Tau Beta Pi
Indiana Epsilon Chapter
Trine University
Project Reports 2014-2015
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The Tau Beta Pi Association  
Chapter:  IN E  
Project number:  1  

Project name: Community Expo  
Date(s) of Project:  August 28, 2014  

Project  Community/ Liberal Culture  University/ College  Profession/ Engineering  
Area:  Chapter/ Social  Education/ Prof. Dev.  K-12/MindSET  

Number of persons who participated in this project  
Members:  2  Electees:  0  
(Please attach a list of names.)  

Hours spent on this project.  
Organizing:  0.5  Participating:  2  

DESCRIPTION:  
I. General Description:  Organizations from around campus and the community set up tables in the University Center to help promote themselves to students who pass by.  

II. Purpose & Relationship to Objectives of TBP:  The purpose of this expo is to familiarize strive for underclassmen to Tau Beta Pi. Knowing that such an honor society exists gives them something to in the upcoming years.  

III. Organization & Administration:  (in conjunction with another group?)  Yes  No  

Student services sets up all of the tables and chairs in the UC. Sign up was via email. One table and two chairs were set up. In the front of the table was a Tau Beta Pi logo sign, a bent paperweight, and a ribbon. Handouts were as follows. Starting at the left end of the table, we had the engineering code of ethics; several TBP wallets with enclosed general TBP brochures, Engineering Futures brochures, bookmarks, and creed cards; and finally bookmarks and creed cards.  

IV. Cost & Personnel Requirements:  No associated cost. One member set up; two members sat at the table.  

V. Special Problems:  Many engineering underclassmen did not approach the table. We suspect this was because they thought they wouldn’t have a high enough GPA to make it into the organization by their junior year.
VI. Overall Evaluation/Results (Be Specific): A total of seven non-members approached the table and talked to the current members. Some took our handouts while others did not.

VII. Index of Exhibits: No exhibits.

VIII. Attendance:

Members:
1. Christie Hasbrouck, President
2. Joshua Peters, Recording Secretary
3. 7 nonmembers
The Tau Beta Pi Association
Chapter Project Report

Project name: Officer Meeting 1 Date(s) of Project: 09/17/14

Project Community/ Liberal Culture University/ College Profession/ Engineering
Area: X Chapter/ Social Education/ Prof. Dev. K-12/MindSET

Number of persons who participated in this project
Members: 3 Electees: 0

(Hue attach a list of names.)

Hours spent on this project. Organizing: 1 Participating: 1

DESCRIPTION:
I. General Description: An officer meeting to plan what will be required of electees this semester and to set dates for all of the meetings and events of the semester.

II. Purpose & Relationship to Objectives of TBP: We make sure that all of the required meetings and events are planned well ahead of time, and that the electees really show that they want to be a part of Tau Beta Pi before joining.

III. Organization & Administration: (in conjunction with another group?) Yes No

The president organized the meeting and the itinerary.

IV. Cost & Personnel Requirements: No cost or additional personnel required.

V. Special Problems: No special problems.

VI. Overall Evaluation/Results (Be Specific): Went well and was productive. Scheduled dates for orientation, election, bent polishing, initiation, an engineering futures session, and a graduate school seminar. Also came up with an essay topic and other requirements for electees.

VII. Index of Exhibits: Meeting minutes.

VIII. Attendees: Christie Hasbrouck, President; Joshua Peters, Recording Secretary; Dustin Arvola, Treasurer; Dr. Ryan Overton, Chief Advisor.
Meeting Minutes

Meeting: Officer meeting
Date: Wednesday, September 17, 2014

Attendance
1. Christie Hasbrouck – President
2. Dustin Arvola – Treasurer
3. Joshua Peters – Recording Secretary
4. Dr. Ryan Overton – Chapter Advisor

Topics

1. Chose dates and times for meetings
   - Orientation
     - Wednesday, October 8, 2014 @ 7:00 PM in FW 125
     - Have candidates send Dr. Overton their schedules to work out bent polishing
   - Election
     - Wednesday, October 22, 2014 @ 8:00 PM in FW 125
   - Initiation
     - Wednesday, November 12, 2014 @ 7:00 PM in FW 125
   - Effective Presentation Skills-Engineering Futures Session (Melissa)
     - Saturday, October 25, 2014 @ 9:00 AM in Digital Classroom
     - Request Student Senate funding for pizza & drinks
     - Backup date for online form: Sunday, October 26, 2014 @ 11:00 AM
     - Send flyer to all engineering students
     - Post flyer around Fawick
   - Grad School 101
     - Wednesday, October 22, 2014 @ 4:00 PM in FW 112/117
     - Request Student Senate funding for pizza & drinks
     - Send flyer to Dr. Canino
     - Post flyer around Fawick
   - Bent polishing
     - TBA-based on electee schedules
     - If electee is unable to make it, have them go to Joe Thompson for special project
   - Tutoring Sessions (Craig)
     - Let Christie know at least 5 days in advance to schedule a room and email TBP members

