# The Hong Kong Polytechnic University

## School of Design

## Application for the Use of Associated Money

*(General purchase / publication expenses)*

1. **Particulars of Student**

   Student name: YOUR_NAME

   Student number: ********r

   Mode: Full-time

   Programme: PhD

2. **Proposed Use of Associated Money**

   *Please itemize each budget item with the budget and provide justification for each budget items*

   | Budget Item | Amount (HK$) |
   | --- | --- |
   | **Monitor: AOC** 34P2C * 1 | $3599 + 250(delivery) |

   The payment of proposed item would be arranged to a <u>company</u>.

   **Justification**

   **Brief**: the applicant has owned the latest MacBook Air, and requests to spend the associated money for a monitor instead of buying an all-in-one computer device. As required, the justification for purchasing the proposed item is provided as follows.

## Why buying an external monitor?

**Spend the money wisely:** according to the regulation ([Research Student Book](#), 2021. p. 53 - p.54), the associated money can be used to purchase a <u>desktop/laptop computer</u> together with accessories to drive the computer. However, since the applicant has already owned a highly configured MacBook Air, buying another new All-in-One PC (e.g. Apple 27-inch iMac), only for a larger display, seems unnecessary and illogical. To spend the money wisely, the applicant hereby proposes to buy an external display for his laptop. For buying such a device, as required, requests with strong justification should be submitted for supervisor's and SRC Chair's approvals.

**One for all:** the applicant usually works across various operating systems (i.e., macOS, Windows 10, and Linux) for different OS-specific tasks. Each standalone system would usually need a set keyboard, mouse, and monitor to operate. However, an AIO device would not allow passing through external video signals to its built-in display, or at least is not designed for such purposes.

## Why AOC 34P2C?

Although the school has pre-assigned every researcher an All-in-One (AIO) PC (*HP Compaq Elite 8300*), that PC does not satisfy the researcher's needs in conducting research studies for the following reasons:

**Color accuracy and user experience**: the applicant's work generally involves paper readings, graphic editing, textual and pictorial documentation, etc, which demands a large and color-corrected display. The applicant-owned M1 MacBook Air has a premier built-in display (DCI-P3 100% color space), and to ensure the best viewing experience across the built-in and external displays, the color space of used displays should be matched. The proposed model *AOC 34P2C* employs a DCI-P3 92% screen panel for only HK$3599. What an excellent cost-performance ratio compared to the Dell and HP counterparts! Other models (e.g., the built-in screen on *HP Compaq Elite 8300*) that have significantly lower color space or uncorrected display would result in distinct color differences when viewing or processing graphics from one to another display.

**Workflow efficiency**: the workflow of the applicant usually needs to split the screen into multiple areas for viewing different application windows simultaneously. For example, when implementing proof-of-concept prototypes, the applicant tends to split the display into three areas: one for Terminal shell commands; one for source code editing; and one for preview or debugging. In addition, from the applicant's prior experience in editing a paper along with the peer reviews on two separate full-size A4 windows, a 27-inch 3840*2160@16:9 monitor cannot commodate them comfortably, not to mention the display on HP AIO, which is 1920 by 1080. However, since the 34-inch 3440x1440@21:9 one has an extended area with more resolutions

on its width, more content can be viewed at once, and switching documents from one to another, or zoom-in and zoom-out recursively could be avoided and thus guarantees more efficient workflow. Meanwhile, as mentioned the applicant works across multiple operating systems, AOC 34P2C features a Keyboard-Video-Mouse (KVM) switch, allowing the user to control multiple computers with one single set of keyboard, mouse, and monitor.

Signed by

|                  |                  |
| ---------------- | ---------------- |
| Student          | Date             |

Endorsed by                          Approved by

|                  |                  |
| ---------------- | ---------------- |
| Chief Supervisor | SRC Chair*       |

Name:                                    Name:
Date:                                     Date:

*If the SRC Chair is the Chief Supervisor, the application will be approved by Dean (SD).*

Appendix



Figure 1 Price tag for AOC U34P2C at Capital Computer Center

## Contact

**Capital Computer Center**

- 九龍深水埗福華街 146 號黃金電腦商場地庫 49,51,53,55 號鋪
- tel: (+852)2361-3268
- web: https://www.cap.com.hk

Note: The information provided by you in the form will only be used for processing this application. Please refer to Personal Information Collection Statement (PICS) for students at https://www.polyu.edu.hk/as/PICS.pdf.