



(<http://ipindia.nic.in/index.htm>)



(<http://ipindia.nic.in>)

Patent Search

Invention Title	METHOD AND APPARATUS FOR ENHANCING CHATBOT COMMUNICATION WITH AI AND IOT SENSORS
Publication Number	18/2023
Publication Date	05/05/2023
Publication Type	INA
Application Number	202321025129
Application Filing Date	02/04/2023
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	ELECTRONICS
Classification (IPC)	G10L 152200, H01Q 012200, H04L 510200, H04L 671200, H04W 047000

Inventor

Name	Address	Country
Dr. Shailendra Kumar Mittal	Professor, Electrical Engineering Department, GH Rasoni College of Engineering & Management, Pune, Maharashtra, India, Pincode: 412207	India
Mr. M. Sudheer Kumar Reddy	Assistant Professor, Department of ECE, Aditya College of Engineering, Surampalem, Andhra Pradesh, India, Pincode: 533437	India
Mr. Amujuru Venkata Mahesh	Assistant Professor, Department of Computer Science and Engineering, GIET University, Gunupur, Odisha, India, Pincode:765022	India
Dr. Nellore Manoj Kumar	Independent Researcher, 15-225, Gollapalem, Venkatagiri, Tirupati District, Andhra Pradesh, India, Pincode: 524132	India
Dr. Raghava Raju Aradhyula	Associate Professor, Department of ECE, Guntur Engineering College, Guntur, Andhra Pradesh, India, Pincode: 522019	India
Dr. P. Ramadevi	Assistant Professor, Department of ECE, Institute of Aeronautical Engineering, Dundigal, Hyderabad, Telangana, India, Pincode: 500043	India
Mr.H.Umesh Prabhu	Assistant Professor, Department of EEE, St. Joseph's College of Engineering, OMR, Chennai-600119	India

Applicant

Name	Address	Country
Dr. Shailendra Kumar Mittal	Professor, Electrical Engineering Department, GH Rasoni College of Engineering & Management, Pune, Maharashtra, India, Pincode: 412207	India
Mr. M. Sudheer Kumar Reddy	Assistant Professor, Department of ECE, Aditya College of Engineering, Surampalem, Andhra Pradesh, India, Pincode: 533437	India
Mr. Amujuru Venkata Mahesh	Assistant Professor, Department of Computer Science and Engineering, GIET University, Gunupur, Odisha, India, Pincode:765022	India
Dr. Nellore Manoj Kumar	Independent Researcher, 15-225, Gollapalem, Venkatagiri, Tirupati District, Andhra Pradesh, India, Pincode: 524132	India
Dr. Raghava Raju Aradhyula	Associate Professor, Department of ECE, Guntur Engineering College, Guntur, Andhra Pradesh, India, Pincode: 522019	India
Dr. P. Ramadevi	Assistant Professor, Department of ECE, Institute of Aeronautical Engineering, Dundigal, Hyderabad, Telangana, India, Pincode: 500043	India
Mr.H.Umesh Prabhu	Assistant Professor, Department of EEE, St. Joseph's College of Engineering, OMR, Chennai-600119	India

Abstract:

The present invention relates to a method and apparatus for enhancing chatbot communication with AI and IoT sensors. The invention involves the integration of AI and IoT sensors to provide more personalized and contextually relevant responses to user queries. The AI algorithm uses machine learning techniques to analyze real-time IoT sensors and improve the chatbot's understanding and responses. The IoT concept involves the use of sensors to collect real-time data from the environment, which is transmitted to the cloud or a central server for storage and analysis. The invention has several applications, including healthcare, where the chatbot can be used to monitor patients and provide personalized and contextually relevant responses to patient queries. Overall, the present invention represents a significant advance in the field of chatbot technology and has the potential to revolutionize the way we interact with technology.

Complete Specification

Description: The invention relates to a method and apparatus for enhancing chatbot communication with AI and IoT sensors. The primary objective of this invention is to improve the overall user experience and efficiency of chatbot interactions by integrating real-time data from IoT sensors with AI chatbot communication. The method involves a chatbot system that is equipped with AI algorithms and IoT sensors. The system can collect real-time data from IoT sensors and analyze it using AI algorithms to generate insights that are relevant to the user's conversation. The chatbot can then use these insights to provide more accurate and relevant responses to the user.

Background of the invention:

Chatbots have become increasingly popular in recent years, as businesses and organizations have sought to improve their customer service and communication capabilities. However, chatbots are limited by their ability to understand and respond to user queries accurately. This limitation has led to the development of more advanced chatbot systems that incorporate AI algorithms to improve their communication capabilities.

At the same time, the rise of the Internet of Things (IoT) has provided an unprecedented amount of real-time data that can be used to improve chatbot communication even further. IoT sensors can collect data on a wide range of environmental factors, such as temperature, humidity, and lighting, that can be used to generate insights that are relevant to the user's conversation.

This invention seeks to integrate AI chatbot communication with IoT sensors to create a more personalized and efficient user experience. In this paper, we will provide a deeper and longer background on this invention, including its historical context, current state of development, and potential future applications.

[View Application Status](#)



[Terms & conditions \(http://ipindia.gov.in/terms-conditions.htm\)](http://ipindia.gov.in/terms-conditions.htm) [Privacy Policy \(http://ipindia.gov.in/privacy-policy.htm\)](http://ipindia.gov.in/privacy-policy.htm)

[Copyright \(http://ipindia.gov.in/copyright.htm\)](http://ipindia.gov.in/copyright.htm) [Hyperlinking Policy \(http://ipindia.gov.in/hyperlinking-policy.htm\)](http://ipindia.gov.in/hyperlinking-policy.htm)

[Accessibility \(http://ipindia.gov.in/accessibility.htm\)](http://ipindia.gov.in/accessibility.htm) [Archive \(http://ipindia.gov.in/archive.htm\)](http://ipindia.gov.in/archive.htm) [Contact Us \(http://ipindia.gov.in/contact-us.htm\)](http://ipindia.gov.in/contact-us.htm)

[Help \(http://ipindia.gov.in/help.htm\)](http://ipindia.gov.in/help.htm)

Content Owned, updated and maintained by Intellectual Property India, All Rights Reserved.

Page last updated on: 26/06/2019