

UNIVERSITY OF LOUISIANA AT LAFAYETTE

STEP Committee

Technology Fee Application

**FGM 102 and FGM 214 Interactive Classroom
Enhancement**

Title

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Mohammed Zubair, Graduate Assistant**

Name of Submitter

**College of Business Administration (MCOBA)
Information Systems & Multimedia Laboratories (ISM)**

Organization

Title: **FGM 102 and FGM 214 Interactive Classroom Enhancement** Date: June 23, 2017

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Information Systems & Multimedia Laboratories (ISM)

ABSTRACT (250 words or less):

The purpose of this grant is to equip FG Mouton 102 and FG Mouton 214 with the technology necessary to enhance the classroom experience. FGM 102 currently has no technology and FGM 214 has an outdated, unreliable projector and computer and lacks a document camera. The Moody College of Business Administration's Office of Information Systems & Multimedia Laboratories (ISM) would like to upgrade these rooms with the basic technological improvements, including a computer, a ceiling-mounted projector, an electric projector screen, and a SMART podium, so that the rooms can be used to their fullest potential. These upgrades would have a major impact on the classroom experience of about 1,500 students of several different colleges every year, just in these two classrooms. The funding of this grant would also be in line with the University of Louisiana's vision of making every classroom on campus a SMART classroom. If this grant is funded, FGM 102 and 214 will meet the technological standards of the College of Business and will continue to serve the needs of students by allowing the College of Business take advantage of two state of the art facilities.

Impact on Students

The need for technology in classrooms has increased over the years as instructors seek to engage students and provide a learning experience that will make them stand out after graduation.

This generation of students has been brought up using technology and it has become a necessity when trying to engage them in a classroom setting. This classroom is currently not being used to its full capacity, because it lacks the necessary equipment to teach. Technology in the classroom makes it possible for students to collaborate with one another and with their professors. It also helps the instructor improve the teaching process.

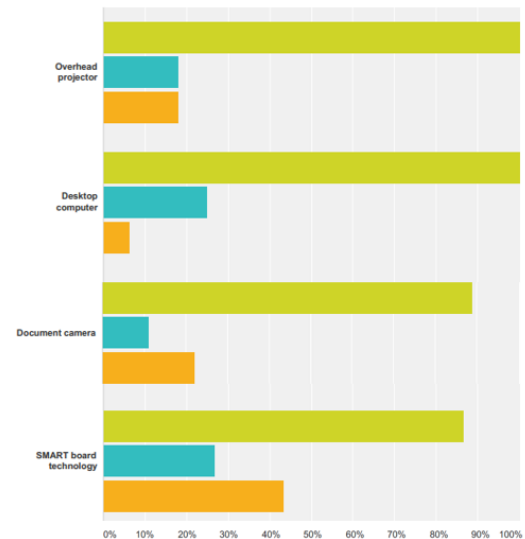
In 2016, ISM conducted a survey of technology needs in the classroom and results show just how necessary a computer, overhead projector, and document camera are to the instructors. They have seen the difference in student engagement and success when the necessary technology is present. The requested technology would allow instructors to display graphs, PowerPoint slides, videos, and simulations. Some disciplines, such as accounting, also have a need for a document camera so that instructors can walk their students through the case scenarios that they are teaching. This technology is also highly important for students with a visual learning style. There is currently a limitation on which classrooms can be used to teach certain

classes because they lack certain vital components for effective instruction. According to a survey given out by MCOBA ISM in 2016, 88% of faculty members utilize document cameras for effective teaching, especially when they work complex problems for the students to practice. However, only 37% of classrooms in FG Mouton have document cameras. We know that if instructors are able to be more effective in their teaching by utilizing technology, then the students will be more engaged and will be more likely to actively participate in the class.

Each of these classrooms accommodates up to 40 students. During the fall semester, there are 10 lectures that are held in FGM 102 per week and 8 lectures in FGM 214 per week. During the spring

Q7 Which of the following WOULD YOU UTILIZE in your teaching, if made available?
NOTE: if you indicated in the previous question you are currently using one of these, it is not necessary to check the same item again. The purpose of this question is to determine needs that are NOT currently being met.

Answers: 39 Skipped: 29



semester, there are 11 lectures per week and 8 lectures in FGM 214. This grant would help 1,480 students each year. Instructors from several different disciplines teach in FGM classrooms so this upgrade would affect a wide range of students, not just business students. Some of the other classes taught in FGM include math, counseling, communication, educational foundations and leadership, political science, psychology, and physics.

While the requested equipment is the standard setup for a SMART classroom, this upgrade will have a large impact on the classroom experience and engagement of students. If this grant is funded, it will enhance the College of Business and the University as whole by improving the learning experience of students. It will also have an impact on incoming freshmen's initial perception of our campus. The funding of this grant would put us one step closer to fulfilling the University of Louisiana's vision of making every classroom on campus a SMART classroom.

MCOBA ISM currently maintains over 100 faculty and staff PCs, 8 classrooms in Moody Hall and 13 classrooms in FG Mouton that are enhanced with SMART technology so the department is very familiar with the capabilities of the equipment requested. MCOBA ISM is prepared to handle the additions that this grant will provide and will immediately troubleshoot any problems that may occur.



