

ALUMNI SURVEY TRACER STUDY
AY2016-2017

AMA International University-Bahrain (AMAIUB) periodically conducts tracer studies on its alumni to specifically monitor the link of the program with the employment of its graduates and eventually better improve its curricular offerings, systems and procedures to enable the graduates to be competitive and responsive to the needs of the labor environment.

This alumni tracer study generally aims to determine the attainment of the Program Educational Objectives (PEOs). It also intends to identify the alumni employment destination, status, and their distribution by industry sector and the assessment of Programme Intended Learning Outcomes (PILOs). Hence, this report summarizes the results of the tracer study of the graduates in the College of Engineering (COE), the Bachelor of Science in Mechatronics Engineering (BSME) and the Bachelor of Science in Informatics Engineering (BSIE).

Results of this survey will serve as a basis for improving the quality of teaching and learning thus identifying the key result areas for improvement. Hence ensures that the curriculum is in harmony with the need of the various manpower industries.

The alumni survey was administered online by the Placement, Linkages and Alumni Office (PLAO) during the 3rd Trimester of the Academic Year (AY) 2016-2017 among the 49 respondent-alumni, 24 for the BSME and 25 for the BSIE of the AY2014-2015 Batch. The evaluation of the PEOs/PILOs was rated by the alumni using range of ratings with descriptive interpretation.

| Range of Ratings | Descriptive Interpretation |
|-------------------------|-----------------------------------|
| 4.51- 5.00 | Strongly Agree |
| 3.51- 4.50 | Agree |
| 2.51- 3.50 | Agree to some extent |
| 1.51- 2.50 | Disagree |
| 1.00 - 1.50 | Strongly Disagree |

The mean rating of 3.51 to 5.00 indicates that the PEOs/PILOs were attained therefore AMAIUB graduates of the engineering programmes were able to practice as successful mechatronics or informatics engineers for the advancement of society (PEO1) and promote professionalism in mechatronics or informatics engineering practice (PEO 2).

The results of the BSME and BSIE alumni tracer study for the Academic Year (AY) 2016-2017 depict the following:

On Engineering Alumni Destination

(a) Employment Status and Distribution by Sector

The 2014-2015 Batch of engineering alumni were mostly employed, 96% of the BSIE with

71% of them in government and 29% in private firms; 100% of the BSME were also employed with 71% in private while 29% in government sector (Figure 1).

