

NDSU Technology Action Plan

I. Submittal Form

NDSU ORGANIZATION OR UNIT			
NDSU Libraries			
TITLE OF PROJECT			
Additional Main Library Public Machine			
Project Duration	From: 7/1/2009	To: 7/12/2010	
Type of Project (Check one)	<input checked="" type="checkbox"/> New X	<input type="checkbox"/> Previously Submitted	<input type="checkbox"/> Renewal
Total Technology Fee Request \$949.00			
Project Director Jeremy Brown	Campus Address: NDSU Dept 2080 Phone: 701-231-1050 Fax: 701-231-6128 E-mail: Jeremy.brown@ndsu.edu		
Name (Type or Print)	Signature	Date	
Project Director Jeremy Brown			
Unit Head Dean Michele Reid			

Executive Summary (maximum of 175 words)

The NDSU Libraries deployed a single public machine in the Spring of 2008 to accommodate users wishing to search library resources. The machine is locked down according to NDSU/NDUS security specifications, and only allows access to a selected number of paid library resources, as well as web sites hosted by NDSU. This machine, along with the other computers in Library 118, sees significant use.

Since the 2008-2009 academic year, public machines in Library 118 have seen increased use with extended peak usage times. The purpose of this proposal is to upgrade the existing unit and purchase a second unit.

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II. Project Overview

1. How does this project meet student needs?

This project will provide a second workstation that will meet the vast majority of student research needs at the library. These machines do not allow for casual web browsing, and allow users to pursue core research activities.

2. What audience does this project directly serve? What audience is indirectly served? How many students are affected?

This project directly serves the entire student body at NDSU.

3. For projects that target a subset of NDSU's students, please describe the possibility for broader application in the future.

This project serves all NDSU students.

4. Describe the both immediate and long term impact of this project.

Because it does not allow casual web use, the existing machine is available for usage focused on core library research tasks.

5. Who will pay for ongoing expenses following the technology fee funded portion of this project (e.g., who will replace hardware or software after it has reached it's end of life)?

The hardware funded by this project should have a 3-4 year useful life. The Libraries will take on future funding for this project.

6. Describe how this project will follow best practices in information technology and who in ITS was consulted regarding this project?

NDSU Library staff met with a number of ITS staff to discuss public machine security. Included were: Dr. Jeffrey Gerst, Theresa Semmens, Lincoln Bathie, and Melissa Stotz.

7. What service on campus is most similar to the one proposed here? How does this project differ?

The cluster machines deployed in Library 118 are the most similar to the proposed deployment here. However, the machine that would be deployed as a result of this proposal would not allow unrestricted Internet access and would not have productivity software installed on it.

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III. Project Description

The NDSU Libraries deployed a public workstation in the Spring of 2008. The purpose of this machine is to allow users sufficient access so they are able to quickly look up a book's location or perform quick research using library-funded electronic resources. This machine is one of the few on campus that can be used at the beginning of the semester for students to access Campus Connection before they have received their login credentials.

The firewall on this machine is configured in such a way that the machine is only able to access selected library-paid resources, including the most frequently accessed databases and as many full text content providers as possible. The machine is configured to only allow access to a web browser and PDF viewer. Users may print to the Go-Print queue in Library 118.

The currently deployed machine is a Mac mini running Mac OS X 10.4. The package is convenient because the MacOS includes functionality to make it tamper resistant out of the box using a combination of user and file system permissions and the robust IPFW2 firewall.

We propose purchasing an additional Mac mini running Mac OS X 10.6, monitor, keyboard and mouse as well as an additional license to Mac OS X 10.6 for the first machine so that both machines are identical for easier maintenance.

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IV. Milestones

List the date for each project milestone. These milestones should represent the **significant** accomplishments that will be associated with the action plan. For each milestone, please indicate its expected outcome and the means for assessing that outcome. (The table may be extended if the number of milestones exceed five.)

	<u>Date</u>	<u>Milestone</u>	<u>Expected Outcomes</u>	<u>Means of Assessment</u>
1.	1/2/2010	Receive funding		
2.	1/3/2010	Order hardware		
3.	2/1/2010	Receive/configure hardware	Two fully functional public workstations	Staff testing and monitoring
4.				
5.				

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V. Supporting Documentation

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VI. Budget

Edit the dollar amounts in the “clear fields.” (click in area so that it appears “gray,” then edit) The “darkly shaded fields” can perform arithmetic. Simple use Ctrl A to “Select All” and then press function key 9, F9.

NDSU ORGANIZATION OR UNIT		
NDSU Libraries		
PROJECT DIRECTOR(S)		
Jeremy Brown		
A. Salaries and Wages (Number)	Number of Months	FUNDS REQUESTED
1. Staff (0)	0	\$ 0.00
2. Graduate Students ()	0	\$ 0.00
3. Undergraduate Students ()	0	\$ 0.00
B. Total Salary and Wages (Sum A.1., A.2., and A.3.)		\$ 0.00
C. Fringe Benefits		\$ 0.00
D. Total Salaries (Sum B and C)		\$ 0.00
E. Equipment (List each item; include installation and maintenance costs in your estimates)		
1. Mac mini		\$549.00
2. 19" LCD Monitor		\$200.00
3. Additional license of Mac OS X 10.6 for existing machine		\$30.00
4. Keyboard		\$30.00
5. Mouse		\$15.00
F. Total Equipment (Sum items in E.)		\$ 824.00
G. Materials and Supplies (List each item)		
1.		
2.		
3.		
4.		
5.		
H. Total Materials and Supplies (Sum items in G)		\$ 824.00
I. Total Salaries; Equipment; Materials and Supplies (Sum: Line D + Line F + Line H)		\$ 824.00
J. Total Technology Fee Request		\$ 824.00
K. Match (Describe in Match Section)		\$ 125.00
L. Total Project Expenditure (Sum: Line J + Line K)		\$ 949.00
Name (Type or Print)	Signature	Date
Project Director Jeremy Brown		
Unit Head Michele Reid		

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VII. Budget Justification

This budget will result in a cost effective and secure publicly accessible workstation that is designed for brief usage. The NDSU Libraries' IT staff have experience in locking down this specific configuration which makes this more cost effective than purchasing an alternate platform and additional software licenses.

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VII. Budget Match

NDSU Libraries IT Department staff will set up and deploy the workstation. This is estimated to take 5 hours. At \$25/hour this amounts to a match of \$125.00.