2. What will be required of the electees?
   - Essay: “Why do you want to be a part of Tau Beta Pi and how do you plan to contribute to this honor society?”
   - Bent polishing (or project with Joe Thompson)
   - Engineering Futures Session
The Tau Beta Pi Association
Chapter: IN-E

Chapter Project Report

Project name: Letters from the dean’s office  Date(s) of Project: September 26, 2014

Project area:
Community/ Liberal Culture  University/ College  Profession/ Engineering

Area:
Chapter/ Social  Education/ Prof. Dev.  K-12/MindSET

Number of persons who participated in this project
Members: 2  Electees: 0

Hours spent on this project.
Organizing: 0.5  Participating: 2.5

DESCRIPTION:

I. General Description:
Letters from the dean were sent to each eligible student and their parent(s) for this semester.

II. Purpose & Relationship to Objectives of TBP:
The letters from the dean are sent to give a professional impression of Tau Beta Pi and attempt to convince more eligible students to join.

III. Organization & Administration:
Upon receiving the eligibility list, letters were customized, printed, signed by the dean, put into envelopes with Tau Beta Pi brochures, and mailed to the students and their parent(s).

IV. Cost & Personnel Requirements:
No direct cost to the chapter; the dean’s office covered envelopes and postage. Only other personnel required were the dean and his secretary.

V. Special Problems:
Problems encountered were students on co-op who didn’t have campus mailboxes and people from other computers continually printing on our envelopes while we were trying to print addresses.

VI. Overall Evaluation/Results (Be Specific):
It is impossible to tell how many people joined because of receiving this letter. However, I believe it gave a good impression to Tau Beta Pi.

VII. Index of Exhibits:
Letter from the dean template.

VIII. Attendance
1. Christie Hasbrouck – President
2. Craig Smallegan – Corresponding Secretary
3. Letters sent to 27 eligible students and 27 sets of parents
The Tau Beta Pi Association
Chapter Project Report

Project number: 4

Chapter: IN-E

Project name: Electee essays

Date(s) of Project: October 8-19, 2014

Project: X Community/ Liberal Culture ___ University/ College ___ Profession/ Engineering
Area: ___ Chapter/ Social ___ Education/ Prof. Dev. ___ K-12/MindSET

Number of persons who participated in this project
Members: 0  Electees: 13

(Please attach a list of names.)

Hours spent on this project. Organizing: 1  Participating: 1-2

DESCRIPTION:

I. General Description: Each electee wrote an essay on the topic “Why do you want to join Tau Beta Pi and how do you plan to contribute to this honor society?”

II. Purpose & Relationship to Objectives of TBP: These essays allowed current members a basis from which to judge the electees’ character and reasons for joining.

III. Organization & Administration: (in conjunction with another group?) ___ Yes  ___ No

The officers and head advisor come up with an essay topic each semester to judge the electees' character and reasons for joining TBP to make sure they are sound.

IV. Cost & Personnel Requirements: No cost or personnel requirements.

V. Special Problems: No problems encountered.

VI. Overall Evaluation/Results (Be Specific): The essays were sent to all current members for review before the election meeting. The members were able to form an opinion on the character of each electee before they voted to elect or not elect them.

VII. Index of Exhibits: Essays from the electees.
VIII. Participation
1. Jacob Leopold
2. Kyla Dietrich
3. Kirstan Scott
4. Mitchell Herber
5. Natalie Grames
6. Shelby Frailey
7. Emily Dunn
8. Jennifer Jackemeyer
9. Ethan Maust
10. Jacob Haller
11. Jaime McCarrell
12. Maxwell Frame
13. Anne Mammel
Why I Want to Be a Tau Beta Pi?

A Swedish entrepreneur named Niklas Zennstrom quoted, “Surround yourself with smart, dedicated people – to build something isn’t a one-man show. It’s more important to have smart people who really believe in what you’re doing than really experienced people who may not share your dream.” This quote says a lot to me, who you surround yourself with matters. I believe that it is important to surround yourself with people that will challenge you and push you to reach your full potential. Being part of Tau Beta Pi would allow me to be part of something that will help me make a difference in this world. Personally, that is my goal in life. I want to know that I helped increase the quality of life for citizens, it may seem large but I know with dedication, preservation and a strong support group it is possible. When a group of bright, dedicated individuals with a common goal get together there is nothing in this world that can stop them. I want to be part of Tau Beta Pi because I want to be part of something big, something important and something that will help me grow as an individual.

With every group of individuals there are many ideas circulating but not every idea is heard. I believe that everyone has a voice that needs to be heard. As part of this honor society I will help everyone’s voice be heard. Pursuing a degree in Biomedical Engineering involves taking classes from multiple fields of engineering; from this I have learned how different engineering backgrounds promote a slightly altered train of thought. Tau Beta Pi is the only engineering honors society that recognizes all engineering professions. Allowing this mix of voices and ideas will cause generation of ideas that will lead to great things. The world was created with a mix of many different types of individuals; introverts and extroverts, leaders and supports, patience and impatient individuals. When a group can encompass all of these types of people they can reach past the like-minded group. This may sound like it contradicts what I stated early about the common goal, except a common goal can have many paths that can be used to reach it. As a member of this prestigious honors society for engineers I will make sure that both the loud and the small voices are heard. I will pull together all the different mind sets to accomplish a common goal. The larger goal is to make a difference in this world, to increase the quality of lives for the individuals all around us, but this cannot be accomplished all at once. The only way for this large worldly goal to be accomplished is to first complete all the small goals, which will build into a large change. Tau Beta Pi has been drawing bright and talented minds together since 1885, and I would be honored to be a member.
Tau Beta Pi: “Why do you want to be a member, and how do you plan to contribute?”

