



<b>Engineering Advisory Board Meeting Minutes</b>	<b>Attendees</b> <b>Advisory Board Members:</b> Dr. Stanley Atcitty, Steve Grey, Dr. Phil Pohl, Arvin Trujillo, Dr. Aaron Thomas, Shayna Begay, Dr. Calvin Pohawpatchoko, Kristina Halona, Dr. Robert Whitman  <b>NTU Employees:</b> Dr. Peter Romine, Dr. Sundaram Arumugam, Dr. Gholam Ehteshami, Dr. Alden Yellowhorse, Dr. Kamel Alboaouh, Dr. Ragavanantham Shanmugam, Anusuya Velligiri, Dr. Olanrewaju Johnson, Dr. Osama Fakron, Juanita Francis, Scott Halliday, Dr. Casmir Agbaraji  <b>Absent:</b> Raquel Redhouse
<b>Date:</b>	Thursday, April 8, 2021
<b>Time:</b>	1:36 p.m.
<b>Location:</b>	Zoom

**I. Call to Order**

Dr. Atcitty called the meeting to order at 1:36 p.m.

**II. Roll Call**

Roll call was taken by Dr. Agbaraji.

**III. Approval of Agenda**

**Discussion:** Dr. Pohawpatchoko asked if computer science can be added to the agenda. Dr. Agbaraji pointed out that computer science is accredited by Computer Accreditation Commission (CAC), whereas engineering is accredited by the Engineering Accreditation Commission (EAC), so computer science will have its own advisory.

**IV. Approval of Meeting Minutes**

A. October 15, 2020

**Motion:** Arvin motioned to approve the meeting minutes of October 15, 2020; seconded by Dr. Pohawpatchoko.

**Vote:** Motion passed unanimously.

**V. Bylaws**

**Discussion:** Shayna presented the revised bylaws and suggested replacing “shall” in sections 1 and 2 to “should”. Steve advised not to have anybody from the Navajo government as member of the NTU advisory board to avoid politics. Dr. Romine mentioned that having a representative

from the state of New Mexico should be a requirement, and this will help make NTU engineering program be licensed by the state. Dr. Whitman pointed out that a representative from the New Mexico Board of Professional Engineers will be preferred. Dr. Agbaraji recommended having a representative from a Navajo Nation enterprise to serve on the NTU engineering advisory board.

Shayna suggested having a faculty member from an “ABET-accredited institution.” Dr. Whitman recommended replacing a “permanent seat” with “a reserved seat.” Shayna said there is no need for a secretary since the advisory board does not handle cash, so chair and vice chair position will suffice. Dr. Thomas indicated that two year is not enough for the chair position, and he recommended three to four years. Dr. Whitman mentioned that two years will be enough since the vice chair must have gotten enough experience to move to the chair position.

Dr. Atcitty suggested making the chair position two-term limit, and this can be an action item for the fall 2021 meeting. Shayna commented that officers can be nominated at the next meeting in the fall 2021.

**Motion:** Dr. Thomas motioned to approve the Engineering Advisory Committee By-laws and the two-year term limit will be a discussion item for the fall 2021 meeting; chair and vice chair nominations will be made at the fall 2021 and seconded by Arvin.

**Vote:** 9 in favor and 0 opposed.

#### **VI. Engineering Strategic Plan**

Dr. Romine presented a draft copy of the engineering strategic plan. Dr. Whitman recommended adding timelines to the engineering strategic plan. Shayna suggested appoint a subcommittee to work on the strategic plan. **Dr. Romine, Dr. Pohl, Harry, Dr. Thomas, and Dr. Pohawpatchoko** agreed to serve on the subcommittee to review the strategic plan and present it at the next engineering advisory meeting in the fall 2021.

**Motion:** Phil motioned that Dr. Romine, Dr. Thomas, Harry, and Dr. Pohawpatchoko, and Dr. Pohl, to complete the engineering strategic plan with timelines; seconded by Dr. Whitman.

**Vote:** 8 in favor and 0 opposed.

#### **VII. Program Educational Objectives (PEOs)**

Dr. Romine presented the PEOs survey he created in Survey Monkey for employers and engineering alumni. Dr. Pohawpatchoko strongly recommended building a database of engineering graduates.

#### **VIII. Number of Engineering Programs**

- A. Electrical Engineering, B.S.
- B. Industrial Engineering, B.S.
- C. Mechanical Engineering, B.S.
- D. Advanced Manufacturing Engineering Technology, B.A.S.
- E. Chemical Engineering Technology, A.A.S.
- F. Engineering Technology, A.A.S.
- G. Engineering Technician, Certificate

Dr. Agbaraji said the list of seven engineering is for information purposes, so no action was required. NTU will be applying to ABET by January 2023, to get four bachelor's degrees and two associate's degrees accredited.

## **IX. Proposed Engineering Building**

### **A. Fundraising**

Dr. Thomas suggested going to alumni for fundraising. Dr. Romine mentioned that the \$12M donation to NTU by MacKenzie Scott shows that fundraising works. Dr. Atcitty recommend inviting Deb Haaland regarding equity and climate change since the Biden administration emphasizes green environment. Dr. Agbaraji mentioned that the estimated cost for the engineering building is \$40 million. Dr. Atcitty suggested naming the engineering building the center for environment and social justice. Shayna commented that it is not necessary to set up a subcommittee at this time, but NTU needs to partner with corporations to fund the engineering building. Dr. Atcitty recommended writing a summary of that will be in the building, including cost estimation. Dr. Agbaraji indicated that an update about the engineering building will be presented to the engineering advisory board during its next meeting in the fall 2021.

## **X. Next Meeting Date**

**Motion:** Arvin motioned to schedule the next meeting for October 21, 2021, from 1-3 p.m.; seconded by Dr. Pohawpatchoko.

**Vote:** 8 in favor and 0 opposed.

## **XI. Adjournment**

**Motion:** Arvin motioned to adjourn the meeting at 3:54; seconded by Dr. Whitman.

**Vote:** Motion passed unanimously.