

CTC QUARTERLY BILT MEETING
Collin College, Frisco Campus
May 8, 2012

Attendees

Carolyn Corbin - Futurist
Carmen Fey - Dell
Kurtis Sampson – Phillips Medical
Kim Yohannan - EMC
Brenda Kihl - Collin
Larry Pereira – Alcatel-Lucent
David Nelson – Lansing CC
Earl Simpkins - Telecom Electric
Helen Sullivan - CTC
Candy Slocum - InterLink
Ernie Friend – Florida State Coll.
Zach Cernoch – Northwest Vista
Ann Beheler - CTC

John Hardesty - Collin
Eliazar Martinez – El Centro
Julie Hietschold - Collin
Tu Huynh - Comerica
Jim Lantrip - ADT
Lenny Portelli - Seminole
Jonathan Pulling - Lansing
Elizabeth Halweg – Fox Valley
Craig Tidwell – Seminole College
David Keathly – University of North Texas
Vickie Wintrich – Volunteer
Manuel Navarro – Northwest Vista

AGENDA**I. Welcome & Introductions: Tu Huynh, Acting BILT Chair**

- Tu opened the meeting for any comments before moving to the first agenda item.
- At this time Ann extended a personal “Thank You” to Lenny for all his time and devotion to helping CTC.

II. INDUSTRY TRENDS: Ann Beheler, CTC

- **Julie: BYOD** – Making sure everything works together and bringing more into the convergence area
- **Ann:** How is business dealing with everyone bringing everything to get to internet?
- **Tu:** Corp purchasing assets for employees....now looking at giving employee money to purchase their own device to attach to network and apps can be downloaded to their device
- **Julie:** Security side?
- **Tu:** Even though have access, build strict security so all devices on network are safe.
- **Ann:** How do you provide tech support for all the different devices?
- **David Nelson:** Required to provide their own tech support
- **Ann:** What happens if student has issue with device?
- **David:** instructor would lecture and student would take notes and then when device is available, would then add information/notes
- **Jerry Clay:** Lockheed Martin is looking to going to "cloud" and have issue with security related to government information/issues
- **David Nelson:** Hybrid cloud, would have some things on cloud and other things not on cloud. Have things which require more security on network and other information can be on the cloud. VMware uses this concept for cloud computing.

- **Feedback:** Give \$ to student and for example at Cisco they retain ownership of software
- **Tu:** Mixed model...
- **Carolyn:** Has there been any study of textbooks vs. on-line textbook on comprehension by student?
- **Ann:** Has heard nothing on comprehension
- **Feedback:** eBooks: they save money for student and publisher...looking to make the eBook more interactive versus an on-line version of the book. There are a few eBooks that can be "marked up." Instructors have "marked up" the books and provided this version to the student, but this puts the burden on instructor.
- **Candy:** Are the teachers being taught how to instruct in the new manner of technology? Is there going to be a gap.
- **Candy:** ISD has been using laptops for students and has pushed it down to middle and elementary schools.
- **Candy:** Has two children and students are assigned homework where they are asked to go on-line to get the eBook for study purposes. Mesquite school uses BLOG real time in a science class. Mesquite ISD is encouraging every teacher to get a website. Some schools are hiring people to help teacher with website. We're seeing a paradigm shift in how teaching is going to occur
- **Candy:** What happens when go from technology based teaching to old school teaching in college?
- **Feedback:** In many colleges there are professors creating more technology based teaching
- **Ann:** What does this mean for the technician? College is training. Is it more work, less work or just different
- **Feedback:** Believe it is different, must learn about more devices, etc.
- **Ann:** This BYOD is to continue
- **Carolyn:** IBM: A whole movement for "SMART" City. Should college work with the SMART City and utilize same system to hook in with businesses? Has anyone else heard about this concept
- **Jim (ADT):** Some small cities in US are doing this and there are some new small cities in other countries that are being built from scratch with this concept. Believe in US it would be difficult to change to "SMART" city, will probably go to wireless concept.
- **David:** Believe future hires will be technology savvy and they will make the changes? See email he sent.

