

# ABET OUTCOMES

مخرجات ايت الخاصة بالحقية التدريسية للمواد النظرية

إعداد

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# OUTCOME “ I “RECOGNITION OF THE NEED FOR, AND AN ABILITY TO ENGAGE IN LIFE-LONG LEARNING”

- **Performance Indicators:**

- **1. Explain why life-long learning is important to an engineer**

- توضيح أهمية التعلم على المدى الطويل مهم للمهندس

- **2. List ways continue learning and maintaining currency in the field**

- إعطاء امثلة متعددة على التعليم المستمر وكيفية تطبيقه عملياً

- **Assessment tools (Interview)**

# SCORING RUBRIC "A SCORING GUIDE USED TO EVALUATE THE QUALITY OF STUDENTS' CONSTRUCTED RESPONSES"

	4- Exceeds	3- Meets	2-Progressing	1-Below
Why LLL is important	Can explain in detail why LLL is important	Can explain importance of LLL, but may not hit all the reasons	Can only cite one reason that LLL is important	Does not recognize importance or equates experience with achieving LLL
Ways to continue learning	Can describe at least five ways to continue learning	Can describe at least three ways to continue learning	Can describe at least two ways to continue learning	Only sees going back to school as a way to continue learning

## Questionnaire for outcome (i)

Performance Indicator 1	<p><b>What is meant by life-long learning?</b></p> <p><b>Describe all of the reasons why it is important for an engineer.</b></p>
Performance Indicator 2	<p>Describe ways in which you can engage in life-long learning.</p>

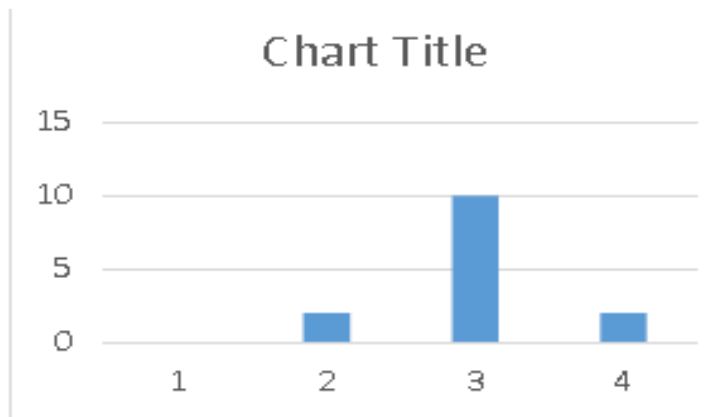
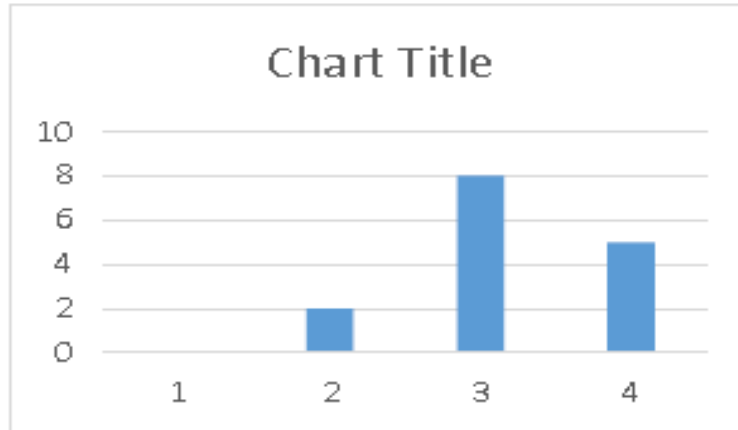
# EXAMPLE

- Assume we have 11 students.
- Any class say Programming
- Now a simple job or home work must evaluated according to performance indicator by  $\frac{1}{2}$  of degree points for each one.
- So according to Rubric table let us assume the students groups indicators were as follow:

	4- Exceeds	3- Meets	2-Progressing	1-Below	
Why LLL is important					$1*4+10*3=34$ Ave = $34/11=3.091$
Ways to continue learning					$7*4+4*3=40$ Ave = $40/11=3.636$

- Average =  $(3.091+3.636) / 2 = 3.363$
- So the final grad for outcomes I =  $3.363/4$

# PERFORMANCE INDICATOR CHARTS RESULT



- **Students Works Rating:**
- Lecturer should also made a students works rating which is a number of 1~ 4 of their understanding for the performance indicator.
- Then calculating the Average ( $x$  of 4) and final grade ( $x/4$ )
- It's related to lecturer to do students works rating chart and it should loke like the performance indicator one.
- SD “ Standard deviation is needed for both. Hint/ you could use the web to do it easily. Also it is good if less than 1

# STUDENT AND FACULTY EVALUATIONS OF LEARNING OUTCOMES

Students Outcomes	Students Rating	SD	Instructor Rating	SD	Instructor Comments
I	Assume 3.009	0.87	3.363	0.225	Acceptable difference
<b>Assessment of Changes/Improvements Made this year, 2016/2017</b>			<b>No improvement is made</b>		
<b>Changes/Improvements That Will Be Made Next Time the Course is Offered</b>			<b>We hope that next year will be improved by:</b>		