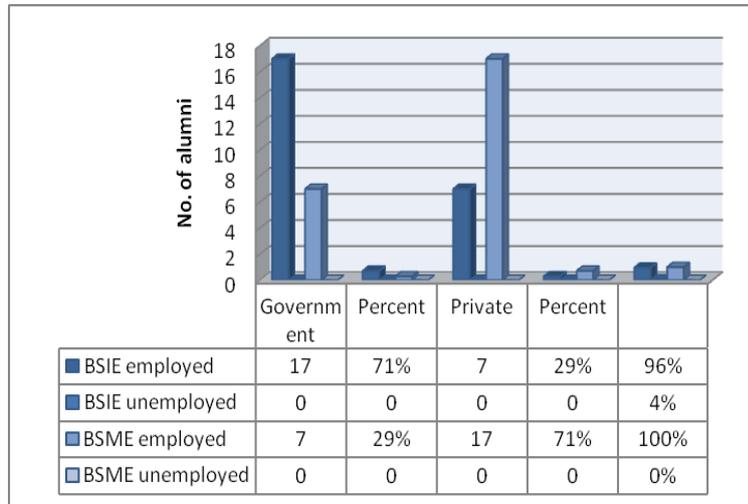


Figure 1. Engineering Alumni Employment Status

(b) Engineering graduates in various industry sector

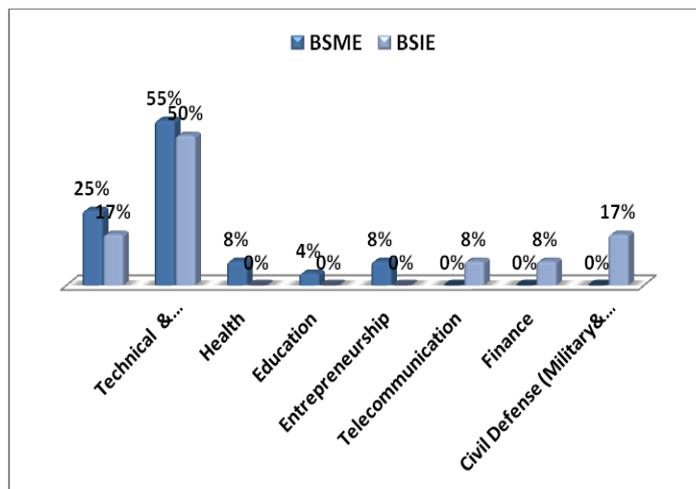


Figure 2. Distribution of engineering alumni by industry sector

Most of the engineering alumni were in the technical and manufacturing industries with 50% of the BSIE while 55% of the BSME employed graduates (Figure 2).

Results further show that there is greater opportunity for the engineering graduates to be employed in various fields in line with the college/university-derived knowledge and skills and work-based learning (WBL) experiences.

On the Assessment of Engineering Programmes' Educational Objectives (PEOs)

The program educational objectives are broad statements that describe the attainment of the expectations from the graduates of the BSME and BSIE programmes.

(a) PEO1. To enable our graduates to practice a successful mechatronics and informatics engineering professionals for the advancement of society

Considering the various indicators, BSME alumni rating incurred a weighted mean of 4.70 and 4.56 for the BSIE (Figure 3). These ratings imply that the graduates of both programmes **strongly agree** that they were able to practice successful mechatronics or informatics engineering professionals for the advancement of society, hence PEO1 is attained.

(b) PEO2. To promote professionalism in mechatronics or informatics engineering practice

With reference to the different indicators, BSME alumni rating had a weighted mean of 4.78 while 4.66 for BSIE (Figure 3) revealed that the alumni of both programmes **strongly agree** that they were able to promote professionalism in mechatronics or informatics engineering practice, therefore PEO 2 is attained.

With the over-all mean of 4.74 and 4.61 (Figure 3) implies that the BSME and BSIE alumni Batch 2014-2015 **strongly agree** on the attainment of the PEOs for the BSME and BSIE programmes. Therefore, AMAIUB has been successful in the delivery of outcome-based instruction (Figure 3)

On the assessment of Programme Intended Learning Outcomes (PILOs)

A weighted mean of 4.75 and 4.66 (Figure 3) denote that the BSME and BSIE alumni Batch 2014-2015 **strongly agree** on the identified factors for the assessment of PILOs, hence **attained**. Results also imply that the graduates of the BSME and BSIE programmes are endowed with the attributes characteristic of each programme. Therefore the BSME/BSIE alumni had been prepared to become competitive in the local, global and international engineering manpower resources.

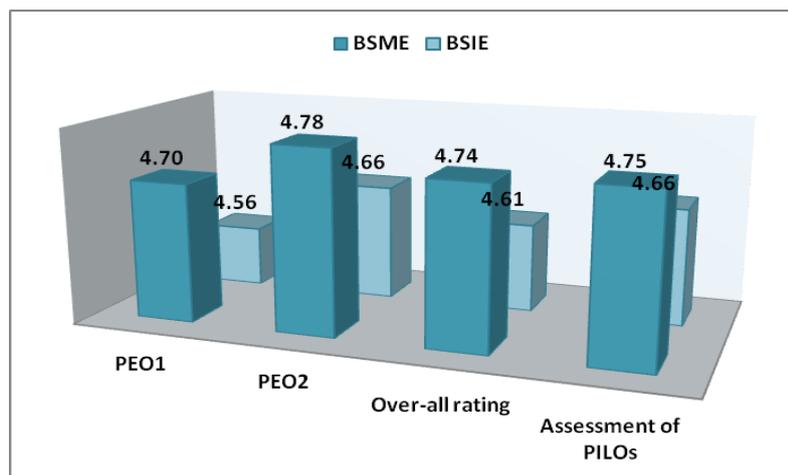


Figure 3. Attainment of PEOs/PILOs