FGM 102: A classroom with no technology



FGM 214: Students need a better projector and document camera

Projected Lifetime of Enhancement

This equipment is expected to have a five-year life span.

The person(s) responsible for implementation and oversight of this project is Mrs. Nadine B. Prendergast, MCOBA ISM Manager. Specific responsibilities include:

a. Implementation

MCOBA ISM

b. Installation

A state contractor for SMART technology installation, assisted by MCOBA ISM will install the projector, screen, podium and its components. MCOBA ISM will install the PC.

c. Maintenance

MCOBA ISM

d. Operation

MCOBA ISM

e. Training (with qualifications)

MCOBA ISM will train faculty and staff assigned to the room.

Budget Proposal

| Qty. | Part # | Manufacturer | Description | Price Each | Extension |
|------|-----------------------|-----------------|---|----------------------|--------------------|
| 2 | UL Lafayette PC Depot | Dell | Optiplex 3040 | \$940.00 | \$1,880.00 |
| 2 | PT-RW330U | Panasonic | 3500 Lumen Lampless Projector | \$2,609.33 | \$5,218.66 |
| 2 | 20877LS | Da-Lite | 65" x 104" 16:10 Projection Screen | \$1,122.40 | \$2,244.80 |
| 2 | 6068719 | Ergotron | LX Desk Mount | \$288.00 | \$576.00 |
| 2 | 26-616-01 | Extron | HDMI to DVI Adapter | \$26.67 | \$53.34 |
| 2 | 70-1045-02 | Extron | Cable Cubby 500 | \$200.00 | \$400.00 |
| 2 | 60-1384-01 | Extron | Cable Cubby 500 Power | \$260.00 | \$520.00 |
| 2 | 60-1238-02 | Extron | IN1608 Switcher w/Stereo Amp | \$2,660.00 | \$5,320.00 |
| 2 | 60-1271-13 | Extron | DTP Receiver (HDMI) | \$313.33 | \$626.66 |
| 2 | 60-600-02 | Extron | MLC226IP Controller | \$1,020.00 | \$2,040.00 |
| 4 | 26-663-12 | Extron | 12' HDMI Ultra Series Cable | \$60.00 | \$240.00 |
| 2 | 26-667-03 | Extron | 3' HDMI Micro Series Cable | \$33.33 | \$66.66 |
| 2 | 26-566-03 | Extron | 12' Micro VGA w/Audio Cable | \$44.00 | \$88.00 |
| 2 | 60-1308-02 | Extron | Wall-Mount Stereo Speakers | \$266.67 | \$533.34 |
| 2 | BMS FMJ mid Tower | BMS | PC FMJ Tower | \$158.75 | \$317.50 |
| 2 | BMSAV/TL-1214/BD | BMS | Document Camera Security Lock | \$68.68 | \$137.36 |
| 2 | LCD LOC II | BMS | Universal Security Projector Mount | \$187.81 | \$375.62 |
| 2 | Custom32 | Mulnix | 32" Multimedia Podium w/2 Flip-up Shelves | \$3,600.00 | \$7,200.00 |
| 2 | P30 | ELMO | Digital Document Camera | \$2,520.57 | \$5,041.14 |
| 2 | CMS006 | Chief | 6" Extension Pole | \$14.08 | \$28.16 |
| 2 | CMA440 | Chief | Drop-Ceiling Projector Mount | \$103.20 | \$206.40 |
| 2 | LBP-1R | Middle Atlantic | Lacer Bars | \$47.33 | \$94.66 |
| 2 | SSDR-8 | Middle Atlantic | 8 Space Security Door | \$94.67 | \$189.34 |
| 2 | TD2LK | Middle Atlantic | 2 Space Locking Drawer | \$163.33 | \$326.66 |
| 2 | PD-915R | Middle Atlantic | 9 Outlet Rack-Mount Power Bar | \$95.33 | \$190.66 |
| 4 | VT1 | Middle Atlantic | 1 Space Vented Rack Blank | \$12.15 | \$48.60 |
| 4 | VT2 | Middle Atlantic | 2 Space Vented Rack Blank | \$14.67 | \$58.68 |
| 4 | TW12 | Middle Atlantic | Cable Mangement Straps | \$11.97 | \$47.88 |
| 2 | TEG-S50g/A | Trendnet | 5 Port Higiabit GREENnet Switch | \$25.33 | \$50.66 |
| | | | | Parts | \$34,120.78 |
| | | | | Labor | \$9,520.00 |
| | | | | Project Total | \$43,640.78 |

Timeline/Implementation Schedule

Spring 2018 – Place order for project

Summer 2018 – Installation

Fall 2018 – Implementation

Previously Funded STEP Projects

Expansion of Digital Signage. Fall 2015. \$9,149.46. Nadine Bayard.

FGM 207 Interactive Classroom Enhancement. Fall 2016. Nadine Prendergast.

Financial Services & Business Research Lab. Fall 2016. Nadine Prendergast.