UNIVERSITY OF LOUISIANA AT LAFAYETTE

STEP Committee

Technology Fee Application

Auditorium Presenter System Enhancement

Title

Robert Minvielle

Name of Submitter

(Faculty or Staff Only)

School of Computing and Informatics

Organization

Title: Auditorium Presenter System Enhancement   Date: 6/18/2018

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Department/College/Org: School of Computing and Informatics

ABSTRACT (250 words or less):

Oliver Hall has a general purpose auditorium which is used by groups across campus (e.g. math conferences for students, former Governor Blancos presentation, colloquiums, thesis and dissertation defenses, etc). Outside of the auditorium are four TV monitors used for presenting information to students. The monitors are currently not hooked into the auditorium for viewing. It has been noted and suggested by Deans, Presenters (and the former Governor) that using these TVs to present the event in the auditorium would be a good use of the system. Currently, there is no way to capture the event to present on the monitors. This proposal aims to rectify that situation, and to allow students and overflow from the auditorium to see the presentation, as well as record it for future reference and study by the student body.

A) Purpose of grant and impact to student body as a whole

The purpose of this grant is to enhance the capabilities of the general purpose auditorium in Oliver Hall for use by students, conferences, colloquiums and others across campus and beyond (for example, Mathematics conferences and former Governor Blancos presentation). Currently, the auditorium houses a ULL smart podium projector and white boards. Outside of the auditorium is a large gathering space in Oliver Hall, which has four monitors. This proposal would install a camera in the auditorium directed at the front to capture the presenter and the presenters materials. The video output from this camera would be both captured for future use and review, and also routed to the front monitors so that students and participants in the gathering space can watch the presentation. The presenters slides would also be routed to one of the monitors, if they are using slides. Audio is also available, but not currently setup.

The purpose of routing the video and audio is multifaceted. Recording it allows individuals not present to review and study the presentation later (for example, conferences, guest speakers, colloquiums, review boards and panels, etc). Building the capability of routing the audio and video allows the school to perform live presentations to be streamed online. Additionally, given the ability to route the video to the monitors in the gathering space outside the auditorium allows us to increase the capacity and reach of presentations in the auditorium.

Since organizations from across campus use the auditorium for conferences, colloquiums, student organizations (for example, IEEE, ACM, SPS, etc) and outside entities (for example, former Governor Blanco presentation) this will enhance the student bodies ability to live stream and later review presentations that occur in the Oliver Auditorium that they would otherwise not witness.

This also opens a new opportunity for students to review their own presentations. For example, graduate student presentations of their own work, prospectus and dissertation defenses can be recorded and reviewed for improvement of the students presentation skills. This can also be used as a review in preparation for job interviews.

B) Projected lifetime of enhancement

A permanent camera installation is generally good for five to ten years. The existing monitors in Oliver were installed eleven years ago, and will be upgraded this fiscal year. Given that, we project the camera system to have an estimated lifetime near the ten year mark.

C) Person(s) responsible for
   i. **Implementation** – Robert Minvielle
   ii. **Installation** – Robert Minvielle and Troy Leger
   iii. **Maintenance** – Troy Leger
   iv. **Operation** – Staff, Faculty, Students
   v. **Training** (with qualifications) – Staff, Faculty and students

Budget Proposal

1.   **Equipment**   **$1502.99**

Cost breakdown: Marshall electronics CV505-M camera $499, Shure MX202WPC microphone (two at $196 each), ART dual mic preamp $79, Power supplies $19, SDI to HDMI converter $185, HDMI autosplitter $39.99, SDI cables $118, HDMI cables $79, Mobotix ceiling camera mount $68

2.   **Software**   **$0**

3.   **Supplies**   **$0**

4.   **Maintenance**   **$0**

5.   **Personnel**   **$0**

6.   **Other**   **$0**

TOTAL: **$1502.99**