

NETX Network Advisory Committee
4th November 2015
10:00 AM – Noon

Attending:

Norman del Prado, Chair
TCOM Program Coordinator
delpradon@smccd.edu

Walter Hanley, Small Business IT Specialist, Instructional Designer
Owner config.sys; Microsoft Partner, Pacifica, CA
hanleyw@smccd.edu - 650-743-7398

Ernest Lau, Security Network Engineer
Stanford University, Palo Alto, CA
ernest.lau@elau.net - 650-575-3099

Sam Zandi, Network Architect, CCIE, Senior Network Engineer, NetXperts
Design security, data, voice and video infrastructure for large scale companies.
szandi@netxperts.com - 415-536-8045

Roger Eric Lohmann, Emergency Preparedness Division Chief
Department of Veterans Affairs, Office of Information Technology
Manager, Information Systems Contingency and Disaster Recovery
lohmannr@smccd.edu - 360-816-2770

Patrick Kelly, Kaiser Permanente – Program Manager
US VOIP call center deployment
Patrickkel11@gmail.com

Agenda

Status of Course and Lab Development

- Completed
 - Linux Course offered Fall 2015
 - Department Name Change to Network Engineer Technology
 - Attended and Researched Supplemental Online Tools (Netlab)
 - Attended Cyber Security Symposium at Microsoft Silicon Valley College (November 6)
- In Progress
 - Development of an network connectivity end mobile support class
 - VoIP class – to be offered Spring 2016

Potential new topics for program to reflect industry needs

- 2- 5 year course projections
 - Cyber Security
 - Network Design
 - Project Management
 - Advanced Netlab

Meeting Notes

Status of Course and Lab Development

Subjects Completed:

- VoIP Infrastructure in Room 2111
 - Lab topology updated for VoIP
 - Equipment/Cabling Fully Tested
- Linux Administration Course
 - CurricuNet (revive/revise existing course)
 - Syllabus & Text
 - Map Curriculum to Linux+, LPIC Standards
 - Linux compatible student machines/servers
 - Linux Distribution RHEL 7.0/Scientific Linux 7/Fedora 19
- Department Name Change
 - Network Engineering - NETX designator
 - Course Groupings – Renumbering
 - Department Web Site (Skyline College) Changes
- VoIP Course
 - VoIP Curriculum
 - Curriculum Design Change
 - Protocol Shift RTP to SIP

Subjects in Progress:

- Virtualization Course
 - VM Ware
 - Course Options
 - Department Infrastructure
 - VM Academy Infrastructure
 - Cost Options (CBA)

Potential New Topics

Immediate (2-4 years)

- Develop Cyber Security Program/Courses
 - Classes to include:
 - Advance security class – advance topics – URL, AntiVirus. Use of protocol analyzer
 - Forensic – individual class using a software – digital forensic
 - Security for beginners – general topics
- End-user Mobile Device Support
 - Outgrowth of District CIS needs interviews
 - Report by Hanley
 - Configuration and Troubleshooting

- Tablets, Pads, Phones & other ultra-portable Internet-connected devices
- CCNA Certification Prep Course
 - Certification required by most all employers/agencies
 - Revive
 - Offer once every academic year
- NETLab
 - Customizable On-line Lab to supplement existing course
 - Explore for Advanced Curriculum
 - Possibility of "shared on-line lab facility"

Projections 2-5 years

- Internship Program
 - Continue to develop some form of paid or volunteer work
 - VA Hospital
 - Skyline College – Teacher Assistance
- Network Design Course
 - Portfolio Capstone course
 - Align with Cisco Design CCDA standards
- Technical Project Management Course
 - Increasingly students report employers requests to manage full-system upgrades and geographical moves of IT infrastructure
 - Based on PMP Certification & industry standards