability to imitate more organic and genuine communication. As more and more mobile device users switch to a larger usage of texts and messaging, chatbots may be used to provide clients with multilingual advice and services. While some chatbots have been constructed in other languages, the majority only speak English these days, and very few are able to. If configured appropriately, multilingual chatbots may provide a digital communication alternative that transcends linguistic borders.*

Keywords: Chatbot, Artificial Intelligence ,AIML, NLP, DJANGO

REFERENCES

[1]. https://censusindia.gov.in/2011-provresults/paper2/data_files/india/Rural_urban_2011.pdf
[2]. M. M. Rahman, R. Amin, M. N. Khan Liton and N. Hossain, "Disha: An Implementation ofMachine Learning Based Bangla Healthcare Chatbot," 2019 22nd International Conference on Computer and Information Technology(ICCIT),Dhaka,Bangladesh,2019,pp.1-6,doi:10.1109/ICCIT48885.2019.9038579.
[3]. R. B. Mathew, S. Varghese, S. E. Joy and S. S. Alex, "Chatbot for Disease Prediction andTreatment Recommendation using Machine Learning," 2019 3rd International Conference on Trends in Electronics and Informatics(ICOEI),Tirunelveli,India,2019,pp.851-856,doi:10.1109/ICOEI.2019.8862707.
[4]. P. Srivastava and N. Singh, "Automatized Medical Chatbot (Medibot)," 2020 International Conference on Power Electronics & IoT Applications in Renewable Energy and its Control(PARC),Mathura,India,2020, pp.351-354, doi:10.1109/PARC49193.2020.236624.
[5]. Mrs. Rashmi Dharwadkar, Dr.Mrs. Neeta A. Deshpande "A Medical ChatBot". InternationalJournalofComputerTrendsandTechnology(IJCTT)V60(1):41-45June2018.ISSN:2231-2803.
[6]. L. Hidayatin and F. Rahutomo, "Query Expansion Evaluation for Chatbot Application," 2018International Conference on Applied Information Technology and Innovation (ICAITI), Padang,Indonesia,2018, pp. 92-95, doi: 10.1109/ICAITI.2018.8686762.
[7]. U. Bharti, D. Bajaj, H. Batra, S. Lalit, S. Lalit and A. Gangwani, "Medbot: ConversationalArtificial Intelligence Powered Chatbot for Delivering Tele-Health after COVID-19," 2020 5thInternational
[8]. Conference on Communication and Electronics Systems (ICCES), Coimbatore, India, 2020, pp.870-875,doi: 10.1109/ICCES48766.2020.9137944.
[9]. L. Athota, V. K. Shukla, N. Pandey and A. Rana, "Chatbot for Healthcare System UsingArtificial Intelligence," 2020 8th International Conference on Reliability, Infocom TechnologiesandOptimization(TrendsandFutureDirections)(ICRITO),Noida,India,2020,pp.619-622,doi:10.1109/ICRITO48877.2020.9197833.
[10]. S.Kannadhasan and R.Nagarajan, Design and Development of Environmentally W-Shaped Structure Antenna for Wireless Applications, International Web Conference on Smart Engineering Technologies(IWCSET 2020), 26-27 June 2020, Ramco Institute of Technology, Rajapalayam, ISBN:978-93-5407-648-0, Published in Journal of Green Engineering, Volume 10, Issue 9, September 2020.

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[11]. S.Kannadhasan, M.Shanmuganantham, R.Nagarajan, and S.Deepa, Future Progress in Artifical Intelligence: Process and its Applications, Virtual International Conference on Metamorphosis of Modern Management and Research, 13 August 2020, Bannari Amman Institute of Technology, Sathyamangalam, Published for International Journal of Innovative Research in Computer and Communication Engineering, e-ISSN: 2320-9801, p-ISSN: 2320-9798, Volume 8, Issue 12, December 2020, DOI: 10.15680/IJIRCCE.2020.0812007, Impact Factor: 7.488

[12]. Gokula Chandar ,Leeban MosesM; T. Perarasi M; Rajkumar; "Joint Energy and QoS-Aware Cross-layer Uplink resource allocation for M2M data aggregation over LTE-A Networks", IEEE explore, doi:10.1109/ICAIS53314.2022.9742763.

[13]. Dhuddu Haripriya, Venkatakiran S, Gokulachandar A, "UWB-Mimo antenna of high isolation two elements with wlan single band-notched behavior using roger material",Vol 62, Part 4, 2022, Pg 1717-1721, https://doi.org/10.1016/j.matpr.2021.12.203

[14]. Gokula Chandar A, Vijayabhasker R., and Palaniswami S, "MAMRN – MIMO antenna magnetic field", Journal of Electrical Engineering, vol.19, 2019.

[15]. Rukkumani V , Moorthy V, Karthik M , Gokulachandar A, Saravanakumar M, Ananthi P, "Depiction of Structural Properties of Chromium Doped SnO2 Nano Particles for sram Cell Applications", Journal of Materials Today: Proceedings, vol.45, pp.3483-3487, 2021. https://doi.org/10.1016/j.matpr.2020.12.944

[16]. G.Srividhya, R.Nagarajan and S.Kannadhasan, Enhancement of Clustering Techniques Efficiency for WSN Using LEACH Algorithm, International Conference on Advances in Smart Sensor, Signal Processing, and Communication Technology (ICASSCT 2021), Goa University, Goa, 19-20 March 2021, Published for IOP Journal of Physics: Conference Series, Vol No: 1921, 2021, doi:10.1088/1742-6596/1921/1/012013

[17]. S.Kannadhasan, M.Shanmuganantham and R.Nagarajan, System Model of VANET Using Optimization-Based Efficient Routing Algorithm, International Conference on Advances in Material Science, Communication and Microelectronics (ICAMCM-2021), Jaipur Engineering College and Research Centre, Jaipur, 19-20 February 2021. Published for IOP Conference Series: Materials Science and Engineering, Vol No: 1119, 2021, doi:10.1088/1757-899X/1119/1/012021

[18]. Kannadhasan S & R. Nagarajan (2022): Performance improvement of antenna array element for mobile communication, Waves in Random and Complex Media, DOI: 10.1080/17455030.2022.2036867,