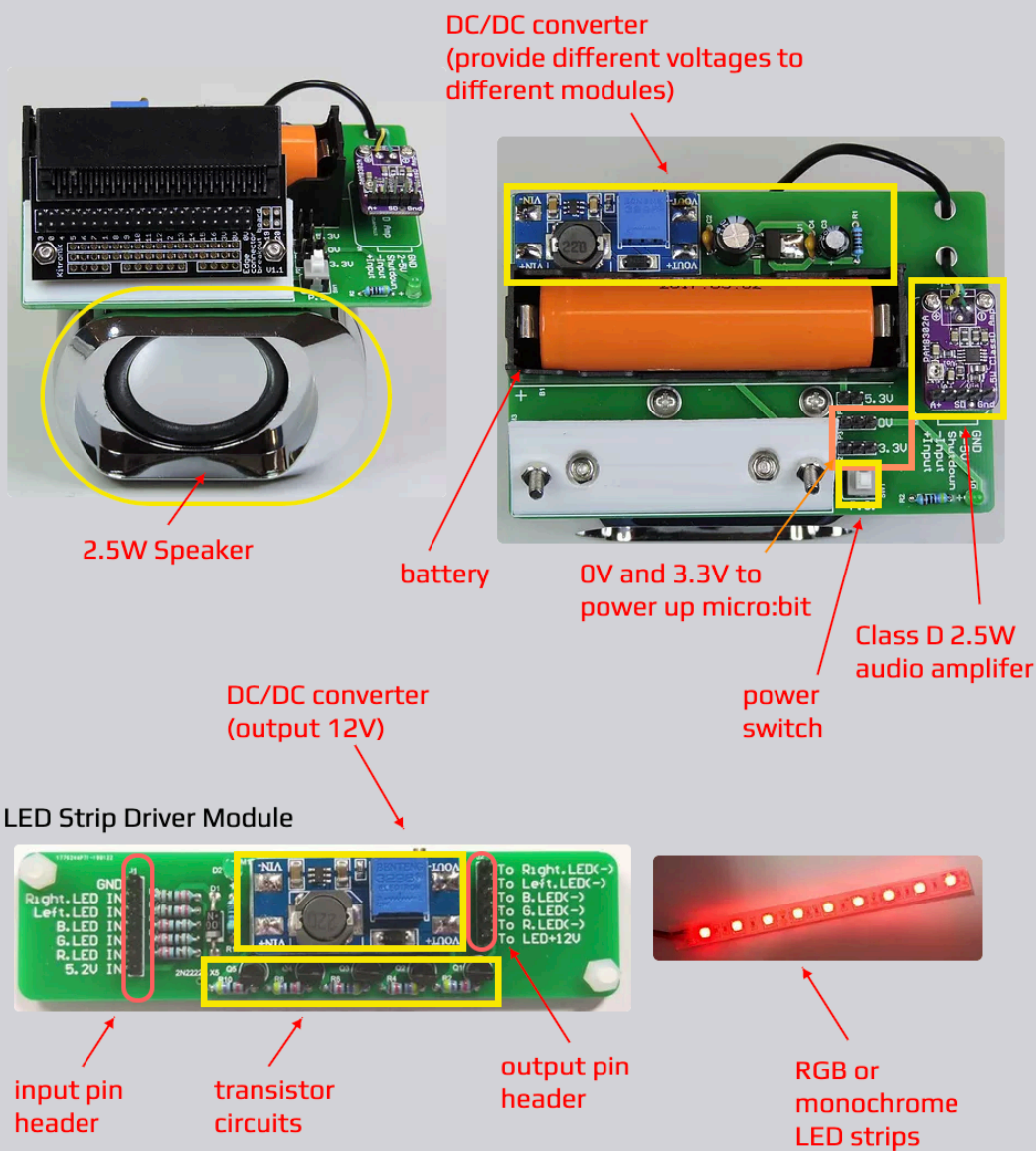


Bike Rider Facilitating System

This project is to design a system for bike rider.

Used Hardwares

Photos of the hardware platform

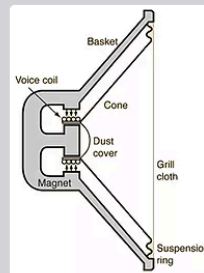


Used Actuators

1. LoudSpeaker



Loudspeaker reproduces sound based on electromechanical process. When voltage is applied, the voice core generates magnetic field. Together with the fixed magnet, the cone will move accordingly. Therefore, when a signal is applied, the cone vibrates and generates sound.



1. What is Loudspeaker?

[THIS PAGE](#)

2. How to drive it?

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3. Programming music

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2. LED Strip


LED strip is a flexible circuit board with surface mounted light-emitting diodes (LEDs) installed.

RGB (multicolor) LED strip: Each LED is capable of displaying red, green, blue, driven by three inputs. Color of the LEDs can be manipulated by varying the voltage applied to input.



Monochrome LED strip: Only single color is emitted by the LED, but the brightness can be control by varying the input voltage.




Cutting point