IoT Thing Development

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Idea:

The idea for the device was, when the potentiometer was twisted to a current of 3.3 amps, the button could be pressed and an LED alongside a buzzer would activate. If the current was less than 3.3 amps and the button was pressed, nothing would happen.
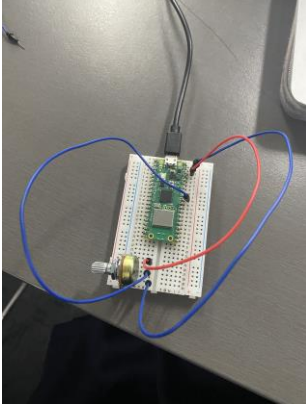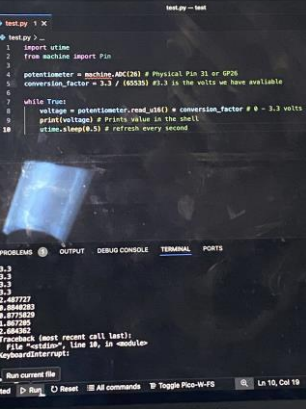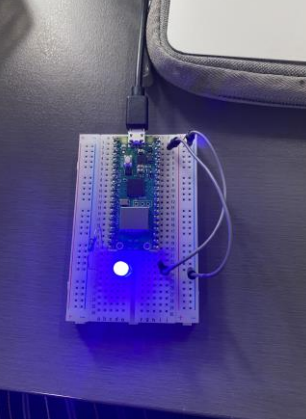
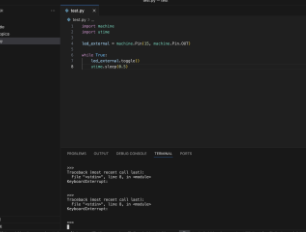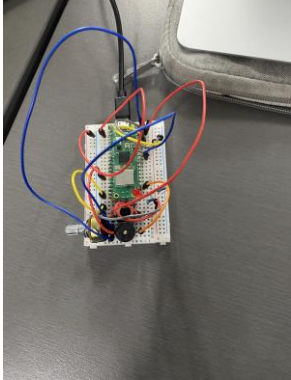Code / Github link:

https://github.com/anekasingh/Year-9-IT

Problems and solutions:

There were problems me and Aneka experienced when making the project, the main two being trying to figure out how to sound the buzzer, and how to activate the button, as we could not find tutorials that worked on either. Luckily, our classmate Scherwan helped us with both of the problems.

Photos:

IMAGE	DESCRIPTION	DATE

	This image shows our potentiometer. We did this so we would know how to connect the potentiometer in the final project.	15.10.2024
	This image shows the code we used to make the potentiometer work. The code is shown working in the terminal.	15.10.2024
	This image shows an LED blinking. We did this so we would know how to connect the LED in the final project.	24.09.2024
	This image shows the code to make the LED blink.	24.09.2024

	This image shows the final device we made. We forgot to document when we added the buzzer and button.	23.10.2024
	This image shows the code we used in the final device.	23.10.2024

By: RamboPi, Year: 2023, Name: Raspberry Pi Pico Potentiometer in Micropython w/Code MADE EASY, Container: YouTube, URL: https://www.youtube.com/watch?v=ulVr5TGbfMk

By: Revernos Technology, Year: 2022, Name: Raspberry Pi Pico SIMPLE Project (External LED Blinking Tutorial) | Beginner Electronics Project, Container: YouTube, URL: https://www.youtube.com/watch?v=5nPBZBUpw7E

Button: Scherwan helped us

Buzzer: Scherwan helped