

UW System FY16 Innovation Program Project Report

- Due on 12/23/2015
- Email completed report to Sasi Pillay, CIO, UW System: spillay@uwsa.edu (cc: dtrendt@uwsa.edu)
- Please Note: All reports will be posted on the Innovation Program Project Reports web page.

(*Not to exceed two pages)

Project Name: Increasing Student Engagement Inside and Outside the Classroom with Classroom Response System		
Report Preparer: Angie Stombaugh, Matt Evans, Cindy Albert		
Date: December 23, 2015	Report Interval: 60 90 120-Final	
<p>1. Briefly recap project objectives. Have implementation tasks to date caused any meaningful adjustments to the project's original objectives?</p> <p>The project objectives at 90 days were <i>to describe and compare student satisfactions with REEF polling at 90 days and describe faculty satisfaction with REEF polling at 90 days</i>. Students completed a 9-item online survey. Instructors completed a 16-item online survey. Fourteen instructors completed the survey. Significant findings included:</p> <ul style="list-style-type: none"> • 11 instructors reported being satisfied with REEF • All instructors indicated that they will use the REEF option again when they teach their course • 70% of the faculty involved ask 5 or more questions a day • Only 10% of the faculty understood the review features enough to encourage their usage • Outside of the registration process and troubleshooting the instructors were satisfied/very satisfied with the logistics and process of using REEF • In spite of a difficult roll-out 100% of the instructors had a positive opinion of REEF, with almost have being more skeptical at the beginning of the project • On a 7 point scale the overall satisfaction of the faculty was 5.7 • All 14 instructors would use the REEF system again • Students commented that the review features available in REEF should have a better introduction at the beginning of the course to allow better usage throughout the semester • Students reported that the used the REEF review feature before exams (43%), and an additional 10% using it more often. 35% never went back and 12% indicated that it was not available. • 71% of the students believe that using REEF helps them learn • 45% were opposed to purchasing the \$54 i>clicker and 38% were opposed to purchasing the \$10 app. This indicates that it is less a function of cost, but more about not wanting to buy classroom aids. 		
<p>2. <i>What is the status of in-progress project tasks?</i></p> <p>All in-progress project tasks are on time. We have completed both faculty and student surveys, included here, and are now moving to the data analysis portion comparing grades and login data in January.</p>		
<p>3. <i>Compare the current status of the project with regard to scope, schedule and cost with the original submission. Please also describe the cause for any significant variance from the original plan.</i></p>		
	Original Proposal	Actual Status
Scope	<p>10 instructors; 1000 students</p> <p>Faculty development provided and data collection of:</p> <ul style="list-style-type: none"> • Relationship between participation in class and test grades measured at the end of the semester (increase participation leads to better test grades) • Relationship between review of class 	<p>15 instructors; 1500 students</p> <ul style="list-style-type: none"> • First student survey data collected. • Most of the effort for the project went into implementation of the software instead of

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	<p>questions and test grades (more questions reviewed leads to better test grades)</p> <ul style="list-style-type: none"> • Student satisfaction with REEF polling and teaching approach <p>Faculty satisfaction with REEF polling and student engagement</p>	<p>best-practices.</p> <ul style="list-style-type: none"> • Software rollout support provided but is currently being revised based on feedback and needs from faculty and students.
Schedule	<ul style="list-style-type: none"> •Week of December 14th- Request and receive data from i>clicker company related to logins and participation •Beginning of January- Data analysis of grades and participation •January 18- Final project report and presentation. •Early 2016- Dissemination of the project findings through OLITS Council. 	<p>Requested data from company is anticipated to be a little later at this time.</p>
Cost	<p>Faculty Leader Stipend- \$3,500 REEF Polling- \$10,000 Faculty Stipend Training- \$2,000</p>	<p>Paid to date REEF Polling- \$7,500 Faculty recruited 15 instead of 10- \$3000 Faculty Leader -\$3500</p>

4. Risk Assessment

- a. Describe any significant new or anticipated risks to the project's successful outcome with regard to scope, schedule or cost.

The only anticipated risks is to the scope related to two objectives in the project.

- To evaluate the relationship between participation in class via REEF polling and test grades we will compare individual class attendance and logins outside of class with overall course grades. This data will be gathered from instructor files. We will also be looking at students' use of the review function of REEF polling and this data will come from the vendor.
- To evaluate the differences in satisfaction between i>clickers and REEF. Because of the late nature of getting this project funded, many students had purchased i-clickers for the course and are using the REEF software with the i-clicker. We have a small number of students that are strictly using REEF through a mobile device which may make the two groups difficult to compare. 26% used mobile only, 68% used clickers only, and only 7% used both. When asked about what they would like to use in class the results shifted with 31% indicating a preference for mobile, 60% would prefer a clicker, and 9% would prefer no polling at all. This may be skewed by the fact that many students already own a clicker.

- b. Describe the mitigation strategies to address these new or anticipated risks.

- We will use the data from the vendor to provide data about percentages of users that logged into the site to review questions compared to the percentage using only mobile to see if the added features available to all users were utilized.