AOL Report Management Engineering Program Assesement Closing the Loop for 2016 & 2017

- Overall Summary

Overall, KAIST management engineering program successfully achieved each learning goal given that an overall score for each learning goal exceeds 2.6 out of 3.

However, some of the learning goals have shown slight decrease in their degree of achievement. In particular, the average score for 'delivering an effective oral presentation on a research topic' dropped 0.15 point recently. Although it is still a high score, Reinforcing courses on oral speech skill would be very helpful to our students.

Our graduates have achieved high score in 'Basic quantitative skills'. This can be due to most of our students have backgrounds of natural sciences or engineering. In addition, academic programs highly focus on mathematics stimulate the students to think more quantitatively.

In contrast, our graduated achieved relatively low in learning goal L4. Even though the score incensement 0.35 is quite impressive, still it is the lowest score among all survey criteria. Less than 70% of the students exceed expectations in team building. Requiring students to take more courses which has team project could help enhance the students' team ability.

- Assessment

Learning Goal	Learning Objectives	Course	Performance				Result
			Level (%)			Date	
			3point	2point	1point	Measured	
(L1) Research Qualification Our graduates will have skills (or ability) to conduct quality research	(L11) Graduate will have basic quantitative skills for research	Qualification Exam	73.3%	26.7%	0.0%	2016Fall	Our graduates show great improvement in research qualification. They have both basic quantitative skills and understanding research theory. Additional courses on rigorous mathematics are unnecessarily.
			84.0%	16.0%	0.0%	2017Fall	
	(L12) Graduate will have basic theory, analytical research tools, and background about their research area	Qualification Exam	80.6%	19.4%	0.0%	2016Fall	
			90.0%	10.0%	0.0%	2017Fall	

Learning Goal	Learning Objectives	Course	Performance				Result
			Level (%)			Date	
			3point	2point	1point	Measured	
(L2) Professional Communication Our graduates will be effective professional communicators	(L21) Our student will create well-written professional papers on a research topic	Defense of Dissertation	70.8%	29.2%	0.0%	2016Fall	Out graduates' skill to deliver an effective oral presentation has significantly dropped. Encouraging students to learn presentation skills and increasing the proportion of classes with presentation assignment would help achieving the learning goal.
			82.3%	17.7%	0.0%	2017Fall	
	(L22) Our students will deliver an effective oral presentation on a research topic	Defense of Dissertation	85.0%	15.0%	0.0%	2016Fall	
			71.4%	27.2%	1.3%	2017Fall	

Learning Goal	Learning Objectives	Course	Performance				Result
			Level (%)			Date	
			3point	2point	1point	Measured	
(L3) Analytical and Creative Thinking Our graduates will be capable researchers	(L31) Our student will identify and diagnose management/research problems	Defense of Dissertation	84.3%	15.7%	0.0%	2016Fall	Out graduates' ability to identify research problems has significantly dropped recently. More emphasis on literature review and understanding of concurrent issue in management will be helpful.
			78.6%	21.4%	0.0%	2017Fall	
	(L32) Our students will engage in management research and present the findings of such research effectively	Defense of Dissertation	76.5%	23.5%	0.0%	2016Fall	
			80.6%	19.4%	0.0%	2017Fall	

Learning Goal	Learning Objectives	Course	Performance				Result
			Level (%)			Date	
			3point	2point	1point	Measured	
(L4) Academic Teamwork Our graduates will use team building successfully	(L41) Our students will know how to build a academic team successfully	BA 571 Mathematical Programming & BA 552 Quantitative Models for Marketing Decisions	35.7%	57.1%	7.1%	2016Fall	Out graduates' skill to team building shows significant enhancement recently. Although different survey target courses can cause positive bias, it is enough to interpret as an improvement.
		BA 561 IT Management & BA 554 Marketing Channels Management	64.3%	35.7%	0.0%	2017Fall	