**Northland Pioneer College Department of CIS**

**Minutes for the Advisory Board Meeting on**

**March 10, 2016**

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

**Silver Creek Campus, LCC RM #112**

Attending Advisory Board Members: Peggy Belknap, NPC Dean of CTE; Jeremy Raisor, NPC Director of Enrollment Services; Josh Rogers, NPC Director of Student Services; John Spaduccini, NPC Manager of Career and Workforce Business Services; Pamela Dominguez, NPC Secretary to Dean of CTE; Ken Dewitt, Navajo County; Tony Lindsey, NES IT Manager; Jacob Garcia, CIO LCMC; PJ Way, NPC Director of Information Services; Ed Gentry, NPC IS Support Manager; Jay Larson, Summit Healthcare; Paul Wade, Summit Healthcare

Attending CIS Faculty Members: Clover Baum, Department Chair; Doug Seely, John Chapin,

**Agenda Items:**

1. **Welcome, Introductions and Lunch**

Chairperson, Clover Baum welcomed all attendees to the Spring 2016 CIS Advisory Board Meeting.

1. **Web Development and Graphic Design, CP, CAS, AAS**

John spoke about streamlining the Web Development and Graphic Design degree. We now offer two Certificates of Proficiency (CP): Web Development (CP) and Graphic Design (CP). If students want to continue their education, they earn both CP’s and take a few other courses for their Web Development and Graphic Design Certificate of Applied Science (CAS). If students want to get their Associate of Applied Science (AAS), they earn the CAS and take few other courses.

1. **Network and PC Support, CP, CAS, AAS**

Doug spoke about Network and PC Support degrees. This was designed to better prepare students for internships. We are bringing in the Security+ certification, communication, soft skills, CWA, Linux and hands on skills. Doug announced his retirement effective May15, 2016.

1. **Internships**

John spoke about the opportunities to job shadow and internship. John offered to meet with industry if they are interested in either program. NPC does have an internship manual. The internship can be paid or not paid. It is valuable to be able to include this experience on a student’s resume. There will be a Career Fair on March 30 and 31. A Career Fair flier was passed out.

 **6. Approved Changes to CIS Degrees Web and Graphic Degrees, and Required Electives**

Clover spoke about changes to the Communication and Information Systems (AAS) degrees. This degree does not offer a (CP). We updated the (CAS) by adding: CIS142 (A+ to gain more hands-on skills) and CIS161 (Microsoft Operating System). The (AAS) stayed the same. The three AAS have been sent to all three universities to articulate for their review to become transfer degrees. The required electives have been reviewed and new ones have been added to give students more of a selection. Other required electives have been deleted.

1. **Industry Updates:**

**Summit HealthCare:** Jay noted in the healthcare industry, security is priority. Ransomware will be the number one concern. Such as pacemakers and IV pumps being infected with ransomware virus. Telemedicine is a big initiative.

Paul noted Summit is focusing on virtualization. A VMware certification course would be great.

**Navajo County:** Ken noted the County uses HyperVware. Ransomware in 2015 cost 326 million dollars in losses according to FBI report.

**NPC:** PJ noted security threats there is the slingshot method that people are using. Hackers get in through a smart refrigerator into your house or your smart phone into your business. Now, they have a backdoor into your network.

**Little Colorado Medical Center:** Jacob noted security is on the top of the list. Mobile devices open up more vulnerability to companies.

**Navapache:** Tony noted Navapache is looking to hire someone in admin with traditional skills but also needs to know some security and VMware which is required by regulators and auditors. We have a need for telecom people with radio communications, licensed radio, microwave knowledge, phone systems PBX, and control panel software.

1. **Suggestions/Discussions**

Ken discussed the consortium that he is in. Frontier and CableOne are the two major vendors on the mountain to provide internet access. The infrastructure on the mountain is poor. The consortium is working with the vendors to invest in the infrastructure to get better internet access. A subcommittee was created to see where the infrastructure is at, so we can tell where to go. The subcommittee is making a mission statement and goals which gives the reasoning behind what they are trying to accomplish. The subcommittee will get a power consultant on how to improve the infrastructure to increase the bandwidth.

It is time to get more cyber security programs. Navajo County gets attacked on a daily basis. It would be great to have cyber warfare range in this area. Navajo County is associated with Arizona Cyber Threat Response Alliance; they have cyber warfare range in Mesa. You can access that remotely. Some of the universities have agreements to accept some of their training as classes.

Curriculum for security is the next step. We have an Articulation Task Force (ATF) meeting were other institutions from around the state come to discuss curriculum, courses and pathways. We have a solid foundation curriculum where students can choose what their next step will be. Our department knows the emphasis is going to be on security.

NPC Full-Time Student Equivalent (FTSE) numbers were displayed and discussed.