

Wireless Rear Derailleur

Planning

Buy parts

- Order on-line
- Microcontroller ESP-32
- RC Tx/Rx 2.4GHz
- PCB Proto Board
- Li Battery ~5V

Project Plan Document

- Work on Document
- Document delivery

Project Status Report

- Work on Document
- Document delivery

Final tasks

- Testing and Tuning

Project Report

- Work on Document
- Document delivery

Programming

Motor Testing

- Shifting Algorithm
- Tuning Algorithm

Buttons

- Button delay
- User feedback

Testing 1

Wireless communication

- Transmitter testing
- Receiver algorithm
- Testing 2

Mechanics

Shifting Module

Bracket

- Design
- Manufacture prototype
- Testing

Transmission

- Design lever or gearing
- Manufacture
- Testing

Casing

- Design
- Manufacture
- Testing

Cable

- Manufacture



