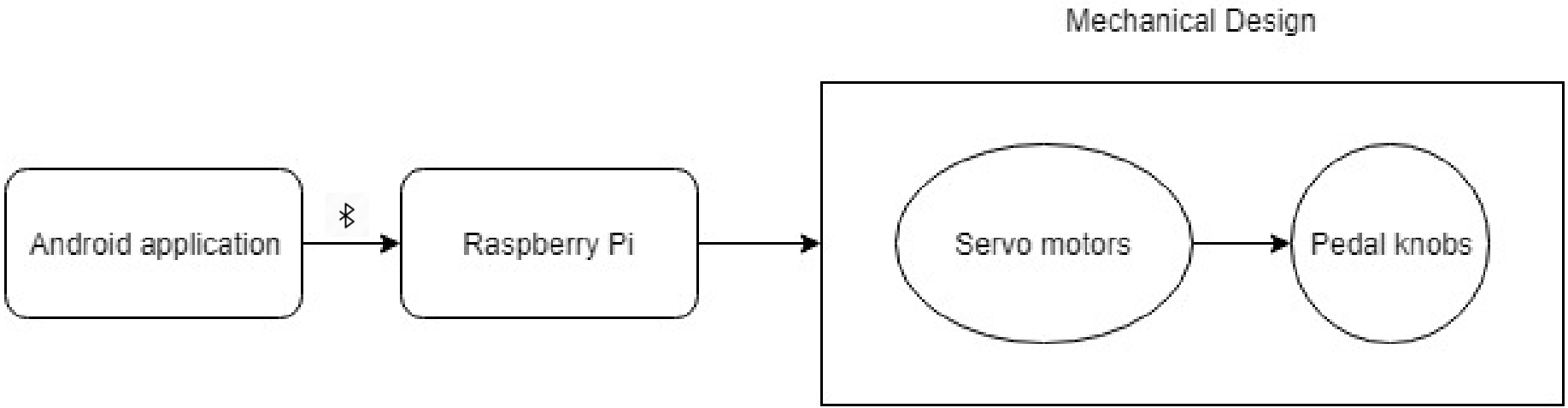
Autogaze 

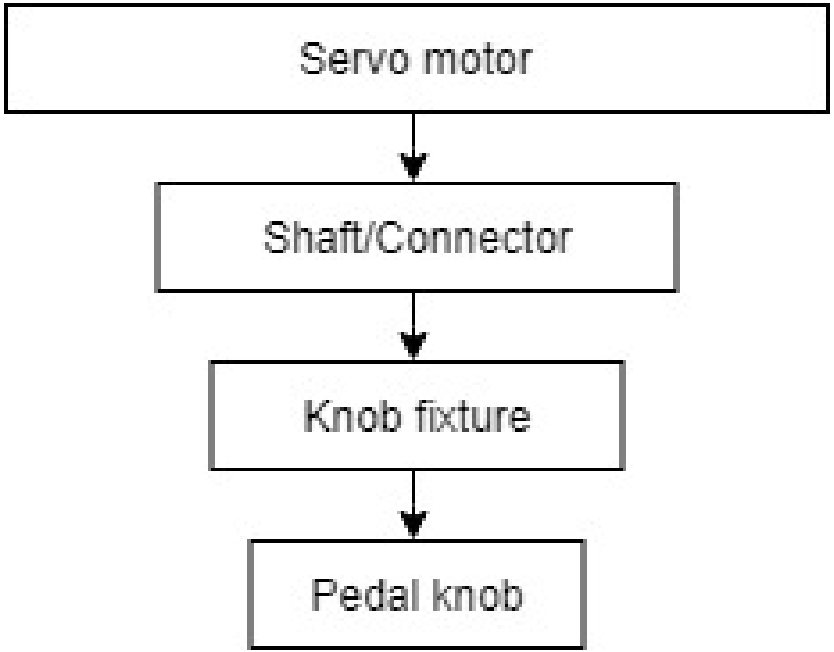
Gaze at the audience, not at your shoes

Key Problem:

Solution:


Mechanical Design
Android application
Raspberry Pi
Servo motors
Pedal knobs

Solution:



