




# Microcontroller Based Systems (CCE2014) Group Scaling Form

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Group Number:

Name	ID	Contrib.	Date	Signature
				
				
				

## Instructions

### Completing and Submitting this Form

Please complete this form electronically with Adobe Acrobat Reader DC<sup>1</sup>. Once all other details are filled in, signatures need to be added by each group member by clicking 'fill and sign' and indicating that you're the one signing. No amendments are allowed on the form. The completed form is to be submitted on the following folder on SVN:

[https://username@cce2014-ict.research.um.edu.mt/svn/CCE2014/2022-2023/Group\\_XX/documentation/scaling/](https://username@cce2014-ict.research.um.edu.mt/svn/CCE2014/2022-2023/Group_XX/documentation/scaling/)

where XX is your two-digit group number, and the filename should be:

- group-scaling-final.pdf for the final submission (deadline for submission: 24 May 2023, 16:00), and
- group-scaling-dryrun.pdf for the dry-run, (deadline for submission: 27 Mar 2023, 16:00).

*Please follow the naming convention strictly as a script will be used to collect grades. Also note that the submitted form should be the one completed electronically with Acrobat. No other method or software is allowed.*

### Dry-Run

A dry-run of this process is held during the lab session on the day of the deadline. In preparation for this you should complete and submit a copy of the form and get it with you for discussion.

<sup>1</sup>This is available for free from <https://get.adobe.com/reader/> for Mac and Windows users. Your signature needs to be entered once for every installation of Reader, using a graphic tablet or by scanning it in.

## How This Works

The contribution value listed for each group member indicates the individual contribution to the group work; specifically:

- A score of 0 indicates that the group member contributed to the group as expected, doing no more or no less than was agreed.
- A value less than 0 indicates that the group member did less work than expected, with a more negative number indicating less effort.
- A value greater than 0 indicates that the group member did more work than expected, with a more positive number indicating more effort.

Note that the sum of the individual contributions for the group members must be 0. This means that if one or more people have negative scores, then there must be one or more people having positive scores to balance this out and vice-versa. Each member's score will be used to scale the overall mark the group achieved for that member by fractions of ten.<sup>2</sup> For example, if the overall group mark is 60% and

- a member gets a score of -2, then that member will get a final mark of

$$60\% \times \frac{10 - 2}{10} = 48\%$$

- a member gets a score of +2, then that member will get a final mark of

$$60\% \times \frac{10 + 2}{10} = 72\%$$

All grades are provisional until Board of Examiners approval.

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<sup>2</sup>This is subject to the obvious constraint that scaled marks are clipped at 100% and 0%, i.e. nobody can get a mark less than 0% or greater than 100%.