Propose a vacation student project for Summer 2018

Deadline for making your proposal(s): 17:00 Friday 23 March. This is a hard deadline.

Please fill in and submit this form multiple times for multiple proposals. Any queries, do ask - Toby.

Project supervisor email *

p.nutter@manchester.ac.uk

Title of the project *

Tools and Assessment Development for UG Engineering Labs

Source of funding *

- School funding requested
- You have your own funding (e.g. research grant)

Objective of the project *

The project has two objectives. The first is to make some adjustments to the monitoring tool, Perentie, so support for breakpoints is provided for the Stump processor. The second objective focuses on helping update the lab assessments for COMP12111.

Number of students requested (justify if > 1) *

1

Start date, end date, total duration (weeks) *

11 June, 17 August, 10 weeks
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The benefit to the School *

The project will benefit teaching in the school, through the continued development of tools to support engineering teaching and improved assessments.

The benefit to the student *

The opportunity to work on, and develop tools that will directly support teaching.

Skills needed by the student. *

Good engineering background, preferably a 2nd year student who has taken COMP22111. Python is useful for updating Perentie.

Details of the work that the student would do *

The student will be required to gain familiarity with Perentie, following this they will be required to update Perentie to enable breakpoints to be used when running with the Stump processor (COMP22111). The assessment element will involve looking at putting together question banks to support the labprint questions that students must answer when submitting work for COMP12111. The plan is to move this into Blackboard for the 2018/19 academic year.

Infrastructure requirements and any required staff support other than the project supervisor *

Direct, day-to-day support will be provided by Jeff Pepper, who is in charge of the CAD tools and supports the engineering teaching in the school.

Supervision arrangements throughout the duration of the project (named staff and dates covering the entire duration) *

At least one supervisor will be available daily throughout the duration of the project.
Location of the project work (building/room) *

Tootill 0, Kilburn LF floor.