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 *

simon.harper@manchester.ac.uk

Title of the project *

BeeLife

Source of funding *

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

Objective of the project *

Beelife is a University Research Apiary hosted by the School of Computer Science. Part of its purpose is outreach into Schools and the general public. As part of this continued effort we must mount one externally mounted 360 degree camera - to live stream bees in flight from (and around) the hive entrance. And a Night Vision Infrared camera to record the internal activity of the hive. We will live stream the both camera so that the public and School children can ‘peek’ into the lives of the bees as the days and seasons pass. And we will create the BeeLife website.

Number of students requested (justify if > 1) *

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Start date, end date, total duration (weeks) *
Start and end dates are flexible, total duration 6-7 weeks

The benefit to the School *
Agreed by the School already

The benefit to the student *
Experience in building static website using say Hugo, benefit in linking and hooking up live stream technology, benefit in understanding live big data storage and analysis.

Skills needed by the student. *
Website development, front-end development, networking interest would be useful.

Details of the work that the student would do *
Mount 360 degree camera and infrared camera on a bee hive and live stream these to the full beelife website they will also build.

Infrastructure requirements and any required staff support other than the project supervisor *
BeeLife logo design from Faculty marketing

Supervision arrangements throughout the duration of the project (named staff and dates covering the entire duration) *
Simon Harper
Location of the project work (building/room) *

LF7

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