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# NAVAJO TECHNICAL UNIVERSITY

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<b>Engineering Advisory Board Meeting Minutes</b>	<b>Present:</b> <b>Advisory Board Members:</b> Dr. Phil Pohl, Dr. Indra Adrianto, Steve Grey, Dr. D. Stan Atcitty, Robert Whitman, Basu Arindam, Shayna Begay, Dr. Noel Blackburn, Dr. Aaron Thomas  Absent: Arvin Trujillo  <b>NTU Employees Present:</b> Dr. Peter Romine, Dr. Sundaram Arumugam, Dr. Hietam Elhoone, Dr. Pias Biswas, Dr. Mahbubar Rahman, Dr. Olanrewaju Johnson, Dr. Tarique Khan, Anusuya Vellingiri, Dr. Md. Faruk Hossain, Delila Nakaidinae, Dr. Casmir Agbaraji
<b>Date:</b>	Thursday, March 6, 2025
<b>Start Time:</b>	1:30 p.m.
<b>End Time:</b>	2:57 p.m.
<b>Location:</b>	SUB 231/Zoom

## I. Call to Order

Dr. Pohl called the meeting to order at 1:30 p.m.

## II. Roll Call

Dr. Pohl took the roll call. Nine (9) members were present, and one (1) was absent. A quorum was present via Zoom, Dr. Pohl and Shayna Begay attended in-person.

## III. Approval of Agenda

**Motion:** Shayna Begay moved to approve the agenda. Dr. Atcitty seconded the motion.

**Vote:** The motion passed unanimously.

## IV. Approval of Meeting Minutes

A. February 29, 2024

**Motion:** Dr. Thomas moved to approve the meeting minutes of February 29, 2024, seconded by Arindam Basu.

**Vote:** The motion passed unanimously.

## V. A New Advisory Board Member to represent Environmental Engineering

Dr. Blackburn, who works at Brook Haven National Lab, introduced himself as the newest engineering advisory board member to represent the environmental engineering program.

## **VI. New Mexico State Board of Licensure for Professional Engineers and Professional Surveyors (BLPEPS)**

- A. A Letter from New Mexico State BLPEPS
- B. Fundamentals of Engineering (FE) Exam
- C. Curriculum Revision to add an FE Course

Dr. Pohl read the letter from New Mexico State Board of Licensure for Professional Engineers and Professional Surveyors (BLPEPS), to encourage engineering students to take the fundamentals of engineering examination before they graduate from NTU.

Dr. Romine noted that it is not a good strategy to add the FE exam as a required course due to having nobody to teach it. He further stated that the FE exam is a good assessment tool for students, and they should be encouraged to take the exams.

Arindam Basu pointed out that if NTU requires engineering students to take the FE exam, it needs to provide resources to support the students.

Shayna Begay asked if the state of New Mexico could provide seminar engineering students to prepare them for the FE exam.

Dr. Agbaraji mentioned that NM BLPEPS is willing to help, and he will invite them to make a presentation to engineering students regarding the FE exam.

Dr. Atcitty stated that he was not required to take the FE exam as student.

Dr. Whitman mentioned that at Denver University, mechanical engineering students are required to take the FE exam.

Dr. Thomas noted that University of Idaho, FE exam is recommended for engineering students as it is used for assessment and ABET accreditation.

Dr. Blackburn stated that when he was an undergraduate, 60% of students did not take the FE exam. It will be attractive for new students, and they will appreciate the value of engineering programs.

Dr. Thomas asked how many electrical engineering graduates need PE licenses for their jobs.

Dr. Romine said that students in power concentration will require PE licenses for their jobs.

Dr. Thomas further stated that NTU can start off with a recommendation for FE and change it as a requirement down the line.

**Motion:** After some deliberation, Shayna Begay recommended that faculty should encourage and provide resources to educate their students to take the FE exam before they graduate. This was seconded by Dr. Atcitty.

**Vote:** The motion passed unanimously.

**I. Program Educational Objectives (PEOs)**

A. Environmental Engineering - ENVE (B.S.)

B. Mechanical Engineering - ME (B.S.)

Dr. Thomas asked if NTU achieves the objectives included in the PEOs.

Dr. Atcitty pointed out that NTU can use LinkedIn to track job placement for its graduates.

Arindam Basu recommended that NTU should create a Premium LinkedIn account to track where engineering students work.

Dr. Blackburn asked why NTU should change the PEOs at this time.

Dr. Agbaraji noted that the ENVE and ME are new programs and do not have approved PEOs, so they will need to develop their PEOs before their first ABET accreditation visit in 2029.

**Motion:** Arindam Basu moved to approve the PEOs for environmental and mechanical engineering and seconded by Shayna Begay.

**Vote.** The motion carried.

**II. Next Meeting Date**

The next meeting is scheduled for Thursday, September 18, 2025, at 1:30 p.m.

**III. Adjournment**

The meeting adjourned at 2:57 p.m.