Computer Science Advisory Board

Annual Board Meeting
April 29, 2011

Department of Computer Science
College of Science and Health
Agenda

• 12:30pm – 1:15pm: Lunch
• 1:15pm – 1:20pm: Introduction
• 1:20pm – 1:30pm: Welcome Remark (Dr. Jean Fuller-Stanley)
• 1:30pm – 1:40pm: Annual Report of the CS Program (Dr. Cyril Ku)
• 1:40pm – 2:00pm: Discussion: Effectiveness of the Advisory Board
• 2:00pm – 2:10pm: Break
• 2:10pm – 2:45pm: Industry Research Perspective (Dr. Jon Bentley)
• 2:45pm – 3:30pm: Discussion: Retention and Graduation Rate
• 3:30pm – 4:00pm: Discussion: Fund Raising
CS Program Annual Report

• New Web Address
  • cs-cit.wpunj.edu

• Re-location from Coach House to Science-East
  • Renovated Science-East will be done in early October
  • Classes start in Science-East in spring 2012

• ABET Accreditation
  • Re-accredited to 2014 (1 of 7 universities in NJ)
  • Eliminated 2 weaknesses and 1 concern but 2 concerns remained (objectives and assessments, faculty currency)

• CS Major Enrollment (Fall Semesters)
  • 2006 (121), 2007 (129), 2008 (117), 2009 (118), 2010 (144) – largest number of CS majors in 5 years
  • CS Minor: 2010 (3); CIS Minor : 2010 (1), 2011 (5 – unofficial)
CS Program Annual Report (Cont’d)

- **Course Development**
  - CS342 is now a 4-credit course
  - UCC (University Core Curriculum) – 6 Technology Intensive courses (CS201, CS215, CS230, CS240, CS350, CS480); 1 Writing Intensive course (CS480)

- **Program Development**
  - New CIT (Computer Information Technology) major
  - Proposal will be submitted by the end of this semester

- **Faculty Honor**
  - University Excellence Award in Research/Creative Activity (Dr. Kaufman)
Discussion Session: Effectiveness of the Advisory Board

• Effectiveness
  • Program accredited by ABET

• Timing and Frequency
  • Current: toward the end of an academic year, usually on the last Friday of April or the first Friday of May
  • More meetings? Whole day meeting?

• Communication and Attendance
  • Emails (very few responses)
  • About half of the board members attended annual meetings
  • Video conferencing or at least voice conference call

• Ideas?
Industry Research Perspective

Dr. Jon Bentley
(Distinguished MTS, Avaya Labs Research)
Dr. Jon Bentley is a computer scientist at Avaya Labs Research. His interests include programming techniques, algorithm design, and the design of software tools and interfaces. He has written three books on programming—including the engaging and insightful “Programming Pearls”—and articles on topics ranging from the theory of algorithms to software engineering. He received a B.S. from Stanford in 1974 and an M.S. and Ph.D. from the University of North Carolina in 1976, then taught Computer Science at Carnegie Mellon for six years. He joined Bell Labs in 1982, and retired in 2001 to join Avaya Labs. He has been a visiting faculty member at West Point and Princeton, and has been a member of teams that have shipped software tools, telephone switches, telephones and web services.
Discussion Session: Retention and Graduation Rate

• Very Low at University, College, and Department Levels
  • See handouts
  • Data before the 128-to-120 credits change

• Efforts in CS Department
  • Better communication with freshmen (problems with pre-packaging)
  • Better advisement (Applications: Early Alert System, Advisement Notes)
  • Advisement survey
  • Re-design Curriculum Control Sheet (in progress)
  • Publish course offering cycles (in progress)

• Ideas?
  • Please give feedback on our Retention Plan
Discussion Session: Fund Raising

• Department Funding
  • Operating budget
  • Lab fees (CS215 has recently been approved)
  • Grants (Dr. Kaufman’s NSF Indirect Cost, Dr. Su’s Lucent Indirect Cost)
  • Special funds from Provost’s Office (e.g., UNIX server; CSAB, UPE food expenses, etc.)
  • Others (e.g., Student Worker Funds from Dean’s Office)
  • Alumni donation (minimum amount, money held at CS&H)

• Funding Situation
  • Pretty good shape, not in financial crisis
  • Limited flexibility of what we can spend

• Ideas for Alumni Donation?
  • Maintain long term relationship with alumni (Scholarship and Professorship)
THANK YOU