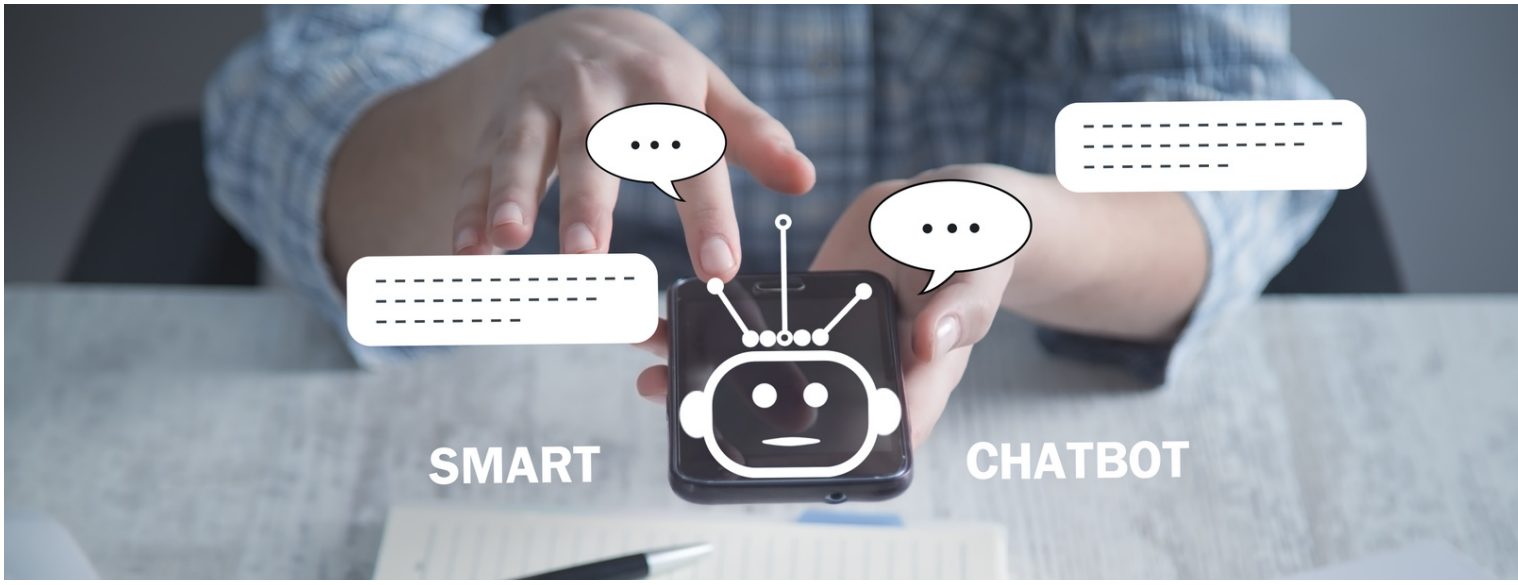
{CODE IT}

https://vaguefoundation.com



Theme: ChatBot

EDITORIAL

A chatbot or chatterbot is a software application used to conduct an online chat conversation via text or text-to-speech, in lieu of providing direct contact with a live human agent.Chatbots are computer programs that are capable of maintaining a conversation with a user in natural language, understanding their intent, and replying based on preset rules and data. Designed to convincingly simulate the way a human would behave as a conversational partner, chatbot systems typically require continuous tuning and testing with many in production unable to adequately converse; in 2012 none of them could pass the standard Turing test

Many more innovation to come in the field of Chatbot through AI and ML. So for the students it is very much important to know and use productively these tools.

Happy Coding!

CONTENTS

Guest Article

by ***Mr. Dhaval Patt***

What is Chatbot?

Chatbots are computer programs designed to simulate conversation with human users, typically through messaging or voice-based interfaces. They use artificial intelligence (AI), machine learning (ML), natural language processing (NLP), and other technologies to understand and interpret human input and respond accordingly. Chatbots can be designed for a wide range of purposes, including customer service, sales, marketing, information retrieval, and personal assistance. They can be integrated into messaging platforms, social media, websites, and mobile apps, and can be used to automate tasks, provide information and support, and enhance user engagement and satisfaction.

