UNIVERSITY of WASHINGTON TACOMA

Student Technology Fee Committee (STFC)
Special Allocation Request

Allocation Request Date Information

Date Created: 2024-11-14 15:12:28 Date Due: 2024-11-15 12:00:00 Date Submitted: 2024-11-14 15:29:16

Allocation Request Title/Description

Request Title: Special Allocation - Info TV Raspberry Pi Replacements

Request Description: Our IT colleagues have recently informed us that the older Raspberry Pi units we're using have security risks for the network and displays. Requesting a batch to begin upgrading.

Allocation Request Information

Department Name:	Information Technology	Request Code:	24S0465
Contact Names:	Paul Lovelady	UW Tacoma Affiliation:	Staff
UWT Email Address:	lovelady@uw.edu	Phone Number:	2536925742
Title of Request:	Special Allocation - Rapsberry Pi Replacements	Type of Request:	One Time

Department Head Approval: ✓ Department Head: patrick Pow

Special Request Information

1. Background: Review and discuss the context of the proposed technology in detail. Explain how this proposal will be used in conjunction with an original proposal or existing technology. If applicable, how is the current technology disabled or inadequate?

Our fleet of Raspberry Pis, responsible for driving content to campus displays, is in urgent need of replacement. Many of these devices are running outdated software that can no longer be updated, jeopardizing their ability to communicate reliably with the systems that supply display content and maintain an industry-standard security level. With a sizable portion of these units exceeding several years in service (10+ years in some cases), hardware limitations prevent them from properly rendering content as required if the underlying software were to be modernized. By replacing these aging devices now, especially alongside the planned upgrades for campus displays, we can streamline installation costs and ensure these devices deliver content effectively for years to come. This proactive upgrade will enhance display quality, network security, and compatibility with modern software, providing a long-term solution to our campus communication needs.

These mini-computers are connected to each Info TV and attached in the rear of the unit. The TVs will not display the campus content without them.

We are requesting the purchase of 15 Raspberry Pi 5 CanaKits to replace older Pi. This batch of replacement work will be done soon, at the same time while we are replacing a list of last spring's STFC-approved, Info TVs.
CanaKit Raspberry Pi 5 Essentials Starter Kit with Official White/Red Case (8GB RAM)

https://www.amazon.com/gp/product/B0CVQT2XJ4/ref=ox_sc_act_title_1?smid=A30ZYR2W3VAJ0A&th=1

2. Benefit to Students: Discuss how students have (for returning applicants) or will (for new applicants) benefit from this technology. How will additional funding of the technology benefit students?

These are high-traffic corridors that greet a large portion of students. In addition to sharing event news, student opportunities, and program updates that are submitted by students and various campus units, all campus alert messages take priority on the TVs during emergencies, when urgent information is broadcast on the digital signs.
The current batch of Pis require a good amount of work from the Computer Services team to fix when issues arise. Updating these will ensure that we are future-proofing these displays and content network for years of reliability and any potential system upgrades.

3. Access: Describe who will be using or will have access to the resources being proposed. In addition, all previous requestors, please provide historic data highlighting the usage and accessibility of technology. All new requestors, please provide user need data.

Message submissions for the digital signage TV system are available to all staff and registered students. Student Involvement receives content requests through the DubNet and posts to the campus-wide system. The TVs have been placed in strategic locations for high-traffic hallways and student study areas, to maximize the amount of viewership.

4. Timeline: Provide a timeline showing how the proposed technology can be completed during the requested period. Describe when you would like to see this proposal initiated and completed, and why.

Information Technology plans to purchase these TV as soon as the special allocation budget is released and will image and install them alongside the batch of Info TVs that are about to be replaced.

5. Resources/Budget: Discuss available financial, personnel and space resources devoted to the proposed technology and level of support. Proposal must detail all the items/resources requested to be purchased. This includes filling out the Item Detail in next section.

Information Technology will purchase, install, support and maintain the items requested. Purchases will be made as soon as budget is released. Installation will occur once items arrive to campus. All purchases will be made through Workday.

Funding Request Items

Item	QTY	Cost Per Item	Shipping Fee	Tax Per Item	Subtotal
CanaKit Raspberry Pi 5 Essentials Starter Kit with Official White/Red Case (8GB RAM)	15	$139.99	$0.00	$14.42	$2,316.15
				OVERALL TOTAL:	$2,316.15