Merchant Venturers School of Engineering

Outreach Programme

Python Pi Camera: Getting the most of your Raspberry Pi camera module with Python

Preparation Notes for Teachers

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Workshop Summary Notes

- This workshop is intended as a 90 minutes activity

- The workshop is intended for students age ?? .

- The content is intended to be learnt through following a presentation and self-directed individual or pair work, using the worksheet as guide.

- The learning platform is the Raspberry Pi and the Pi Camera module.

- No additional software is required.

- The workshop is intended for students at beginner to intermediate level.

- This document includes some notes about what you need to do to prepare for us to come and run the workshop.

1 Guide

The following notes are guidelines for the things we have thought of or know from experience need to be prepared before we arrive to run the workshop. Please use these notes as an addition to any guidelines and preparation you would normally follow.

Logging on   If you have enough equipment for the whole group, please ensure everyone is logged on before we begin the session. (Still applicable?)

Provision of equipment   If you do not have enough Raspberry Pi or Pi Camera modules for the whole group, please let us know in advance. We may be able to provide hardware, including laptops, in order to run the session. If we provide laptops, we will need to allow at least an additional 15 minutes for handing them out and logging everybody on / getting set up.

Software Installation   No additional software installation is required.

Website Access   Please ensure your IT administrator has unblocked our Github site: https://github.com/MVSE-Outreach/ The easiest way to test this is to get a student (not a teacher) to open the website and attempt to browse it.

Students with special needs   We are happy to accommodate students who have special educational needs or disabilities. If you can, please make us aware of any students in the group who might need extra attention and any additional information that will help us make the workshop as enjoyable and successful as possible for them.

DBS Checks   Your school or organisation may require valid DBS checks (previously called CRB checks) for our volunteers. Please let us know if this is the case so we complete the process. All of our volunteers are current members of the University of Bristol.

Name List and Contact Information   We would very much like to be able to keep in touch with students to encourage them to attend our other free, open outreach events (such as Digimakers). If possible, please supply us with a list of the names of students and

their parent's contact information so that we may follow up with them after the last workshop. We never send spam and we'll only contact parents to let them know about our other outreach events that are available to them.