



NETWORK TECHNOLOGY ADVISORY COMMITTEE - MINUTES

Wednesday, March 1st, 2023

Zoom

Members Present: Brian MacKay (Committee Chair), The Columbian Publishing Co.; Eric Olmsted (Vice Chair), On Line Support; Steve Bohling, Clark PUD; Eric Cowen, On Line Support; Ryan Fanning, BPA; Michael Jaeger, Open to Industry; Sean Moore, Workforce; Patrick Rancore; Windstream; Jim Schafer, Intel, Ryan Fanning,

Members Absent: Eric Hazen, ieSolutions; Brian Page, Fortinet; Steve Redman, EHFNET.WORKS

Clark College: Dwight Hughes, Network Technology Department Head; John McKee, Interim Dean – WPTE; Michael Tucker, Professor; April Cannon, Advising; SueAnn McWatters, Advisory Committees Coordinator, Kathy Chennault,

MINUTES OF THE PREVIOUS MEETING

The minutes will be sent via email.

ANNOUNCEMENTS

New dean starts in April and the VPI has left and Jim Wilkins-Luton has taken on the role as interim.

NEXT MEETING DATE

The committee will meet next on June 7th, 2023 3-4:30pm.

NTEC DEPARTMENT REPORT OUT

Post Covid Report (Lab open, return to F2F classes)

This is a big push this year with a goal of 50% being face to face (f2f). The lab opened in September. The delay was related to concerns of Covid and guidelines around it. It is currently being used at 30% capacity. The program has been hosting events to draw them to the lab. Students have gotten used to being online, so the move back to face to face is new to them.

Career Launch Grants ((Equipment, Program Navigator position)

The program has two grants, including \$400,000 to build cyber range. Randi Jenkins was hired as program navigator that will support student recruitment, retention and employment.

Enrollments > NTEC AAT, CBAS

The NTEC enrollments have flattened, overall the college is struggling with low numbers. There are many job opportunities out there, and students would benefit from the opportunities from education. The CBAS is adding cohorts, enough to have one starting each term. The program will need more rooms and faculty to continue to grow. Every year a few students interested in the CBAS degree are enrolling in the AA level program as a result. The CBAS is also enrolling students break down to be about one third of students have a transfer AA, one third have CTE associates, and one third has Bachelors degree.

New faculty member, professor Giga Alqeeq

Giga introduced themselves, having worked in the field for 17 years and has joined Clark as a cybersecurity instructor.

Cybersecurity Bachelor of Applied Science Degree NEEDS

Need to form an Advisory Committee

The program needs to have its own committee rather than utilize this one. One of the reasons is that they are independent degrees that are not linked and do need to be reviewed. The goal is to have the two committees meet once a year. Please reach out if anyone is interested.

Need to attain National Accreditation

Giga has begun to look into this. This will help get national recognition, and one of the requirements is to have an advisory committee. The application plan is to submit in the fall and takes approximately a year to obtain. If rejected, they will provide feedback on what needs to be amended to qualify with support from an assigned mentor. There is some interest already in the community. It is not the intention of having members serve on both committees, the goal is to have them autonomous membership.

Need to Embark on Marketing/Promotion

The goal of doubling enrolment in the coming academic year has a wait list to fill it but long term, in light of the growing competition, this will not be long term. The program has no support or material for marketing. The bandwidth of the program and marketing department has impacted this. The program could use some assistance.

Need to build a Cyber Range

The grant and donation coming in will help with this. The next step is to build it. Cyber range is equipment that can be hacked and defended in real time. This allows students to practice in real time then go back to class to discuss how it went and the theories associated with it. There is the possibility of having industry members use the system as well as other education groups. The plan to build models is through the donation. In the next year the goal is to create 2-3 labs per course. The equipment is here. including the Faraday Cage and virtualization platform software, the program is just waiting for the funding paperwork to complete to start the hiring process.

Need to do a 360 curriculum/degree review

The spring meeting will focus on this task. The industry is changing rapidly and the program wants to keep current. This includes what can be taken out and what could be included. Dwight will send out more information to assist with this discussion at the next meeting.

ADVISORY COMMITTEE ENGAGEMENT

Speak to a class on a specific topic

The members are encouraged to reach out to Randi Jenkins to identify topics to discuss as a guest speaker. This can be technical skills or soft skill such as resume building.

Speak to an open forum of students

There may be events that are available that are open to campus and community to promote the program. If there is a topic of interest that would fit a larger audience, also please reach out.

Lab/Workplace demonstration video

This can include a walk through of a business, something done in house, something that can be filmed on Clark campus. This doesn't have to be innovative; they are looking for videos that relate to the everyday work done as well. If someone has an idea, please send it forward even if they don't have the ability to do the video.

Advisor for lab activity designs

The adjuncts would benefit from industry input on what can be improved and what assistance members might be able to offer.

Suggestions/Ideas? How would you like to get involved?

Whether an idea, resource, or assisting in person or create flyers were offered as examples. The program could use the assistance and the community and students would benefit from interacting with members.

STATE OF INDUSTRY DEBRIEF

Go around the table... Advisory Committee members share info/perspectives on where the industry is at and where it is headed. What could/should we change about our current NTEC AAT degree to better align with employer needs?

Some items noted:

- What to keep local versus cloud
- How to best ensure disaster recover protocols and ensuring network can support it.
- How to best monitor onsite and cloud given the threats.
- Migrate to alternative architectures.
- What do students want from the advisory committee and program, consider a survey?
 - *Dwight will put one together and have feedback for the next meeting*
- ChatGPT – there is a three day AI summit with about 150 attendees, with more information to come.
- New Charter School with a tech focus for Vancouver Schools
- Insider threat and Dark Sites, on prem solutions
- How to address when Microsoft goes to exclusively 360, how to address areas that have never accessed internet for example.
- Consider adding specializations within the cybersecurity bachelor degree of applied science.

prepared by Sara Seyller