**Northland Pioneer College Department of Computer Information Systems**

**Minutes for the Advisory Board Meeting on**

**May 10, 2019**

**12:00 p.m. to 2:00 p.m.**

**White Mountain Campus, M6**

**Attending Advisory Board Members**: Peggy Belknap, Dean of Career and Technical Education; Dan Groeneveld, NPC Adjunct Faculty; Carrie Jordan, NAVIT; Matt Mancini, VMware; Kim Burleson, Cellular One

**Virtual Attendance:** Jonathon Schrader, CIS Adjunct Faculty; Anna Godfrey, Able AeroSpace; Ben Rushlo, Vice President of Dynatrace

**Attending Faculty Members**: Eric Bishop, CIS Faculty and Department Chair; Steve Sheck, CIS Faculty

**Note taker**: Pamela Dominguez

**Welcome, Introductions, and Lunch:**

Eric welcomed everyone. Introductions were made.

**Advisory Board Purpose:**

The department’s purpose is job and career preparation, opportunities for students to transfer to the university, and personal enrichment. The Advisory Board’s purpose is to provide relevant insight, trends and local needs from people in the industry and incorporate them into internships and job placement.

**CIS Department Updates:**

The three programs offered in Fall 2019 are Computer Information Systems (CP) (CAS) (AAS) Cybersecurity (CP) (CAS) (AAS), and Software and Web Development (CP) (CAS) (AAS). Steve Sheck is CIS’s new full time faculty person. CIS has hired a new adjunct faculty member, the department is recruiting for more adjunct faculty. The focus in the past has been on course outcomes. Now, the college is focusing on program outcomes. A handout with CIS’s Program Outcomes was offered. Eric asked for feedback on the program outcomes. Eventually, there will be college level outcomes such as critical thinking, ethics, communication, and problem solving. Matt mentioned aligning outcomes to business outcomes. Communication is key whether it’s talking to the CEO or a coworker. Students learning to relate to the goals of the company is important to be successful.

The department has a three year subscription to Microsoft Azure Developing Tools for teaching that allows students to have access to Microsoft software except Office. Beginning in Fall 2019, CIS students will have access to this software. The department has integrated some Cloud platforms into some CIS courses. The department is working on a comprehensive CIS Program Review. An isolated CIS lab has been approved, which will be at WMC. The lab will be setup this summer, and students will be able to use in the fall. The college is working on their HLC reaccreditation visit in November. Items the department is working on:

* Marketing and Recruitment efforts are continuing.
* Minor curriculum tweaks to meet all of our outcomes.
* A proposal for Student/Community Club is almost finished to be presented to the Executive Team for approval. If the club is approved, it would start next fall and meet two Tuesdays per month in the evening. Eric will let the Advisory Board know the dates so they can help spread the word.

**Advisory Board Member Updates:**

Dynatrace: Ben held a workshop at NPC on web performance to feed into an employment opportunities. Ben will be hiring again in midsummer and would like to hire our students. Customers are driving Cloud architecture and storage. Ben supports business outcomes in the curriculum. Matt mentioned there is a lot more than knowing hardware work; you need to know programming, storage, and networking.

Able Airspace: Anna mentioned it’s critical to understand the business’ outcomes. Cloud computing can be challenging. They need to focus on security and the different layers and virtualization. Anna supports internships. Anna likes the department identifying more than just course outcomes and looking at the bigger picture with program outcomes and college outcomes.

Jonathon: A student had an issue with Microsoft updates and their computer got a blue screen. Jonathon would like to invoke into his course offsite storage as well as local storage for his students and the ability of working on individual/group assignments. He would like to find ways to use modern technologies with students so they know more than the most modern programming language of the course.

VMware: Cloud space is really an up TIC. Customers are starting to embrace it. When we announced VMware on AWS and VMware on Azure our technology on their systems, the amount of people was a huge influx. The whole Internet of Things (IOT) community is a becoming a big trend. Edge Computing and ARM computing are more trends that Matt sees. Raspberry Pi is a useful tool.

Cellular One: Students need a broader understanding how to make communications happen from all aspects. Sometimes employees have experience, but not the understanding.

NAVIT: Carrie asked why there wasn’t a NAVIT program in IT. Eric mentioned CIS was offered through the NAVIT program had not been successful when it was offered in the past. Eric mentioned his concerns that the high school rooms do not have computer labs available to offer CIS in TALON or Dual Enrollment. The high school instructors would also need a Master’s Degree. NAVIT brings their students to NPC and with CIS’s new programs there is potential. Carrie mentioned the Cybersecurity program would be interesting for students. Eric mentioned that a meeting with Peggy, Matt, Steve, and Carrie to discuss it further would need to happen first. Peggy mentioned A+ and N+ might be another pathway. Dan mentioned it’s nice to see students becoming paraprofessionals versus specialists.

**Next meeting:** The next meeting will be in Fall 2019, mid-October at the White Mountain Campus on a Friday during lunch time. Eric will send out a Doodle Poll with days and times.