How to build Chatbot?

Creating a chatbot can be a complex process that requires knowledge of programming, natural language processing, and machine learning. However, there are several tools and platforms available that can simplify the process and allow users to create a basic chatbot without coding skills. Here are some steps to create a chatbot:

- Define the purpose and functionality of your chatbot: Identify the goal and purpose of your chatbot, such as customer service, lead generation, or information retrieval. Determine the types of questions and queries your chatbot will handle and the responsesit will provide.
- Choose a chatbot platform: There are several chatbot platforms available that provide pre-built templates, tools, and integrations for creating chatbots. Some popular platforms include Dialogflow, Botpress, Chatfuel, and ManyChat.
- Build the chatbot: Depending on the platform you choose, you can create a chatbot by following a step-by-step process that involves defining intents, entities, and responses. You can customize the appearance and behavior of your chatbot, including its name, avatar, voice, and language.
- Train the chatbot: Once you have built the chatbot, you need to train it to recognize and respond to user input. This involves testing the chatbot and providing feedbackto improve its accuracy and performance.
- Integrate the chatbot: After training the chatbot, you can integrate it with your website,messaging platform, or social media account. You can also add analytics and tracking tools to monitor the performance of your chatbot.

Creating a chatbot can be a challenging and time-consuming process,especially if you want to create a sophisticated and intelligent chatbot that can handle complex queries and conversations. However, by using a chatbot platform and following best practices for chatbot design and development, you can create a functional and effective chatbot that enhances user engagement and providesvalue to your institute.

Some of the best Chatbot across the Globe:

- **Mitsuku:** Developed by Steve Worswick, Mitsuku is a chatbot that has won several awards for its ability to engage in natural language conversations and provide personalized responses.
- **Woebot:** Woebot is a chatbot that provides mental health support and therapy using cognitive-behavioral techniques. It has been praised for its accessibility and effectiveness in helping people manage anxiety and depression.
- **Xiaoice:** Developed by Microsoft, Xiaoice is a Chinese-language chatbot that has become popular for its ability to hold intelligent and empathetic conversations with users. It has been used for customer service, entertainment, and education.
- **Hugging Face:** Hugging Face is a chatbot platform that provides a range of AI-powered chatbots for various purposes, including language translation, customer service, and virtual assistants. Its chatbots have been praisedfor their accuracy and efficiency.
- **Insomnobot 3000:** Insomnobot 3000 is a chatbot developed by mattress company Casper to help people who have trouble sleeping. It engages in friendly conversations and provides relaxation techniques and tips for better sleep.

As an artificial intelligence language model, I do not have direct access to the opinions of individual principals. However, in general, Chatbots have become increasingly popular in recent years as a tool for businesses and organizations to communicate with customers and clients. Chatbots can provide quick and efficient responses to common queries, freeing up human customer service representatives to focus on more complex issues.

In the context of education, chatbots can be used to provide students with instant access to information and resources, such as class schedules, assignments, and academic support services. Chatbots can also be used to answer frequently asked questions and to provide personalized guidance and support to students.

However, it is important to note that chatbots should not replace human interaction and support completely. While they can be useful in certain contexts, there is still value in face-to-face communication and the development of relationships between students and teachers or other school personnel. Ultimately, the effectiveness of chatbots in education will depend on their design and implementation, as well as the specific needs and preferences of the school community.

As chatbot technology continues to evolve and improve, we can expect to see even more innovative and effective chatbots in the future.

Mr. Dhaval Patt *is the Principal of Shri. L. G. Haria School, Jamnagar. He is a renowned and enthusiastic educator and having a vast experience in leading schools. He found always energetic and experiments innovative pedagogy for students.*

