

## Electronics 2: Segway Coursework

### Team 8

Group Members: Hannah Lau, Matthew Last, Will Pepera, Tom Woodburn

Files within the Zip folder

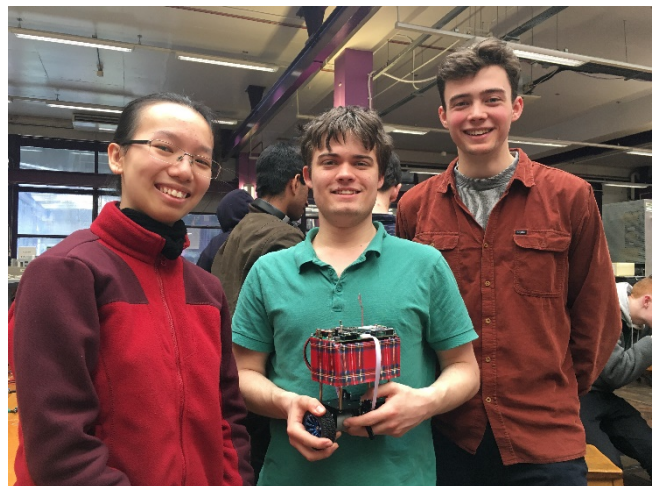
Milestone1-bluetooth.py	Switch Setting: 00 Motor control of robot using Bluetooth (Will and Tom)
Milestone2-beatdetec.py	Beat detect, flashing LED
Milestone3-dance.py	Switch Setting: 10 Modified Beat Detect code (Matthew and Hannah), dancing steps with stabiliser (Will and Tom)
Milestone4-balance.py	Balancing of robot using PID (Will and Tom)
Milestone5-balancebluetooth.py	Switch Setting: 01 Balancing robot, with motors controlled using Bluetooth
Milestone6-balancedance.py	(Not fully working, unsolved error 'MIC not defined') Balancing robot, detecting beats and implementing dancing steps

Also included are the standard modules:

Especially,

Main.py – where all the switch settings are determined

Motor.py – Which is referenced for motor control



Missing from photo: Will Pepera – who was ill on the presentation day