Engineering Student Technology Committee
Technology Fee Project Proposal
Must be submitted on or before April 16, 2000

Please use this form to request technology fee expenditures for equipment in classrooms, computer laboratories, or other instructional or research laboratories, in keeping with the State Board of Agriculture Charges for Technology Manual guidelines found at http://www.colostate.edu/services/acns/itec/fee.html.. Technology committee members are available for assistance, the names of whom appear in Section IV. Also see Section IV for submission information.

Section I. Overview

1. Project Type
   - ❑ departmental project (requested against departmental fund allocation)
   - ☒ other project (may be for a single department or college-wide, but request is against central funds)
     ($83,000 is available for other projects; see department heads for department allocation amounts.)
2. Title of proposal
   College of Engineering Web Server Replacement

3. Submitted by (Name & contact information of primary submitter(s) – up to three)
   C. J. Keist, UNIX/Network Administrator for ENS, Phone: 1-0630

4. Proposal supported by*
   Mark Ritschard
   Christina Nimo
   David Bolinder
   Janelle Barker
   Gino Felix
   Brad Marples
   Mark Van Noy
   Craig Mapel

* Proposals with wide-spread support from a cross-section of the college will be given preference. Although this form may be submitted electronically with a list of supporters, actual signatures are required for all supporters beyond the original submitter(s).

5. This project request
   - ❑ does not pertain to facilities or equipment
   - ☒ is to maintain and/or upgrade existing facilities (replacement equipment only requested)
   - ❑ is to augment and maintain existing facilities (some new equipment requested)
   - ❑ is to provide a new facility (all new equipment requested)

6. Brief summary of proposal (Please limit answer to no more than three paragraphs)
   The Web is becoming more and more an important tool in our everyday lives. Currently the Engineering web server is running on an HP712/60 UNIX workstations that is over seven years old. The web server has really gone beyond what it can support in terms of new web page technologies that are being developed everyday.

7. Location for proposed equipment:
   Will be located with the rest of ENS server in E7 of the Engineering building.

8. Equipment requested (complete only if proposal is for equipment and/or software):

Specific equipment needed	number requested	unit cost	total cost
HP Visualize B2000		4,935.00	
Key Board		60.00	
18Gb system hard drive		925.00	
			5,920.00

Specific software needed	number requested	unit cost	total cost
None			

Total cost: $ 0.00

Section II. Pedagogical considerations

1. What are the pedagogical goals of this proposal? (Please limit answer to no more than three paragraphs)
   The Web has become a necessary tool for both Professors and Students. With the web Professors have a more effienct way of getting their class material to their students. For students, the web provides an important tool for developing their own personal web pages, a centralized place to share data for research groups, and provided a place for student organizations to promote their activities.

2. Why is the equipment requested appropriate for the goals stated in #1, above?
   (complete only if proposal is for equipment and/or software):
   With the Web Professors can more easily get information out to their students, no matter where they might be. With long distant education becoming more prominent, a robust web server is going to be needed in order to fulfill this growing demand.

3. How will the attainment of the goals in #1, above, be measured and who will do the measuring?

   With the large increase in computing power, the web server will be able to handle more specialized needs by the college departments and students. Also with the faster network connection there will be a huge increase in the amount of data that can be downloaded from the server. Which means much quicker access times when viewing the Engineering web pages.

4. Planned course/research benefit:
   Course No/Research projects Number of students affected/semester

   All engineering courses, faculty and students I feel would benefit from the new web server.

5. What other courses/departments in the college will be able to use this facility for instructional use?
   (complete only if proposal is for equipment and/or software)

   All depts in Engineering will have access and the right to space on the new web server.

6. What functionality will this equipment provide that is not already available elsewhere in the college?

   With the new web server, we will have more computing power to better serve the new and emerging technologies for web development.

7. How many hours per week (M-F, between 7am and midnight) will this equipment be accessible for general student use? (complete only if proposal is for equipment and/or software)

   24hrs 7 days a week.

8. How will students be made aware of this project? (complete only if proposal is for equipment and/or software)

   This could be announced via the ENS main web page.

Section III. Operation, Maintenance, and Funding

1. Complete either A or B:

   A. If this request is for student employee wages, who will be the supervisor of those students?
   (the supervisor must sign here if name does not appear in Section I, #2 or #3)

   B. If this request is not for student employee wages, who will be responsible for oversight and any installation, ongoing maintenance, or repair for this project?
   (the responsible party must sign here if name does not appear in Section I, #2 or #3)
   ENS will be responsible for the administration and maintenance for the new web server.

2. What operation & maintenance services would be needed from ENS staff? from department staff?

   ENS will be incharge of the administration and maintenance of the server it self. The departments will still be incharge of maintaining their department web pages.

3. What modifications of current space will be necessary to install the new equipment? (remodeling, wiring, security, furniture, etc.)

   None.

4. Source of funding for the modifications in #3, above:

   N/A

5. Estimated cost of operational expenses (supplies, maintenance, supervision, student assistance, etc.):

   HP-UX operatings system support is 137.14/year.
   Hardware support, next day, 700.00/year

6. Source of funding for the expenses in #5, above:

   ENS budget.

7. What other sources of funding (and how much) exist for this project (outside grants, equipment donations, reallocation of existing equipment, etc.)?
   N/A

8. What attempts have been made to obtain the funds in #7, above?
   N/A