

Prize Winner

Computer Programming, Apps & Robotics

Year 3-4

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LECHATBO A friendly robot indeed

Abstract

San the chatbot is a friend indeed for anyone in need of a friend when you feel lonely. San is funny and interactive in the best possible 2020 udent way like a friend.

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SAN the Chatbot The friend indeed

Aim: The aim of our project is to make a robot based on the idea a friend indeed. This robot is a chatbot friend that cheers you up and never lets you down. As you know a normal best friend forever (BFF) would always be there for you and will not let you down, but instead this is a robot that will always keep you company. San will keep you cheerful and happy all the time.

Software used: San the chatbot was created using Scratch.mit.edu.

Introduction: In the first phase we have been working on feelings, we've made the robot to ask "How are you feeling?" and it will start a conversation with you. The robot is programmed to ask questions and answer questions. The robot would basically interact just like a friend would do based on our feelings.

How we came up with the idea of SAN: It all started with Covid pandemic. We were lonely and sad in lockdown not being able to go to school or catching up with friends so we came up with this idea of making people happy and to make them feel like they are with their friends.

Instructions to operate SAN:

Here's the link on where you can find SAN the chatbot: https://scratch.mit.edu/projects/405258396/

To start this robot you'll need to click on the green flag.

Click on the Green flag to start the program then then the San the chatbot it will introduce itself.

SAN begins the conversation by asking you to choose from a list of 4 feelings. The 4 feelings are:

Happy, Sad, Angry, normal and then it interacts with you and you need to type your answers in the textbox.

Technically we have used:

- 1. Controls such as if else, if then else and timers to make the robot interact.
- 2. Events like when clicked and text to speech.
- 3. Sounds.
- 4. Sensing to ask questions and wait for a reply.
- 5. Looks to make the robot appear like it's talking.
- 6. **Operators** for yes and no functions.

We have included quizzes, jokes and riddles to make it more fun. The Red octagon is used to stop the program.

Some screenshots of the program are







These are some of the screenshots of the program we did in scratch.

Conclusion:

Our Chatbot San is a friend indeed with funny jokes and riddles to cheer us up when not in the mood. In Phase 2 of the project we plan to improvise the robot to interact with more information for example like solving problems.

Bibliography:

- Computer Coding for kids by Jon Woodcock
- Scratch tutorials from https://scratch.mit.edu/
- Quiz from Nature's Kingdom by Dean's International publishing

Acknowledgement

I Magalakshmi Ramamurthy mother of Siddharth Prabhu hereby acknowledge in assisting Siddharth and Anas with uploading their report document in the oliphant science website.

Kind Regards

Magalakshmi

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