Software to Support ABET Criteria 3
Jan. 24 (Friday) 11:00-11:50am
Main 209

Attendees:
      Justin Bak, Business Analyst, JBak@mtech.edu
      Kaleb Bausch, Business Analyst, KBausch@mtech.edu
      Diedrich Brush, Business Analyst, DBrush1@mtech.edu
      Carson Fiechtner, Business Analyst, CFiechtner@mtech.edu
      Lorri Birkenbuel, Safety, Health & Industrial Hygiene, LBirkenbuel@mtech.edu,
      Phil Curtis, Science Mine, PCurtis@mtech.edu
      Marcus Frisbee, Business Analyst, MFrisbee@mtech.edu
      Jacob Vesco, Business Analyst, JVesco1@mtech.edu
      Scott Rosenthal, Mining Engineering, SRosenthal@mtech.edu
      Celia Schahczenski, Manager, CSchahcenski@mtech.edu
      Sue Schrader, Petroleum, SSchrader@mtech.edu
      Glen Shaw, Geological Engineering, GShaw@mtech.edu
      Larry Smith, Geological Engineering, LSmith@mtech.edu

11:00	Introductions and overview of meetings	Celia Schahczenski

- Software Requirements & Specification, ESOF 328
- Requirements and their importance
- Requests

Clients said that they don't mind being recorded.

11:10	Current System, AbOut	Celia Schahczenski

- Only addresses criterion 3 – student outcomes
- Initial set-up and semester set-up
- Faculty input
- Reports

Several clients mentioned using "performance indicators" (PIs). At least one client said that engineering departments are supposed to try to move to EE's method of assessment, which uses PIs.

Typically, there are 2-3 PIs per outcome and 3-4 "measures" per PI. It was speculated that AbOut "assessments" are what clients call "measures". Thus, whereas AbOut maps outcomes to measures (via courses and offerings of courses), clients map outcomes to PIs to measures.

AbOut uses student scores on measures. The clients seemed not to use individual scores. At least one of the clients was worried about tracking data by specific users.

Clients seemed to use rubric values for scoring PIs and measures. In at least one case the faculty member covering the measure looks at

student scores and uses a rubric for summarizing. At least one of the clients was interested in translating percentage values to something like "great", "good", "bad", etc.

PIs differ from one department to the next, but are standardized within the department.

How to measure the PI typically changes from year to year.

Clients had lots of other questions that needed to be cut short so that we could get to the rest of the agenda.

11:20	Business Objectives	Justin Bak

Clients suggested:
- Save time (the system should be a faster more efficient process than what clients are current doing)
- Helpful format of data reports (the output reports should be readable and consistent, however, different terms can be allowed)
- Easy data entry (this system should be preferable to
- Paper; easy data entry would be part of this)
- Flexibility and being able to document
- Produce reports that show we meet ABET criteria

One client mentioned "Something that feeds into a spreadsheet so the data can be compiled." Another mentioned the system helping with continuous improvement. One client recommended organizing data so that a user from one department doesn't see data from another department.

11:35	Vison and Name	Kaleb Bausch

The format suggested in the text was used to help develop a vision statement:
For faculty in the School of Mines and Engineering
Who need to assess student outcomes for ABET and Northwest accreditation
The ATTO (Assessment Tracking Tool for Outcomes) or StOut (Student Outcomes)
Is a software tool
That captures, tracks and compiles information related to student outcomes and reports it in a meaningful format for continuous improvement of programs
Unlike AbOut that does this but only for the Computer Science and Software Engineering program
Our product does it for everyone.

Mention was made that non-engineering faculty might need something like this. Some expressed that we want to focus on engineering for now.

11:50   Next Meeting – scope, environment, users, features – Feb. 7   Celia Schahczenski

It would be helpful to have a definition of performance indicator and to see how performance indicators are being used.