Computer Science Information Technology
Computer Application Office Technology
Annual Advisory Committee Meeting
Location: CE 222 March 21, 2015
Time: 12:00pm - 3:00pm

Present: Marcus Butler, Eva Bitar, Kabwe Chanda, Anna Chiang, Stephanie Daley, Steve Gonsoski, Wayne Joness, Brent Knox, Selwyn Hollins, Patricia Morris, Ruby Kowaney, Diane Matsuno, Manish Patel, Ashok Patil, Laurent Phung, Milan Samplewala, Munir Samplewala, Ken Taira, Bill Vega, Bill Williams, Larry Wang, Yuen Yuen, Rita Walsh

Committee Chair (Anna Chiang) calls to order at 12:00 PM

Anna Chiang summarizes:
- The courses and programs we offer cover almost the entire spectrum of Computer Information Technology industry career pathway. With more and more grant projects coming and to help our students equipped with multiple skill sets, we will expand our offering to computer engineering like control system, digital and multimedia even computer game development. Our first guest speaker, Eva Bitar will give an overview about the career path in digital and multimedia.

Eva Bitar summarizes:
- Film & TV Computer Science:
  - Digital transitions, codecs (compression/decompression of large downloadable files, workflow and security to protect studio IP.
  - Production Workflow
    Production through post - basics of audio editing and mixing.
  - Post-Production Conforming and Finishing
    Conforming techniques and visual effects workflow for finishing, rendering and versioning.
  - Business of Post-Production
    Bidding, costs, studio/client interaction.

Anna Chiang introduces Manish Patel who will be presenting “full stack web development” bootcamp, this is H1B special funded project sponsored by the Labor Department, the bootcamp will be offered in summer 15, the goal is to help unemployed or under employed students find a decent job.

Manish Patel summarizes: Ruby on rails is the fastest growing web development platform today. There is a huge demand for Ruby on Rails developers from companies such as Amazon, BBC, Cisco, CNET, IBM, JP Morgan, NASA, Yahoo! Major sites built with Ruby on Rails: Twitter, Shopify, Groupon, Bloomberg, Airbnb, Hulu and SoundCloud. Ruby on Rails allows you to create complete web application fast and easy. This 6 week Saturday BootCamp will get you started and put you on track to developing sophisticated web applications that are tied to a database backend.

Anna Chiang: Eva Bitar has conducted Professional Development Training for that past 30 years at various seminars and consistently at Los Angeles Valley College as part of the Media Arts Department, Job Training, and
the Paralegal and Legal Secretaries Extension program. For the HIB program, she proposes to offer a course that helps participants in structuring a program to continue their career.

**Eva Bitar** summarizes: Participants will gain the expertise needed to identify new opportunities and to launch an effective self-marketing campaign. This program will assist in planning their career direction and include a close examination of their work history and their needs and concerns. Participants can make a thorough evaluation of their interests, skills and abilities, identify options for the future, and present these options in a way that positions them well in the marketplace.

During the course, participants will develop an effective resume, and will have the opportunity to meet with me one-on-one and in a group setting. I will guide them in developing effective interview strategies and communication techniques that will enable them to present their most marketable skills and qualifications. This knowledge will immediately strengthen their job search process and provide a future mechanism for reviewing performance and job compatibility. The course is designed in six phases consisting of lecture format and hands-on assistance as follows: 1) Creating a Job Strategy 2) Evaluation Stage 3) Preparation Phase - Resume Guidelines 4) Understanding the Job Market 5) Cover and Follow-up Letters 6) Interviewing

**Milan Samplewala**: programming is an art, craft and science, I proposed to offer a workshop to cover the following topics: 1) Environment: We will explore the Control Structures with Visual BASIC, C++, Java, and Python, 2) Selection: We will use the flowchart for “Given a score between 1-100, assign a letter grade” using If then, If then else, and Case 3) Iteration: “Print numbers in ascending and descending order.” “Print list of primes from 1-100.” 4) Functions.

**Anna Chiang introduces Bill Williams** who talked about what does it take to become an Information Technology professional. As a director, he has reviewed many resumes for one position. So, what’s makes a better candidate? A solid technical background with industry standard certifications. These include focus areas such as networking, system administration, configuration management and virtualization (desktop and server). During his resume review process candidates that have coursework in computer science information Technology, and certifications are flagged for additional review.

Education and certifications play a major role in candidate selection, but that’s only one half of the equation. An IT professional should be able to demonstrate the ability to complete assignments, troubleshoot complex problems and provide options for resolution. Communication skills are also extremely important. The ability to document and present concepts to key stakeholders are very valuable skills.

**Munir Samplewala**: I am proposing a summer boot camp for Oracle Java Certification preparation

This is a complete study for OCA/OCP Exams 1Z0-803 and 1Z0-804, the audience is Students who have successfully completed C++ and Java or industry experience in working with Java. The Purpose is to validate and establish a baseline of students’ Java skills with Industry level.

