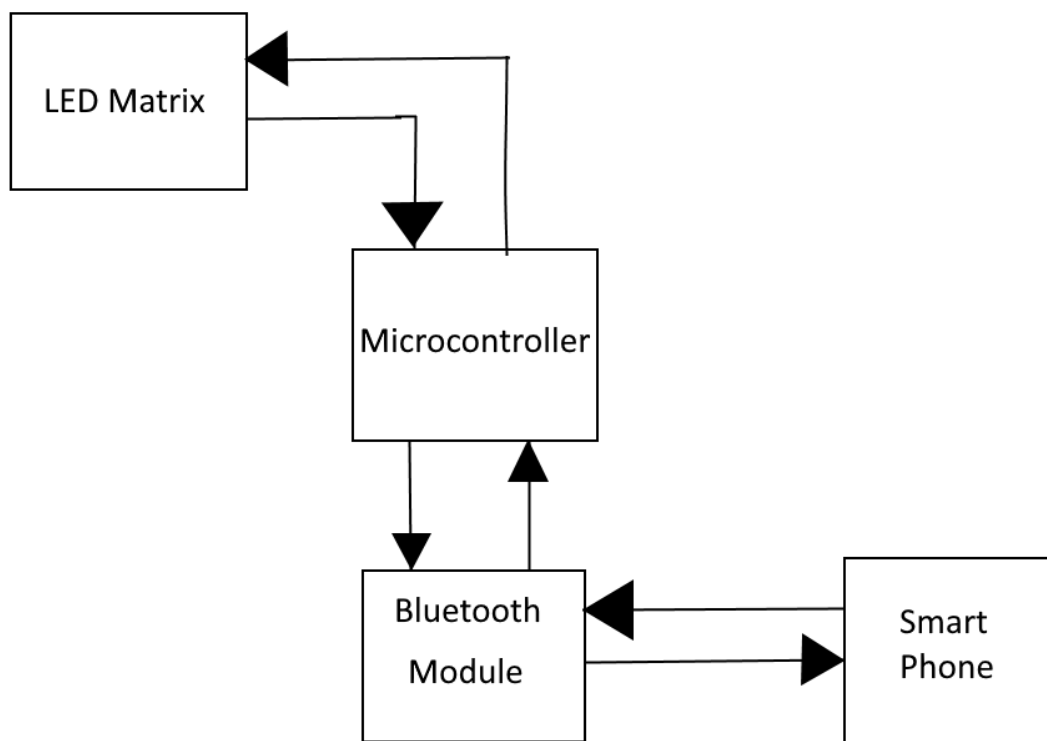


5780 Project Proposal

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Our group's project idea is to make an LED-Matrix "License Plate" That can be attached to bicycles or ebikes, that can be controlled by a phone via bluetooth to send messages such as turn signals, brake lights, or just general display messages. The LED Matrix will be attached to a microcontroller, which will have a bluetooth module that interfaces with a phone as well as handlebar mounted buttons that can send different images to the display.



Milestone 1: Control microcontroller with phone via bluetooth module

Milestone 2: Connect and interface led matrix with microcontroller

Milestone 3: Power system with custom portable power supply

Milestone 4: Send images and signals to Microcontroller from phone to display on matrix