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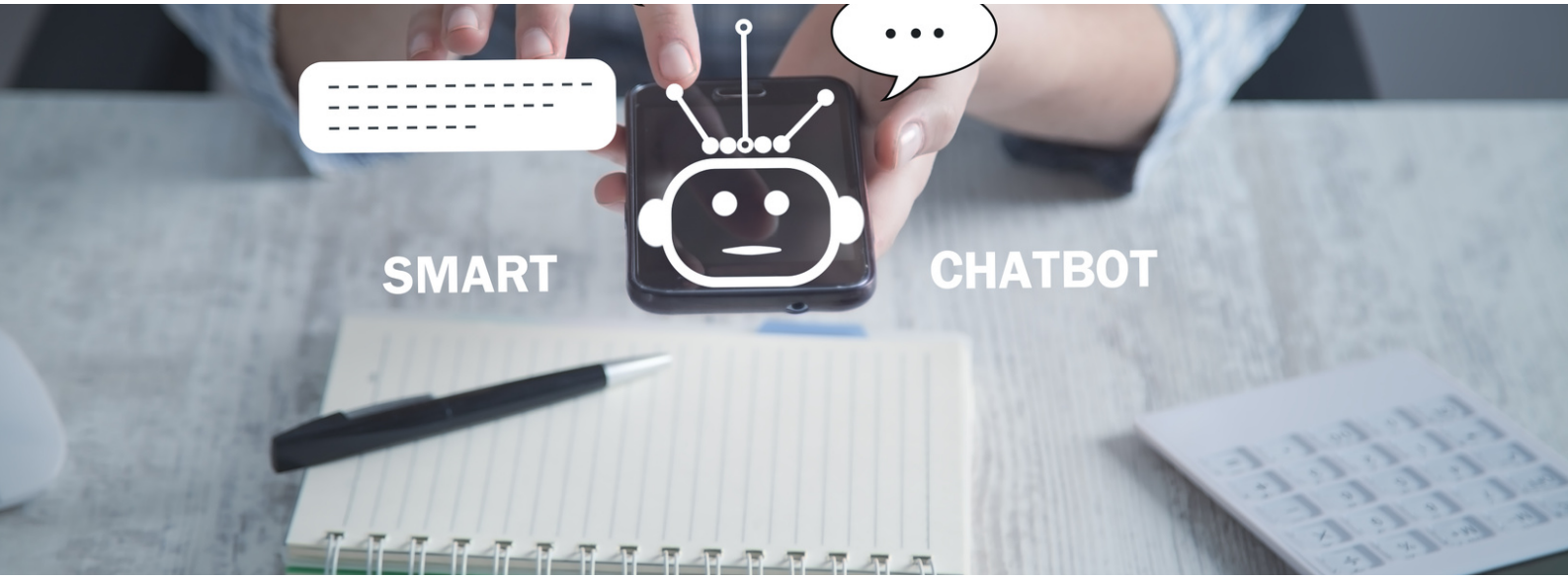

Creatives

Chatbots** by **Mr. Raj Shah

Chatbots have become increasingly popular in recent years, and they are now used in a wide range of industries, from customer service to healthcare. For students, chatbots can be a useful tool for a variety of purposes, including academic assistance, career guidance, and mental health support.

What is a Chatbot?

A chatbot is a computer program designed to simulate conversation with human users, either through text or voice. Chatbots use artificial intelligence (AI) and natural language processing (NLP) to understand and respond to user queries, providing information or assistance in a conversational format.

Types of Chatbots

There are two main types of chatbots: Rule-based and AI-based.

Rule-based chatbots are simpler and follow pre-programmed rules and responses to specific user inputs. They are generally less intelligent than AIbased chatbots and can only respond to specific commands or queries.

AI-based chatbots use machine learning algorithms to understand user inputs and generate responses. These chatbots can learn and improve over time as they are exposed to more data and interactions.

Uses of Chatbots for Students

Academic Assistance: Chatbots can provide academic assistance to students by answering questions related to course content, assignments, or exams. They can also provide study tips and resources to help students improve their grades.

Career Guidance: Chatbots can assist students in exploring career options, providing information on job prospects, salary expectations, and required qualifications. They can also help students create resumes and cover letters.

Mental Health Support: Chatbots can provide mental health support to students by providing coping strategies, offering support, and referring students to appropriate resources.

Student Services: Chatbots can provide information on student services such as library hours, campus events, and housing options

How to Interact with a Chatbot

Interacting with a chatbot is similar to texting with a friend. Simply type in your query or request, and the chatbot will respond with a relevant answer or suggestion. Some chatbots also offer voice recognition, allowing you to speak your queries out loud.

