# Technology Fee Award Budget Report
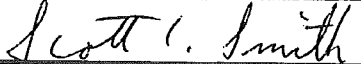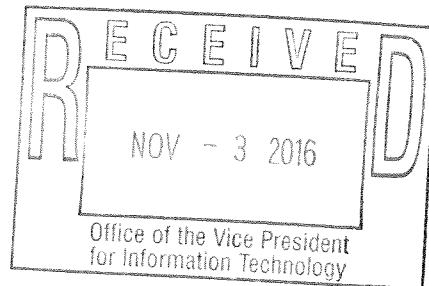## Part 1 of 2: Budget Summary

| NDSU ORGANIZATION OR UNIT | | Award No.: 1609 | | Fund No.: 19232 | |
|---|---|---|---|---|---|
| ECE | | Report Period: | | | |
| PROJECT DIRECTOR(s) | | | | | |
| Eric Christianson and Scott C. Smith | | | | | |

| A. Salaries and Wages (Number) | Number of Months | FUNDS REQUESTED | FUNDS AWARDED | FUNDS EXPENDED | BUDGET BALANCE |
|---|---|---|---|---|---|
| 1. Staff ( ) | | | | | |
| 2. Graduate Students ( ) | | | | | |
| 3. Undergraduate Students ( ) | | | | | |
| B. Total Salary and Wages (Sum A.1., A.2., and A.3.) | | | | | |
| C. Fringe Benefits | | | | | |
| D. Total Salaries (Sum B and C) | | $0.00 | $0.00 | $0.00 | $0.00 |
| E. Equipment (List each item) | | | | | |
| Remote Access Server (Dell Precision Rack 7000) | | $19,238.00 | $19,238.00 | $19,180.00 | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| F. Total Equipment (Sum items in E.) | | $19,238.00 | $19,238.00 | $19,180.00 | $58.00 |
| G. Materials and Supplies (List each item) | | | | | |
| Client Access Licenses to support 50 simultaneous users | | $959.50 | $959.50 | $1,017.50 | ($58.00) |
| Server Cable for integration with ECE's existing server rack and console | | $46.00 | $46.00 | $46.00 | $0.00 |
| | 3 | | | | $0.00 |
| | 4 | | | | $0.00 |
| | 5 | | | | $0.00 |
| H. Total Materials and Supplies (Sum items in G) | | $1,005.50 | $1,005.50 | $1,063.50 | ($58.00) |
| I. Total Salaries; Equipment; Materials and Supplies (Sum: Line D + Line F + Line H) | | $20,243.50 | $20,243.50 | $20,243.50 | $0.00 |
| J. Total Technology Fee Request | | $20,243.50 | $20,243.50 | $20,243.50 | $0.00 |
| K. Match | | | | | |
| L. Total Project Expenditure (Sum: Line J + Line K) | | $20,243.50 | $20,243.50 | $20,243.50 | $0.00 |

| Name (Type or Print) | Signature | Date |
|---|---|---|
| Project Director: Eric Christianson | | 10/25/2016 |
| Unit Head: Scott C. Smith | | 11/3/2016 |

# Technology Fee Award Budget Report
## Part 2 of 2: Specific Details

### Milestones

| Milestone | Expected outcome | Actual Outcome | Means of assessment |
|---|---|---|---|
| Purchase Server and Security Software | Server and Security software purchased | Server and Security software acquired | Server purchased, software acquired |
| Install Server and Software | Server and Software have been installed | Server and Software installed | System is installed |
| Test System with Faculty and Grad Students working over summer | System completely functional by end of summer | System functional | System tested by IT and faculty |
| Rollout system for access by all NDSU ECE students and faculty | System fully operational and available to all NDSU ECE students and faculty by Fall Semester 2016 | System fully operational | System is functional and has been announced for use by students |
| System utilized by NDSU ECE students | System utilized by NDSU ECE students | Students utilizing new system | Students have been utilizing system based on server logs |

### Equipment

| Equipment | Quantity | Cost/Item | Total Cost |
|---|---|---|---|
| Dell PowerEdge T630 Server | 1 | $19,180.00 | $19,180.00 |
| KVM cable for rack use | 1 | $46.00 | $46.00 |

### Materials & Supplies

| Item | Quantity | Cost/Item | Total Cost |
|---|---|---|---|
| Microsoft Remote Desktop Services client licenses (cost was split to use funds remaining from TFAC grant with overrun covered from ECE department funding source) | 50 | $29.00 | $1,450.00 |

### Project Overview/Budget Summary

Currently the system is functioning as intended. The server was purchased in late April, and some simple testing was done to find a security solution as Duo was much too expensive. The utilized solution is called EvlWatcher and essentially scans the Event Logs for failed logins which then leads to a ban of that IP address being able to connect. The initial full rollout availability to students was on September 9, a couple weeks after intended due to delays in acquiring the Remote Desktop client licenses (resulting from failed communication from vendor to indicate availability). As of now the system is functioning as intended. ECE paid the extra $432.50 needed to purchase the 50 Remote Desktop client licences required to complete this project.