4th ICONS Advisory Panel Meeting
City College of San Francisco Downtown Campus Room 821
March 20, 2007 11am to 1pm

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CNIT Education & Training Services at City College of San Francisco

- **CNIT Seminars & Workshops**
  - For Exposure to Advanced Technologies & Other Specialized Subjects
  - For Bay Area Residents of All Kinds With Relevant Specialized CNIT Interests

- **Creating CNIT Literate Communities and Competent CNIT Workforces in the San Francisco Bay Area!**

- **Continuing CNIT Education & Training**
  - For Working Professionals & Managers Seeking New Knowledge & Skills
  - Of Interest to CNIT Professionals, General Management & Others Seeking Additional CNIT

- **Academic Program Majoring in CNIT**
  - For Students Seeking AS Degrees And/Or Further Academic Studies at 4 Year Institutions
  - Of Interest to High School Students & Graduates Desiring Transfer Credit Toward Longer-Term Academic Goals

- **Entry Level CNIT Job Training**
  - For Entry Level and Other Specialized Computer, Network and Information Technology Jobs
  - Of Interest to High School Students, CCSF Students & Other Bay Area Residents Looking For Employable Technology Skills

- **General CNIT Competencies**
  - Basic CNIT Knowledge, Skills and Capabilities Needed to Function Well in Information and Knowledge Economies
  - Of Interest to All Students at Any High School, College or University (regardless of major), All Bay Area Residents & Employees of All Kinds

**CNIT provides knowledge and skills to succeed and prosper in our modern information and knowledge economy!**
• NSF ATE Project
• $750,000 over 3 years
• Convergence Technician Training
• Utilizing ICT Infrastructure
• Cost-Effective Skill & Knowledge Transfer for Economic Advancement

CNIT Chair Carmen Lamha with San Francisco Mayor Gavin Newsom At Press Event Announcing ICONS
Advisory Panel

- CCSF
- Service Providers
- Educational Institutions
- Equipment Manufacturers
- Private Enterprises
- Standards Bodies
- Community Non-Profits
- Government
ICT Collaboration Web

ICT Enterprise

ICT Industry

CCSF-ITS CNIT ICONS

Students and Communities

Other Educational Institutions

R & D Organizations

Government
Accomplishments Since Last Meeting

- Enrollment currently at 1,322 in 59 sections, which is up roughly 10% from Last Spring
- Started IEEE Student Chapter
- Added 3rd Network Neighborhood Center Supported by CCSF Students in Bayview/Hunter’s Point (SeaKay)
- 1st Juniper Networks University Center in North America
- Completed Formalized Curriculum Review & Planning
- AS Degree Endorsed & Ready for Submission to State
- Hosted NCTT Winter 2007 Conference
- Established Alumni Relations Survey
- 2 New Faculty Positions Approved
Accomplishments Since Last Meeting

• **Dissemination Efforts**
  – NSF ATE Conference – Wash. DC
  – League for Innovation – Charlotte, NC
  – Society of Telecom Consultants (STC) – SF
  – IEEE GLOBECOM – San Francisco
  – CENIC Annual Conference – San Diego

• **Public Outreach**
  – SF TechConnect Community Events
  – SF Fiber Feasibility Study Interview
  – Cover Story 2/07 *Communications News*

• **Instructor Training**
  – Juniper Networks, IPTV, Asterix – (Open Source VoIP), Tropos
    WiFi Mesh Training, Ethical Hacking
Comprehensive Review & Upgrade of CNIT/ICONS Curriculum

- Formal Process with Advisory Panel Input, Faculty Workshops…
- Consolidating Existing Courses & Adding New Skills Modules
- Addition of New Courses
  - Fiber Optics
  - Voice over IP (VoIP)
  - Ethical Hacking and Network Defense
  - Operating Juniper Routers in the Enterprise
  - Digital Home Technology Integration (DHTI)
  - #6
- Submission of CNIT AS Degree for Approval
- Creation of Convergence Certification
Emerging Technologies:

- Municipal Wireless
- RFID
- Data Center Technologies
- Multi-protocol Label Switching (MPLS)
- Virtual Private Networks (VPNs)
- Digital Video Transmission Technologies
- Unified Communications (email, voicemail…)
- Cellular Wireless Communications (3G, 4G, video…)

Advisory Panel Input
Advisory Panel Input

New Grant Proposal:

- NSF ATE Regional Center
  - 4 Years, Higher Funding
  - Working Closely with other Bay Area Community Colleges
- Additional Dedicated Staff Resources
- ICT Technology Showcase Facility
- State of the Art Lab and Instructional Facilities
- Additional Collaborations & Partnerships
- Other Ideas?
  - Educating Tomorrow’s ICT Technicians Today!
Advisory Panel Input

Other Ideas and Suggestions?:

- ICT Enterprise Collaborations
- Labs and Equipment
- Other Grant Opportunities
- Internships, Service Learning, Mentorships, Job Placement
- Apprenticeships
- Community Service
- Faculty Development
- Marketing and Advertisement
Alcatel–Telekenex SIP Trunks