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

**Minutes for the Advisory Board Meeting on**

**October 20, 2017**

**11:30 p.m. to 1:30 p.m.**

**White Mountain Campus, Aspen Center Rm. #110**

**Attending Advisory Board Members**: Tony Lindsey, Navopache Electric Cooperative (NEC); Ed Gentry, NPC Manager of Technical Services; Ken Dewitt, Navajo County;

**Attending Faculty Members**: Eric Bishop, CIS faculty and Department Chair

**Note taker**: Pamela Dominguez

Eric welcomed everyone to the meeting and introductions were made. The college is having a President search and will need community input.

**Advisory Board Purpose:**

The purpose of the CIS department is to help students with job/career preparation, university transfer and personal enrichment. The purpose of the advisory board is to provide insight to industry, networking opportunities, and internship and job placement.

**New Cybersecurity Program has launched:**

CIS has a new Cybersecurity program that offers three stackable levels: Certificate of Proficiency, Certificate of Applied Science and Associate of Applied Science. Eric reviewed the courses for each level and the sequencing. The influences for the Cybersecurity program are: National Institute of Standards and Technology (NIST), National Initiative for Cybersecurity Education (NICE), U.S. Department of Homeland Security, National Security Agency, and SANS. We have 40 CIS courses on the books at NPC. Eric would like to move the graphic design courses to the Art department or delete them. At this time, we do not have a direct transfer degree. Some CIS courses do transfer to the three Arizona universities.

**Curriculum Changes**:

Eric reviewed the changes and deletion of CIS courses that will take effect in spring 2018.

**Online course development and offerings:**

Enrollment is an issue because how far the college is spread. We are focusing on putting more courses online. The courses available online as of fall 2017: CIS105, CIS150, and CIS286. There are four tentative courses that will be taught online in spring 2018: CIS111, CIS130, CIS187, and CIS245. The courses are awaiting the college’s internal committee to review and approve. The goal is to have all the courses online; some can be hybrid with labs.

**Teaching Opportunities:**

Eric cannot teach all forty CIS courses. We are looking for a CIS full time faculty and adjunct faculty. Eric will send out to Ken and Tony the requirements for a CIS faculty person. The full time position needs to have a Master’s Degree. An adjunct faculty person we can qualify on a course by course basis. Eric will look into doing some workshops on industry needs.

**Industry Updates and needs:**

Ed Gentry: The college is switching over to Huawei radio. The college has three climbers/rescuers; the next time we will be moving at least two people to riggers.

Ken Dewitt: The county is working on a couple of projects that could have some significant changes to the region. Ken is working on E-rate funding with schools and libraries. There is a seven to eight-mile gap between Payson and Forest Lake. If this is filled, it will give us another way off the mountain. We are in the process of opening bids. Ken is working on some 911 grants to connect agencies together, which would help the fiber network. There would be a need for a networking person to flip switches and things. Arizona Cyber Threat Response Alliance (ACTRA) is a group of people across 14 different sectors that communicate together whenever a cyber-threat comes in. In Mesa, there is Arizona Cyberwarfare Range that you can train to be a hacker to learn how to defend your network, and for ACTRA members the training is free.

Tony Lindsey: NEC put in a new metering system across the whole territory. NEC just hired a GIS mapping person from out of state. NEC IS has 5 people. NEC has built about 20 towers over the last two years so they can be on their own internal network. They need to build another 6 or 8 more. NEC allows others on their tower especially government and typically we don’t charge. NEC is putting video surveillance in all their substations. NEC is having a Microsoft software audit. NEC is going to build a disaster recovery center in Springerville.

It was recommended to add to the agenda for the next meeting: what are you working on, projects, and best practices.

**Next meeting:** The next meeting March/April on a Friday.