University Technology Fee Advisory Board Minutes
December 9, 2015—LSC Room 324

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 1:01 p.m.
II. Approval of Minutes from November 18 and December 2 meetings
   a. Approved

III. Presentations
   a. Supplemental Proposal –Information Systems, Bob Engmark Director of Information Systems
      i. Server funding request – UTFAB request $60,000
      ii. 10 year partnership collaborating on support for Aries (Banner student system)
      iii. Currently running Aries in IBM server and AIX unix platform
           1. Ten years ago CSU used multiple servers
           2. Five years ago it was a larger server using a virtual machine VM, split cost $500k (old upgrade)
      iv. Current configuration has wired, wireless and mobile through Aries web, all Banner applications run on a single server (billing, scheduling, etc.)
      v. Current hardware and operating systems are coming to “end of life”
           1. Continued usage will lead to an increase in fees for maintenance and support
           2. They always pay for five years of maintenance
      vi. Now we are reaching capacity with the current system (like the first day of school)
      vii. Current systems do not have the flexibility to adapt to the New Banner configuration
           1. Require purchase of more Oracle DB software –very expensive- which is why we need an upgrade because one new one costs 50 grand!
      viii. The new system will be more flexible to change things.
   ix. New Server environment: Intel server and Linux platform
      1. Has lower cost solution, multiple application servers with load balancing, greater flexibility to adjust to load demands, and greater redundancy to limit outages.
      2. The new configuration has a horizontal technology stack: instead of everything being on one server, every module will have its own (or multiple servers –like for registration).
   x. Solution why’s: purchased servers to support other business applications so it’s lower cost, Oracle DB licensing doubles in our favor because of the chip set, has greater flexibility to adjust key components as performance and usage requires, and has a lower impact
xi. Funding - in the process of investing another 180k in support of Aries
   1. Request funding for 60k to purchase two additional servers
   2. The funding will provide additional servers need to support Aries, currently have catalog and Faculty grading modules up and running
   2. Registration module is in the works including mobile registration
   3. These servers when banner XE is fully implemented will have committed 80-90 VM to run all of the modules
      1. The largest module is the database

b. Questions
   i. So when you unloaded the cores at the beginning of the semester do you think that is enough storage? Yes.
   ii. Is it possible to make people register at different times so that it’s not clogged?
      It was clogged because of the drop/add service (one student used four devices at time for example) there is no way to stagger that.
   iii. Why upgrade? We would rather meet the demand than have insufficient resources, the upgrade is better at monitoring and can add resources before we hit a wall.
   iv. Are most of the things we do now are on cloud? No they are on premise.
   v. Why can’t we house in cloud? It is how we have done it, looking towards cloud after this new upgrade is over with, run some things that don’t effect campus directly through the cloud (canvas).
   vi. So the transition has started? Yeah it will be pretty soon and we use cloud as backups.
   vii. I like that you looked at the lifecycle and replacement environmental stuff for a server, have you talked to IBM about taking them back after? No they are pretty much done after five years, mostly we try to recycle them in an environmentally conscious way. Surplus is who deals with that.

IV. Old Business
   a. Printing
      i. Becoming an individual college issue instead of a university one
      ii. ASCSU wants UTFAB to be supportive but it ultimately is a college decision.
   b. Bylaws committee: will continue next semester

V. New Business
   a. Discuss possible change in meeting times
   b. Look at possible fee increases

VI. Next Meeting: Wednesday, January 27, 2015, at 12:00 p.m. in LSC 322

VII. Motion to Adjourn
   a. Approved at 1:34 p.m.