



BETA THETA PI

**Alpha Tau Chapter
Technology Grant Application
Printing System Project Plan**

Version 3.0

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1 Introduction

1.1 Document Overview

The purpose of this document is to give a clear understanding of the goals, benefits, and costs associated with the printing system plan. It is designed to provide clear justification for the use of educational funds for this particular project.

The intended audience of this document is the Alpha Tau chapter at large, the Alpha Tau chapter housing corporation board, and the Beta Theta Pi general fraternity. While the official Beta Theta Pi Foundation Technology Grant Application Form lists a letter describing the educational use of the grant and vendor invoices or estimate proposals as two of the required items for the use of educational funds, we believe this form of document more clearly explains our proposed use of funds.

1.2 References and Applicable Documents

In the course of this proposal there are many other documents which may be referenced. This section is intended to provide a better understanding of where to find those documents. Referenced documents include:

- Beta Theta Pi Foundation, Technology Grant Application Form
- Technology Grant Application, Appendix A
 - Pictures of current printing setup, pgs 5-9
 - Proposed desk drawings, pg 12
 - Estimate from Bob Northrup regarding desks, pg 13
 - Estimate from Newegg.com regarding printers, pg 15
 - Letter of Support from Dr. James Griesen, pg 21

1.3 Definitions, Abbreviations, and Acronyms

For the sake of brevity, many terms and names are shortened in this document. This section provides a clear reference of all abbreviations used in the document. Terms used in this document include:

- Alpha Tau, local chapter, or the chapter – the Alpha Tau chapter of Beta Theta Pi at the University of Nebraska-Lincoln
- Education fund – the Beta Theta Pi Foundation education fund for the Alpha Tau chapter
- House corporation, house board, local alumni, or alumni – the housing corporation board members for the Alpha Tau chapter
- PSPP – printing system project plan
- BTC – Beta Technology Consortium

2 Scope and Goals Summary

The scope of this project is to increase Beta's ability to produce professional documents, specifically both black and white as well as color documents. The current condition of the printing system is outlined in section three of this document. Essentially, the chapter is looking to replace the aging black and white laser printer and to add a color laser printer.

The goal of the project is to facilitate learning, specifically:

- Allow Betas to produce professional looking documents
- Integrate the new printer into the existing printing system, allowing authorized Betas to print from anywhere on campus
- Decrease the need for personal printers, all of which are inkjet-based printers and produce inferior documents
- Provide redundant printers in the case of either printer failing

We expect the laser printers to be used mostly by current chapter members, as both paper and toner are paid out of chapter funds. Of course limited use within reason will be given to non-Betas. We envision the printers being used by chapter members, and also on a very limited basis, student organizations with ties to Beta, students affiliated with Beta or friends of Betas, and Beta alumni. We see this new printer providing expanded educational opportunities, and we believe this gives clear justification for the use of the educational fund for this project.

3 Current Conditions

On or around May 11th, 2005, the chapter's existing HP LaserJet 2100 began to show signs of failure in the form of frequent paper jams and misprinted documents. The decline continued for several days until the printer became unusable. This is not unexpected, as the existing printer was far undersized for the volume of printing Alpha Tau regularly encounters. Currently, the printing system employed by Alpha Tau consists of:

- 1 Konica 7020 black and white copier
- 1 Konica Ethernet print server
- 1 server providing among other things, print queue management and authentication

Appendix A includes figures which show the current printing system setup of Alpha Tau.

4 Requested Items

This section is intended to outline a list of items requested by Alpha Tau, each item's associated cost, detailed descriptions of each item, and a total cost for the project.

4.1 Furnishings

Furnishing requested for the printing system includes:

- **1 built-in desk providing a central place for both printers, \$892.35**

The subtotal for all furnishings is \$892.35.

4.2 Equipment

Equipment requested for the printing system includes:

- **1 HP LaserJet 1320TN (Black and White), \$579.98**
- **1 HP LaserJet 2600N (Color), \$299.98**

The subtotal for all equipment is \$879.96.

4.3 Additional Costs and Total

Additional costs include any installation costs for the built-in desk charged by Bob Northrup. Electrical power for the devices is already provided in the desired location, so electrical work will not be necessary.

In total, the project is expected to cost \$1,772.31. Since all numbers are currently estimates, and additional unexpected things may happen in the project, we request \$1,800.00 from the education fund. This amount will be kept separate from other funds, and any excess money not used in the project will be returned to the education fund for future use.

5 Organization Plan

The idea for this project was conceived over the course of many meetings of the Beta Technology Consortium. The BTC was founded in the fall of 2003 to be a group of individuals led by the chapter technology chair to help recommend technology improvement plans in the house, and to help in the development and maintenance of the chapter website. The BTC is firmly behind this plan for color laser printing.

The project is being headed by the chapter technology chair, Mark Antonson. Greg Walklin, the former chapter president, has also been responsible for helping Mark bring this project forward through administrative support and editing of this document. Additionally, the BTC has given much input to this project.

6 Project Plan

The plan for this project is as follows:

- Rough-draft of project proposal without details completed February 12th, 2005
- Met with Bob Northrup to discuss project February 23rd, 2005
- Met with Dr. James Griesen to discuss project and request letter of support completed March 4th, 2005
- Letter of support from Dr. Griesen received March 28th, 2005
- Met with the housing corporation to discuss project and gain preliminary approval May 30th, 2005
- Met with Bob Northrup December 20th, 2005
- Project proposal finished with all item estimates and project costs September 26th, 2006
- Met with the housing corporation to approve final project plan and receive formal resolution September 29th, 2006

- Submit completed application to the Beta Theta Pi Foundation by March 1st, 2007
- Work to be completed spring/summer 2007