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

Attending:

Norman del Prado, Chair
TCOM Program Coordinator
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Walter Hanley, Small Business IT Specialist, Instructional Designer
Owner config.sys; Microsoft Partner, Pacifica, CA
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Ernest Lau, Security Network Engineer
Stanford University, Palo Alto, CA
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Sam Zandi, Network Architect, CCIE, Senior Network Engineer, NetXperts
Design security, data, voice and video infrastructure for large scale companies.
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Roger Eric Lohmann, Emergency Preparedness Division Chief
Department of Veterans Affairs, Office of Information Technology
Manager, Information Systems Contingency and Disaster Recovery
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Patrick Kelly, Kaiser Permanente – Program Manager
US VOIP call center deployment
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Agenda

Status of Course and Lab Development
  o 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)

  o In Progress
    • Development of an network connectivity and mobile support class
    • VoIP class – to be offered Spring 2016

Potential new topics for program to reflect industry needs
  o 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