Appendix J

Master’s Degree Program
2012 – 2013 Annual Report
Program Outcomes

The average scores of the different program outcomes are given below:

<table>
<thead>
<tr>
<th>Program Outcome</th>
<th>Average Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>PO1</td>
<td>3.31</td>
</tr>
<tr>
<td>PO2</td>
<td>4.11</td>
</tr>
<tr>
<td>PO3</td>
<td>3.36</td>
</tr>
<tr>
<td>PO4</td>
<td>4.92</td>
</tr>
<tr>
<td>PO5</td>
<td>4.17</td>
</tr>
</tbody>
</table>

PO1: Prepare bids and estimates for construction project
PO2: Prepare construction schedule and manage project risks
PO3: Carry out project management related tasks
PO4: Conduct research and disseminate findings through publications
PO5: Pursue advanced degree programs

The targets were met for PO2, PO4 and PO5. The average score for PO1 and PO3 are 3.31 and 3.36 respectively. These scores are below the target level (3.5). These results were discussed with the faculty teaching CM6200 and CM 6600 courses. Faculty agreed to monitor the performance of the students to identify any problems associated with achieving the outcome. Faculty also suggested the following actions to be included in the next offering of the courses:

- Future Plan is to provide student with a Quantity Surveying Refresher as well as a Lecture on Basic scheduling (CM6200).
- Insert an additional instructional learning unit into the syllabus for further development and improvement (CM6600).
Teaching Activities

The CM faculty teaching graduate courses continues to receive very positive teaching effectiveness evaluations from their students. Thirteen graduate level courses were offered as electives and most of these elective courses were rated as beneficial by the students.

Research and Scholarly Activities

Faculty teaching graduate courses published 3 journal and 6 peer reviewed conference papers. Within CM6000 Information Methods course all the students did conduct a formal research project and presented their research as per the course guidelines. Two of them were joint authors for journal papers and four were joint authors for peer-reviewed papers that were published. The list of published papers is given below.

Journal Publications:


Peer-Reviewed Papers:


Grant Proposals:

Faculty continued to write grant proposals and was successful in obtaining two grants. Two more grants were in the process of approval.
<table>
<thead>
<tr>
<th>Dates</th>
<th>Description</th>
<th>Sponsor</th>
<th>Amount ($)</th>
<th>Major Investigator</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 2012</td>
<td>Leadership Academy</td>
<td>Georgia Department of Transportation</td>
<td>$283,000</td>
<td>Gouranga Banik/ Pavan Meadati</td>
</tr>
<tr>
<td>May 2013</td>
<td>Direct cost</td>
<td>Georgia Department of Transportation</td>
<td>$75,000</td>
<td>Khalid Siddiqi</td>
</tr>
<tr>
<td>June 2013*</td>
<td>Indus Valley School of Art and Architecture in Karachi, Pakistan Center for Geographic Information Systems (GIS) at Kabul Polytechnic University (KPU), Afghanistan</td>
<td>U.S. State Department</td>
<td>$1 million</td>
<td>Abaza Hussein</td>
</tr>
<tr>
<td>July 2013*</td>
<td></td>
<td>U.S. State Department</td>
<td>$1 million</td>
<td>Abaza Hussein</td>
</tr>
</tbody>
</table>

* were approved and commence from January 2014.

**Service Activities**

Faculty continued their service to the profession and community by involving in ACCE accreditation visit, serving as reviewers for journal and peer-reviewed conference papers, and serving as judges in various state wide competitions.

- ACCE accreditation visit (Khalid Siddiqi).
- Journal and Peer-reviewed conference papers (Khalid Siddiqi, Pavan Meadati, Abaza Hussein).
- Build Georgia Awards by AGC (Khalid Siddiqi).
- Associated Builders and Contractors (Khalid Siddiqi).
- Architecture, Construction and Engineering (ACE) Mentoring Program (Khalid Siddiqi).
- Future City Competition (Pavan Meadati, Abaza Hussein, Zuhair Itr).
- Science Olympiad (Pavan Meadati).
**Graduate Students Contribution**

- Graduate students (Stacey Flint, Tony Maimo, Herve Yondo) participated in Integrated Project Delivery Competition, Nevada.
- During 2012-2013 KSU CM Students partnered with House Proud to give back over 600 Man-Hour to the community with monthly service projects. One of the graduate students (Joe Rounseville) took active participation in these service projects.

**Students Feedback:**

The most important skill sets to future graduates are Communication Skills, Computer based project management applications Skills, Building Information Modeling (BIM), Computer based estimating Skills, Computer based scheduling Skills, Financial Planning Skills, Leadership/Management Skills, and Risk Management Skills.

“Would like for instructors to put more time into clearly delineating tasks assignments and having such things set up in advance so it’s easier for a student to work ahead on assignments, and there is no confusion on what the final work product is to be. This is not difficult with a system like D2L. In some cases instructors need to provide more timely feedback on grades and offer more grades/assignments earlier in the class schedule. Fix the issues with the computer security interfering with necessary software requirements. On a positive note: The use of working professionals, such as lawyers to teach dispute resolution or contract law is extremely helpful as students learn from real life case examples as much as anything.” (Spring 2013 Graduate Student Exit Survey Question-13)

**Action Plan:**

- Since the electives offered by the CM Department focus the above identified skills set, department continues to offer 2012-2013 electives. In addition the Alumni Employer & Alumni survey results have identified a few desirable skills for future (see page 17 Appendix O for Employer and Page 17 of Appendix Q). These additional skills will be incorporated in existing or new graduate courses to meet the dynamic requirements of the CM profession.
- Encourage the students to involve in the research activities, competition teams and service activities.
- Faculty will be requested to include greater details on submission requirements for assignments in the course syllabus.
- Faculty will be informed to give timely feedback on grades/assignments.
- IT help desk support will be requested to fix the problem before the beginning of the semester.
- Faculty will be encouraged to continue to engage in Research and Service activities.