III. TIGER TEAM MEETING RESULTS – Ann Beheler

- Had three meetings last week. Attendees got an email with the job skills information that is now on Wiki.
- **UC:** Key? -- do we continue to teach legacy technology...yes, as they will need to work with others who know legacy. Still a lot of legacy equipment out there.
- Heavy push on UC looking at the whole enchilada...students need to come out with this training. Key players (see notes from meetings). Do we teach the three major players? No, teach one and compare/contrast with others.
- Any comments: None
- **DATA Center Meeting:** Emphasis on virtualization. Need students to have a basic understanding of administration and management. (see notes from meeting)

- Question do we teach to one of the certifications? There are data center architecture with EMC and a Cloud Architecture with EMC, too. Heavy on concepts versus hands on....consider as a quasi-Capstone or Capstone class
- **Carmen:** Question about Data Center..Are we including anything around the new technologies...mixing in storage, virtualization. **Ann:** Yes, this is being taught already. **Carmen:** Is the transformation of the data center being taught? It is very much based on power consumption. **Ann:** Inviting Carmen to next Job Skills meeting to get more details for the data center training requirements as right now they are at a high level.
- **Combining Telecom, PSTN, etc. together:** Yes, it is all one thing and therefore needs to be combined. Larry had discussed new antenna technology especially in the wireless industry.
- **Larry:** Breakthrough in technology last year, but won't be available, etc. until 2013, so keep on radar for future training.

IV. NATIONAL BILT JOB SKILLS ANALYSIS MEETING MAY 21– Ann Beheler

- Part of Tiger Team Meeting
- Need more participants to sign up

V. STATUS OF NATIONAL CENTER GRANT PROPOSAL – Ann Beheler

- Sent invitations to join. DOL. Mobile Apps, Networking, Cyber Security and Geospatial technologies. Goal is to have 25 national representatives at the meeting and go through job skills. Would like attendees of this meeting to attend. Will meet as a group and then breakout into four groups.
- Will be held at Collin College, Frisco Campus at the new Conference Center. In rooms with whiteboards.
- Plan is to do job skills on the four IT specialties and then compare to curriculum and determine changes, etc. in order to move forward with training.
- Can individuals participate if not on-site? Yes each classroom will be set up with video/audio conference. If you are local, please do your best to attend in person.
- Going to resend the invitation to the meeting participants as lots of the emails went to spam.
- DOL is on a national basis. Capitalizing on DOL grant to be the umbrella for the national connections, but within the NSF will be working with 60 colleges to get a local BILT.
- Going to update the competency model as it is very outdated.
- Challenge is to go from where we are now and take steps toward building a strong virtualization foundation and into Cloud Computing. An introductory or basic Infrastructure class that covers all the topics, in this category is needed. A major part of infrastructure should be compliance.
- It was agreed that opportunity exists for graduate students in entry-level jobs and professionals wanting retraining, but this could depend on the track taken.
- There's a need to examine more deeply the Virtualization topic.

VI. UPDATES WITH PARTNER COLLEGES:

- **Eliazar:** Working Winter Connections and Summer Working Connections, and GreenIT Summit.
- Plan to continue to train high school and college ready students in IT..convergence, wireless security networking, web design, mobile devices.
- Plan to teach two classes in June and July 20 to 25 students each
- Plan to send students to training with Cisco
- **David:** Hosted a security conference with convergence technology center. Had about 95 registered and 80 attended. One day of double tracks. 12 speakers from industry and half from colleges.
- Robo camp - one to be held at Collin. Plan to do one for girls.
- Looking to do a mobile camp next year. Looking to Cisco, etc. for funding
- Had a group on mobile tracks working on an app and may be at the HI-TEC Conference. (Age group is middle and high school)
- A group had an app of tracking public transportation stops and they were invited to national transportation conference.
- Pending proposal with NSF to fund the BA-IT program on-line.

VII. UPCOMING WORKING CONNECTIONS AND HI-TEC CONFERENCE – Ann Beheler:

- Working Connections being held July 9-13. Most classes will be in Heritage Hall.
- DOL courses: Geospatial, Mobile Apps . Will be able to have up to 140 participants. Appreciate sponsors assisting us. Kim is providing a plastic cup, which keeps us in line with the "green" concept we encourage.
- HI-TEC in Chicago this year: Have four students attending. Anticipating 20 to 25 individuals to attend this conference. As we move to the national conference, need to work closely together to assure there is no duplication of efforts.

Final Comments from Tu: If you have any additions to the "Future Trends" discussion, please send to Helen or Ann to be added to the meeting notes.

Next meeting will be August 14th, 8:30am – 10:00am CST. Will be a video conference.