***Mr. Raj Shah** is a mentor at Shri. L. G. Haria School, Jamnagar. He is always energetic and ready to work on any assignments with positive mindset.*

rajshah72539@gmail.com

Newsroom

Winners of Hour of Code 2022

Domain: Canva

Sr. No.	Rank	Student Name(s)	School	Project Title	Mentor
1	First	Jinal Khakhariya		"History of Java"	Ms. Maulie Abraham
2	First	Jenisha Amlani		"Facts about South Korea"	Ms. Maulie Abraham
3	Second	Shreya Tandel		Website "Scrapbook with me"	Mr. Aniruddha Jadeja & Ms. Snehal Moliya
4	Third	Aisha Kundalia		"History of Orkut"	Ms. Maulie Abraham

Domain: Scratch

Sr. No.	Rank	Student Name(s)	School	Project Title	Mentor
1	First	Kavya Kathiriya		"Rc Science Quiz"	Ms. Ria Singara & Ms. Rashmi Gori
2	First	Jenisha Amlani		"Bouncing Game"	Ms. Amee Thakrar
3	First	Aisha Kundalia		"Ninja dash"	Ms.Nisha Nagpal
4	Second	Rushabh Maru		"Pong Game"	Ms. Amee Thakrar
5	Second	Naqiyah Soni		"The Flying Cat"	Ms. Amee Thakrar

Continue...

Radhika EduCare School, Jamnagar Shri. L. G. Haria School, Jamnagar Radhika Classes, Jamnagar

Newsroom

Winners of Hour of Code 2022

Domain: Scratch

Sr. No.	Rank	Student Name(s)	School	Project Title	Mentor
6	Second	Jinal Khakhariya		"Donut Game"	Ms. Amee Thakrar
7	Third	Devya Lakhani		"Zombie Shooter"	Ms. Charmi Chudasama

Domain: WordPress

Sr. No.	Rank	Student Name(s)	School	Project Title	Mentor
1	First	Krupa Ghadiya		Website of Radhika Classes	Mr. Nirav Panara & Mr. Devang Kanakhara
2	First	Jeet Jani		Website of Brass Industries	Mr. Nirav Panara & Mr. Devang Kanakhara
3	Second	Archit Solani		"Website of Hospital"	Mr. Nirav Panara & Mr. Devang Kanakhara
4	Second	Riya Chandariya		"Website of Tourism"	Mr. Nirav Panara & Mr. Devang Kanakhara
5	Third	Krishiv Bakrania		"Super Hero"	Ms. Maulie Abraham
6	Third	Neev Dodhia		"Super Hero"	Ms. Maulie Abraham
7	Third	Harmish Bhatti		"Website of Web-Designing"	Mr. Keval Nagaria
8	Third	Haresh Patadiya		"Website of Web-Designing"	Mr. Keval Nagaria

Trends - ChatBot

Good Twitter Handles

@OpenAI

@ChatGPTChef

Good BLOG to Read

SCAN THESE QR-CODES TO GO

Good Video to See

Some Popular ChatBots

OpenAI ChatGPT 4.0

atspoke.

Answer Bot

DRIFT

einstein

Grey Matter

SUDOKU

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Rules: (i) Each row and column must contain the numbers from 1 to 9, without repetitions. (ii)The digits can only occur once per block

REBUS PUZZLE

A rebus is a puzzle device that combines the use of illustrated pictures with individual letters to depict words or phrases. Rebus Writing can be a really helpful tool to incorporate into lessons at school, particularly those teaching Phonics. Because the Rebus principle focuses on pictographs representing single words, sounds and syllables, it can help children get to grips with specific phonemes they need to know and lateral thinking among students. Example:

Cutting Edge

INVITATION & ANNOUNCEMENT

Theme based articles / posters / essays are invited from the students and faculty members for the Upcoming Issue of **"Code-IT"**. The theme of the next issue is **Quantum Computing**. Selected articles will be published in this newsletter and an e-certificate will be given to the author(s). Authors can submit their articles with photographs to **vaguefoundation@gmail.com** on or before **15/06/2023**.

Important Instructions:

- The article/essay must be of 300 to 500 words / Posters in JPEG format only
- The article must be original (if taken from other website/material, please mention the source.)

Publisher

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