**Bill Williams** talks about the major change in corporate IT landscape, for example, on-site data centers are shrinking, facility costs are increasing. To maintain cost controls, enterprises are moving 1) co-location centers 2) Cloud Services
Co-Location Centers are companies that specialize in providing data center space, they provide a full range of services (at a lower cost), connectivity to a variety of network transports (fiber cross connects, AT&T & Verizon). 

Cloud Services-companies moving to cloud services for email and collaboration, hosting email reduces hardware costs.

Admin staff may also be reduced, consulting services for onboarding will increase costs, assist in moving users to the new service, transition planning. About cloud services, the giant in cloud services is Amazon Web Services (AWS). AWS is the technology leader in the field.

IT Workforce-how have these changes impacted the workforce? 

New skill sets required, AWS Certifications add value, a solid network and security background is a plus, mobile device management.

IT Workforce-contract to hire has become a way to try before you buy, higher pay; limited benefits, can be terminated without notice

IT workforce-hired guns, can hit the ground running, normally provide an immediate impact, can lead to permanent employment.

**Marcus Butler**: Virtualization and cloud certificate program with 4 courses have been approved by the curriculum committee and Academic Senate, these courses can be offered in the fall starting - 973 an introduction – virtualization and cloud essential, CS975 –EMC Storage and 976 - v Sphere. Netlab allows us to create a robust curriculum.

**Anna Chiang**: Netlab has 20 security+ and 20+ ethical hacking and 20+ forensics lab exercises, it delivers 96% - 97% up time, we have adopted Netlab as the supplemental lab exercises to enhance our security curriculum.

**Anna introduces Selwyn Hollins** who is an executive officer with the Los Angeles Department of Transportation. He has served as a member of the department for 11 years, holding senior management positions over finance, administration, operations, and constituent services. His career is highlighted by the development of policies and innovations that have enhanced the organization’s information technologies, service delivery, staff accountability, and cost reductions. Prior to joining LADOT, Selwyn worked for 8 years with Los Angeles World Airports in landside operations managing ground transportation and parking services. He also served in various administrative capacities for the City of Los Angeles with the Personnel Department and Department of Water and Power. City of Los Angeles has provided server paid and unpaid internship positions to West’s students.

**Ken Taira**: At the direction of the ACM Education Board, convened a task force of subject matter experts from both academic and industry to define the core IT learning outcomes and the accompanying assessment rubrics which should be common to all associate-degree IT programs. ACM Outcomes listed in [http://www.capspace.org/IT.ACM](http://www.capspace.org/IT.ACM) Outcomes cited in creation of C-ID’s for Transfer Model Curriculum (TMC) at [http://C-ID.net](http://C-ID.net) 50 Model Course Learning Outcomes, MPCI and others urge alignment

Palo Alto Academic Alliance:

Dovetails well with CISCO and Windows Server Courses

Can Offer Trainings Essentials 1: Firewall Installation and Management (201)

Essentials 2: Extended Firewall Management (205), free Palo Alto Networks Virtual Machines, working VM’s not simulations
Similar feature sets across the product line, one free PA-200 Firewall Unit, training materials free for Instructors, students can access their extensive customer knowledge base and threat research articles.

Our District Uses Palo Alto Networks

Next-Generation Firewall

LACCD Uses Palo Alto Networks PA-4000 Series Advanced Firewall

See https://www.paloaltonetworks.com/customers/the-los-angeles-community-college-district.html

Pricing $40,000 - $80,000+ Filters 10 Gbps, our District Uses Palo Alto Networks, next-Generation Firewall

LACCD Uses Palo Alto Networks PA-4000 Series Advanced Firewall

See https://www.paloaltonetworks.com/customers/the-los-angeles-community-college-district.html

Ken Taira proposed course – Digital Forensics, different mindset than other IT classes, normal IT approach is to fix the problem and get the system back online, forensic approach is to preserve the integrity of the evidence, then fix the problem, evidentiary procedures, chain of custody, working with legal issues ethics, writing reports and being an expert witness, getting a legal perspective before going forward into penetration testing, an important part of cybersecurity competition.

CAOT

Anna Chiang and Pat Morris have agreed to offer CAOT79 and CAOT84 to avoid the schedule conflict with other paralegal stud for our students. The advisory finalizes the student learning outcome for legal secretary certificate program:

1. Use current and emerging computing technology to enhance business and individual productivities.
2. Be proficient in the use of general and specialized computer software and used in law offices and the courts.
3. Attend to details accurately in the preparation, perfection and assembly of appropriate forms, document, exhibits, and records.
4. Be knowledgeable of legal terms and definitions, and applicable federal and state laws, as they may pertain to the specialty practiced.

Anna Chiang thanked every committee member for attending the meeting and welcome any comments or suggestions related to our programs or courses at any time.

The meeting was adjourned at 3:00 pm