

## UW System FY16 Innovation Program Project Report

- Due on 11/23/2015
- Email completed report to Sasi Pillay, CIO, UW System: [spillay@uwsa.edu](mailto:spillay@uwsa.edu) (cc: [dtrendt@uwsa.edu](mailto: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: November 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 objective at 60 days was <i>to describe and compare student satisfactions with REEF polling at 60 days</i>. This was completed on time through a 13-item online survey. Of the 1500 students that were provided REEF licenses, 456 students completed the survey. Significant findings included:</p> <ul style="list-style-type: none"> <li>• 60% agree or strongly agree that they enjoy using REEF polling in class with 9.5% disagreeing with this statement</li> <li>• 23.4% would be fine with purchasing REEF for \$10 a semester with a similar number, 25.8% being fine with purchasing a clicker. Only 7.6% think polling is being used too much in class.</li> <li>• 53% of respondents who are using REEF have not reviewed the questions outside of class.</li> <li>• Students generally agree that polling helps them learn (64.3% positive 9.3% negative)</li> <li>•</li> </ul> <p>One of the features of REEF is the ability to review answers from lectures at a later time. Just under half of the respondents used this option, with 81.7% using it to review for exams. More faculty development is needed to help interweave the purpose of REEF in the classroom and to purposefully remind students about the functionality of REEF. This can be accomplished by more institutional support during the course set-up by faculty and students</p>		
<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 rolled out the software, completed the first round of data gathering from the students with the second round and generated the questions for the faculty portion of our feedback.</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"> <li>• Relationship between participation in class and test grades measured at the end of the semester (increase participation leads to better test grades)</li> <li>• Relationship between review of class questions and test grades (more questions reviewed leads to better test grades)</li> <li>• Student satisfaction with REEF polling and teaching approach</li> </ul> <p>Faculty satisfaction with REEF polling and student engagement</p>	<p>15 instructors; 1500 students</p> <ul style="list-style-type: none"> <li>• First student survey data collected.</li> <li>• Most of the effort for the project went into implementation of the software instead of best-practices.</li> <li>• Software rollout support provided but is currently being revised based on feedback and needs from faculty and</li> </ul>

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		students.
Schedule	<p>November 23-December 3- Distribution of second student survey and faculty survey</p> <p>December 9- Project Report #2 due- focus on student and faculty survey results</p> <p>Week of December 14<sup>th</sup>- Request and receive data from i&gt;clicker company related to logins and participation</p> <p>Beginning of January- Data analysis of grades and participation</p> <p>January 18- Final project report and presentation.</p> <p>Early 2016- Dissemination of the project findings through OLITS Council.</p>	On time for all tasks. The only changes to schedule are the dates of the project reports as change by system since the delay of funding of the projects.
Cost	<p>Faculty Leader Stipend- \$3,500</p> <p>REEF Polling- \$10,000</p> <p>Faculty Stipend Training- \$2,000</p>	<p>Paid to date</p> <p>REEF Polling- \$7,500</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 with overall test 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.

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

The second objective regarding satisfaction we are evaluating the data from the first survey to fully understand the reasoning behind the results in order to further investigate the details of their usage and satisfaction. Even if the students are using both options, clickers and mobile devices, we are hopeful to ask questions that will allow us to get some comparison data.