Bachelorof Science Mechanical Engineering

Annual Program Report Template

Year:	2021-2022
Program:	MechanicaEngineering
ContactPerson(includeemail & phone#)	Mansour

Table1. Assessmen Result and Analyses for Current Cycle.

STAGE: PLAN				STAGE: DO		STAGB: STUDY	
DepartmentalStudent Learning Goal	ProgramStudent Learning Outcome	Assessment	Assessment Method/Location	Benchmark Expectations	DataResults	Actions/Goals Based on Data Results What do the data tell you?Howwill you usethis data? How were data from the last cycle used to make changes duringthis cycle,andWhatwere the result of those changes?	
1. Advance professionally with increasing leadership and responsibility beyond entry level in an industry relevant to mechanical engineering.			I			the results of those of driges :	
2. Contribute to organizational objectives with significant societal benefits in an environmentally and							

2. In a previous assessment, it was found that the average students' performance in SLO# 1 in MEEN4310-MEEN4316 to be 73.7% which is below the set threshold of 75%. 3. Because of the below threshold performance of students for SLO#1 in the senior design course, the faculty teaching the senior design courses, MEEN4310 and MEEN4316, implemented continuous improvement measures to improve performance. The students have been required to include detailed documentation of engineering analysis processes in the final report. In addition, the students have been required to present the detailed desigecbede desig09-8 6nior d 8.9 (on,)-23.1 (m)-12.4 (pr)-T* [(bee

					average was 85%.	The averages to be 85%.	score was fo	und
3. an ability to	Performance				5. Reassessment of SLO#2 in MEEN4323 in Fall of 2022. In Fall 2022, the same outcome was assessed again in MEEN4323, and the result was that 55% scored below 75%.	 So, it was corproblem could MEEN4323. Tfaculty teachin developed a configure of the implemented Fall 2022. The provided more problems in the systems subject of the performant assessed against the performant assessed against threshold. Eight students scorp on the aforem performance clear if the dip was due to Change of motific from face-to-fback to face-ts something els devised anoth improvement MEEN4323 to in the Fall of 2 includes addir problems and visit to address issues. 	acluded that be specific Therefore, the op MEEN432 ontinuous plan and was in MEEN432 e faculty e assignment the design of ected to I constraints ace indicator in in Fall 202 ed 55% of the ot meet the hot meet the hot meet the hot out of 22 ed 50% or lease of in performa DVID and the de of instruct ace to online o-face or se. The facul plan for be implement 2023. The plational practic a possible s s real applica	the to e 23 s 23, at and was 22. e 75% ess s not ace etion e and ty us ented an site ation
communicate effectively with a range of	a. Presentations are							
audiences	professional, clear, well-organized,indica	ators:T J	0	6 8	7 0	Τd	()	т

j

free of language errors

design course series.

- b. Presentations engage audiences with appropriate language and skillful use of visual aids.
- c. Interact with audience in presentation
- d. Information is organized with well-constructed headings and paragraphs. Data are effectively presented in figures and tables. There are no grammatical, spelling or punctuation errors.
- e. Demonstrate the skills of technical reasoning and writings

and e, were assessed in MEEN4319, material scienc14 6h7uTm ()TtMCh0 30e38 BDC -0.014 2 C09 respectively. indicators a and assessed in MEEN4316.

Samo

Ν

In the previous cycle, assessment results in the senior design courses showed that the students performed well on all performance indicators for all 3 SLOsTherefore, there were no actionstaken for improvement.

Since the last report, new assessments have been conducted and showed some issues 0 Tc 0 Tw 2.207 0 00

iên liei fo Oten 3

SLO# 3: an ability to communicate effectively with a

A B:

Several changes have been made to the assessment process including updating the list of target courses where the outcomes are assessed and 2 flowcharts (Figs. 1-2) to help guide the assessment and continuous improvement processes. In addition, the duration of the assessment cycle has been shortened from 3 years to 2.



Fig. 1: Assessment and Continuous Improvement Processes



Fig. 2: Learning Goals Review