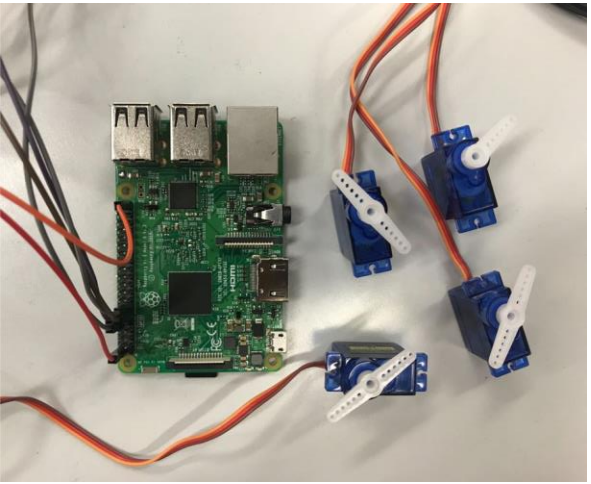
Project objectives:

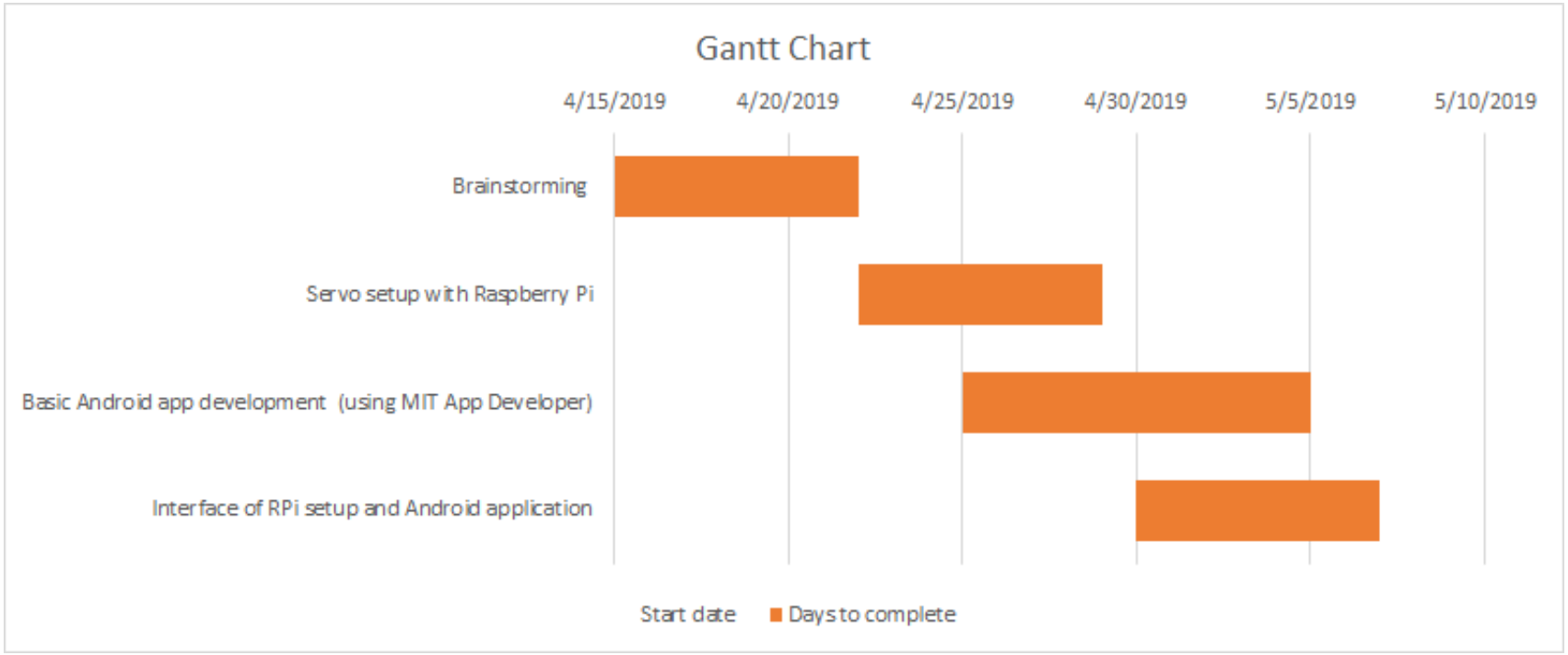
Milestones:

1. Design of pedal block
2. 3D printing
3. Design of servo motor with shaft (interfacing with pedal)
4. Raspberry Pi to control the servo motors
5. Creation of application
6. Interface of RPi setup and Android application
7. Final Testing

Accomplishment and Demos:

