

EA2.3 Electronics 2

Team Project Assessment Guidelines

Peter Cheung, v2.0

Assessment will take place on Wednesday 21 March 2018 in the Electronics Lab, Level 1, EEE between 9.00pm and 12 noon. It will be in two parts:

Part 1 - Each team will be interviewed for around 20 minutes with one of the Assessors, who will establish the extent to which the team has completed the various milestones, how well has the team working together as a team, the novelty introduced by the team, the understanding and application of the various topics (in signal processing, system characterization and control) in execution of the project, etc.

Part 2 – Each team will compete in a “Come Dancing” competition to live music by demonstrating their best milestones in action.

WEBPA

The peer assessment tool, **WebPA** will be used to differential the contributions of individuals to the Team. **WebPA** will be available for you to participate. It will open from 12 noon on 21st March and will close at mid-night on 23rd March 2017. The results from WebPA affects 50% of the team project marks, or 10% of this module.

RANGE OF GRADES AT DIFFERENT LEVELS OF ACHIEVEMENTS (OTHER FACTORS ALSO AFFECTS THE OVERALL GRADE)

Level	Achievement	Range
1	MS1: Drive Segway with stabilizer under mobile App control	C- to C
2	MS2: Beat detection indicated by blue LED + above	C to B-
3	MS2: Segway with stabilizer dance to live music sync to beats + above	B- to B+
4	MS3: Segway self-balancing, without falling over when disturbed + above	B+ to A-
5	MS3: Segway self-balancing and moving under mobile App control + above	A- to A
6	MS3: Segway self-balancing and dance to live music	A to A+

SCHEDULE FOR TEAM ORAL ASSESSMENT

Team	Time	Assessor
1. Emily, Aisha, Ric, Gordon	09:00 – 09:20	1
2. Ruksana, Minal, Alfie, Christopher T	09:00 – 09:20	2
3. Laerke, Ollie, Ken, Bill	09:00 – 09:20	3
4. Omer, Morteza, Ryan, Jacob	09:20 – 09:40	1
5. Keith, Thomas, Gabriele, Hayden	09:20 – 09:40	2
6. Federico, Fred, Ben, Joe	09:20 – 09:40	3
7. Gareth, Melisa, James, Matt H.	09:40 – 10:00	1
8. Hannah, Matthew, Tom, Will	09:40 – 10:00	2
9. Kyle, Chris H., Nirav, Robert	09:40 – 10:00	3
10. Daniel, Zach, Sam, Visakan	10:00 – 10:20	1
11. Michael, Hugo, Frankie, Sophie	10:00 – 10:20	2
12. Anusha, Ellie, Rowan, Neel	10:00 – 10:20	3
13. Oli, Pilar, Haron, Justice	10:20 – 10:40	1

Please email Peter Cheung the music that your Segway will dance to by 20 March 2018 (in mp3 format).
Demonstration and Dance competition: 10.45am to 12 noon.

ASSESSMENT AND FEEDBACK

Each team must send the team’s Python code in a zipped file via email to PYKC by 13:00 on 21 March. The Assessor will complete a marksheet/feedback form after the assessment session and after studying the Python code. The feedback form will be returned to the group by 6 April 2018. Your individual grade for the team project will be posted on Blackboard.

DE2.3 Electronics 2 – Team Project Assessment Feedback Form

Team

Team Grade:

Project

:

1. What is the level of achievement in the Team Project? (Circle the level in the table below)

Level	Achievement	Range
1	MS1: Drive Segway with stabilizer under mobile App control	C- to C
2	MS2: Beat detection indicated by blue LED + above	C to B-
3	MS2: Segway with stabilizer dance to live music sync to beats + above	B- to B+
4	MS3: Segway self-balancing, without falling over when disturbed + above	B+ to A-
5	MS3: Segway self-balancing and moving under mobile App control + above	A- to A
6	MS3: Segway self-balancing and dance to live music	A to A+

Team Working

2. Are responsibilities well distributed among team members?

Compelling evidence

Some evidence

No evidence

Learning Objectives

3. How well did team members answer technical questions on the project?

Excellent

Good

OK

Poor

Very poor

4. What is the quality of the implementation (judging from the submitted Python code)?

Excellent

Good

OK

Poor

Very poor

FEEDBACK TO THE TEAM: