

SHRAVYA TARANG (AUDIO PLUSE)

Fab Academy 2019 | Mr. Ahmad Ali



Description: The objective of this project to design low cost Sound Reactive Bluetooth Speakers. The audio/sound has been mapped to the neopixel LED's for making it react to the amplitude of sound connected via bluetooth.

Detail Description: The idea is to make musically colorful LED Speakers by using a microphone to record live sound, representing itself in various colors and diversified patterns through the Neopixel LED. In this project using Atmega microcontroller, the amplitude and the frequency data are used to determine the brightness and the color and the light respectively. Bluetooth module HC-05, Audio Drivers LA4440, Nexopixel LED's has been used in this project.