1. Servo setup with Raspberry Pi
2. Basic Android app development (using MIT App Developer)
3. Interface of RPi setup and Android application

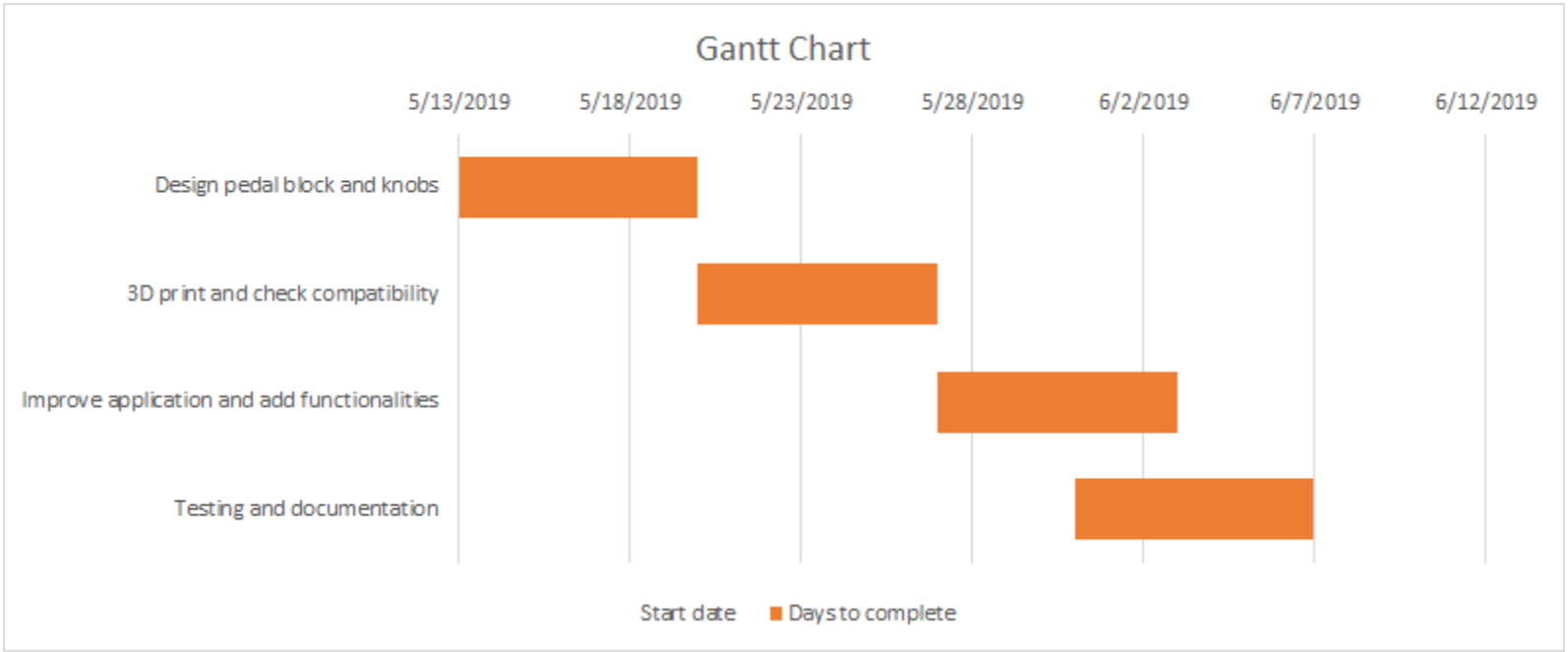



Gantt Chart
4/15/2019
4/20/2019
4/25/2019
4/30/2019
5/5/2019
5/10/2019
Brainstorming
Servo setup with Raspberry Pi
Basic Android app development (using MIT App Developer)
Interface of RPi setup and Android application
Start date
Days to complete

Quarter Plan:

- Design pedal block and fixtures for pedal knobs in Google Sketchup
- 3D print these fixtures and check compatibility
- Make improvements in application and add more functionalities
- Testing and documentation

Pedal Design and 3D printing	Hitesh, Sneh
App improvement	Sivasankar, Ronnie
Testing and documentation	Everyone + Peter


Gantt Chart
5/13/2019
5/18/2019
5/23/2019
5/28/2019
6/2/2019
6/7/2019
6/12/2019
Design pedal block and knobs
3D print and check compatibility
Improve application and add functionalities
Testing and documentation
Start date
Days to complete

Thank you!