

Propose a vacation student project for Summer 2020

This call is now closed

The deadline for making your proposal(s) was 18:00 Friday 13 March 2020.

This form is for one project proposal, so to propose multiple projects please submit a separate form for each project. Any queries, do ask - Toby.

Project supervisor email *

s.sampaio@manchester.ac.uk

Title of the project *

Learning about and Experimenting with Distributed System technologies and the Cloud Computing Paradigm

Source of funding *

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

Objective of the project *

To help develop material for the second year level UG course unit, Distributed Computing (COMP28112)

Number of students requested (justify if > 1) *

1

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

From MON 09/06/2020 to FRI 28/08/2020

The benefit to the Department *

To offer to second year students updated material for the Distributed Computing course unit; to offer an undergraduate student the opportunity to learn about and discuss in more depth major design issues in and design alternatives for building distributed systems, the impact of these systems in our society and the relationship between distribute systems technology and modern computing paradigms such as Cloud Computing.

The benefit to the student *

The opportunity to learn about and discuss in more depth major design issues in and design alternatives for building distributed systems, the impact of these systems in our society and the relationship between distribute systems technology and modern computing paradigms such as Cloud Computing.

Skills needed by the student. *

Strong programming skills; significant interest in the topic of distributed applications, technologies supporting these applications, systems design and distributed computing.

Details of the work that the student would do *

To teach him/herself about a number of technologies used to build distributed systems, to design and implement a number of solutions for common distributed system applications, helping with the development/improvement of practical work to be carried out in a lab environment for undergraduate students.

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

Access to the current lab material and all technology used in the current version of the Distributed Computing course unit, COMP28112.

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

Weekly meetings with the project supervisor throughout the duration of the project.

Location of the project work (building/room) NB projects must be on-campus *

The MSc lab rooms (Kilburn 2.25)

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