University Technology Fee Advisory Board Minutes
December 2, 2015—LSC Room 372-374

Attendance: Jake Loughridge, Chair, CoB; Jacob Taylor, Vice chair, CoB; Blaire MacNeill, Secretary, CVMBS; Alex Albright, ASCSU; KCHHS; Nicole Ramo, GSC; Johnny Roos, CAS; Adam Lynch, CNS; McKenzie Fulcer, CVMBS

I. Meeting Called to Order at 1:04 p.m.
II. Approval of Minutes from November 18 meeting postponed until December 9 meeting
III. Presentations
   a. Wireless Networking
      i. Are there any problems that you experience with the wireless?
         1. Student: The eID in the engineering building seems to be kicking people off of the server. Presenter: The engineering building is low down on the priority list for upgrades at the moment. It’s possible that it is just your device.
         2. Student: I hear a steady stream of complaints about the wireless in the dorms. Presenter: I have no say in that. That is not under our control. The dorm Wi-Fi uses about 8 gigabits per second. At night the capacity isn’t as good in the dining halls, working over break to improve that.
         3. Student: A positive is that iPhone are no longer getting kicked off of the Wi-Fi. Presenter: Yes, we were glad to have that problem solved.
         4. Student: Sometimes the eID activation does not connect fast at all. –That’s probably it checking the address of the check to make sure it’s a valid device. It typically takes under thirty seconds.
      ii. Current Status and Initiatives
         1. UTFAB allocated 517k
         2. Device peak: 25,000; device average during the day: 22,000; last year’s average was 17,000
         3. As of last year the wireless devices outnumber the wired
         4. 8.8% of people are using the guest network which is a problem because it is slower (not as much bandwidth)
         5. The guest network can get clogged up if too many people are on it
         6. Most of campus is modern, now using AC with 5ghz
         7. Three quarters of the students are using 5ghz instead of 2.4ghz
         8. Devices are making better choices about which wireless to use which is helpful but old devices still occasionally choose the slower one
         9. According to the data, iPhones are in higher use than Androids
         10. In Clark usage is mostly web services; in Morgan usage is mostly social media
         11. Want to focus on education and advertising; looking into digital signs and social media
            a. Facebook: www.facebook.com/csuwireless
b. Twitter: @csu_wirless

12. Building upgrades: on the website for reference (FY16 vs FY17) buildings prioritized by # of general assignment classrooms

13. On track of FY16 and started some for FY17

iii. Looking Forward

1. Projected: 100k finish 802.11 AC upgrade of Clark/Morgan
2. 90k: 100 more 802.11 AC Aps and some network infrastructure
3. 25k: maintenance
4. 25k: labor (hired CSU field teams, Aggie is delayed so it’s good that they used people from CSU or it would be much more expensive
5. $1707.58: advertising/education
6. Immediate plans: continue fill-in work (patching holes in wireless and start on some FY17 projects
7. Looking into using Raspberry Pi’s as a data collecting method for wireless
8. Raspberry Pi’s are small computers that would be used to measure the strength of the Wi-Fi in various buildings throughout the day; changes because humans absorb Wi-Fi very well
9. They are versatile and other institutions are looking into using them

iv. Questions:

1. Is there anything going on with outdoor Wi-Fi? There are certain places around campus that have it but it is weak at best. Continued conversation: Is this something that students want? The board thinks it would be useful in some areas like the transit center or plaza but that indoor wireless must take priority. –Will get quotes on what it would cost (maybe as a supplemental)
2. Would funding the Raspberry Pi’s take away funding from other projects? Not really since they are already ahead on projects
3. What is the best place to direct people about Wi-Fi? Send them to the IT help desk or the social media pages.

IV. Old Business

a. Approval of minutes from April 27, 2015 Meeting
   i. “I move to approve the minutes from May 5, 2014
      1. Vote
      2. Passed unanimously

V. New Business

a. Supplemental proposals: start at the next meeting
b. Printing: No hard numbers still
c. Bylaws committee: will continue next semester

VI. Next Meeting: Wednesday, December 9, 2015, at 1:00 p.m. LSC 324

VII. Motion to Adjourn

a. Approved at 1:41 p.m.