

Enterprise Computing Topics in IT Programs

Or

How we accomplished that in RIT's
IT and Networking Programs

Defining “Enterprise”

- What is it?
- What is its current definition?
- How often does it change?
- What paradigms are involved?
 - Hardware
 - Software
 - Systems Administration

Faculty expertise

- Is the faculty prepared to teach enterprise-level material?
- Training opportunities
- Using industry experts to fill the knowledge gap (adjunct faculty)
- Tapping into industry collaboration such as an Industrial Advisory Board

Undergraduate program considerations

- Program outcomes analysis
- Student academic maturity
 - Program year
 - Job/internship experience
- Laboratory equipment availability
- Networking infrastructure
- Software availability
- Software licensing

Graduate program considerations

- Program outcomes analysis
- Student parameters
 - Nationality
 - Job experience
 - Future employment
- Laboratory equipment availability
- Networking infrastructure
- Software availability
- Software licensing
- Distance offering issues

Adding enterprise topics into existing courses

- What topic complexity?
- What the new material replaces (something inserted means something else deleted) in the course
- Topic focus prerequisites (are students ready?)
 - Technical
 - Conceptual (goes back to the definition of enterprise)
- Comparison to other platforms/processes
- Where in the program schedule is the course?
- Approval by Ed. Dept. or accrediting body

Designing brand new courses

- Does this change the nature of the program?
- Approval by Ed. Dept. or accrediting body
- Where in the program schedule is the course?
- What is the course focus?
- Tying it into previous coursework
- Is there enough material for an entire course?
- Core or elective decision
 - Important that every student grasps the material
 - Part of a concentration area as an advanced track
 - Multiple courses in a sequence

Could we be talking about a new degree program?

- Again, program outcomes analysis
 - What will students know upon graduation?
- Is enterprise computing a radical shift from the previous program content?

Wrap up & questions

- Contact
 - Lawrence.Hill@rit.edu

rit.edu website

ist.rit.edu website