I would like to be part of Tau Beta Pi because it would be a great honor to be a part of the oldest engineering honor society founded in 1885. Even though I am a junior by credit hours, it would be an accomplishment for my second year in college. Tau Beta Pi would allow me to make excellent connections and easily relate to others because it is limited to engineers. They truly are the top in their class and strive for achievement. The character that is demonstrated by the members shows that just not anyone is selected to be in Tau Beta Pi. I would love to be connected with this group that strives to be the best in the classroom and community.

Tau Beta Pi provides great future opportunities. The scholarships would be a great benefit in aiding college costs. Many employers recognize the honor society, so it would be helpful to separate me from other applicants. Tau Beta Pi will help keep me focused to be the best engineer post graduation. Networking with other Tau Bates would be very beneficial to make connections in the business world. There are many recognizable people who are members of the honor society, which proves that Tau Bates go far in their careers.

It is great to know that Tau Beta Pi is very active at Trine University. It would be exciting to participate in the career building events. Working with all the types of engineers will provide a different learning environment. It will enhance my understanding to see things from a wide perspective of different engineers. I would like to contribute my time and effort to a productive society to achieve something great. It would be nice to have the opportunity to contribute my leadership skills and improve them through Tau Beta Pi.

Thank you for inviting me to be a member of Tau Beta Pi; I am looking forward to the induction ceremony. I have learned a lot about what this honor society represents, and appreciate its importance.
Having the opportunity to join an honors society with the recognition and reputation of Tau Beta Pi is an honor and is not something to take lightly. I greatly appreciate this opportunity and would like to explain why I would like to be a part of the society and how I plan to contribute to it.

I would like to become a part of Tau Beta Pi because of the weight it would add to my resume, the scholarship opportunities it offers, and the experience it would give me personally. Since Tau Beta Pi is such a well-recognized honor society for engineers, becoming a part of it will help show my potential future employers that I am a hard-working, dedicated engineering student and that I take my education seriously. That extra recognition would help to distinguish me from other job applicants in the future and increase my chances of receiving a job I want. Furthermore, like many other college students, I always appreciate extra help in paying for my education. The scholarship opportunities that open to me upon joining Tau Beta Pi would be very valuable, and I would like to be able to apply for those scholarships and have the chance to receive funding toward my college degree. Finally, I have never been a part of an honors society like Tau Beta Pi, and I believe it would be a beneficial experience for me as an individual to become a part of one. I think that my character and personal skill as an engineer and business person would benefit from being a part of the world’s largest engineering society and learning from the leaders of the society and the opportunities that it would open to me.

I plan to contribute to Tau Beta Pi by being an active participant in its activities and meetings as well as by demonstrating the integrity of the organization through my personal and business life. When I am in a meeting or participating in an activity of the society, I plan to make myself valuable and to put time and effort into my participation that benefits the society. I also plan to be a member of the organization that contributes to its good name through my personal demonstration of character. As I enter the business world and make connections with business associates and personal friends, I plan to demonstrate hard-working and honest character qualities in accordance with the name that Tau Beta Pi has achieved for itself. I want my character to support and maintain the name of Tau Beta Pi to those that I come into contact with in the future.

I hope to become a member of Tau Beta Pi that helps to benefit the society in return for the opportunities and benefits that it offers me. I would like to gain the added resume strength, scholarship opportunities, and personal experience that I believe Tau Beta Pi would give me; and I would like to contribute to the society by being a valuable asset to its activities and meetings and by helping to maintain its name to those with whom I come into contact.
Recently, I have been blessed with a greater amount of free time through more efficient time management. In addition to reducing my stress levels, this influx of spare time has given me the ability to devote a portion of my resources somewhere that is unrelated to the school-work that I do during the day. This is not a problem that many students encounter because, in general, college offers an excess amount of commitments for students to get involved in. While many of these commitments may be beneficial for the student and the community, a common pitfall is to become too involved and, ultimately, burnt out. Having previously experienced what it is like to be in that position, I have, over the years, become a very careful steward of my time. I believe that seconds are valuable and breaths are precious.

Part of being an engineer is the ability to make decisions on a cost-benefit basis. This concept is utilized in many different fields, but it is specifically important to engineering because of the gravity of the choices that are made during the design process. A resolution met by intuition alone could be the difference of millions of dollars in profits on an assembly line, or even the failure of a structure (such as a bridge), which can lead to death or injury. In short, an engineer makes his or her decisions based on whatever facts the situation presents, and so too do I. And so, when I was presented with the invitation to join Tau Beta Pi, I was naturally wary. My first instinct was to assume that the invitation was no different than those from the other honor societies, which I had received in the mail. Fortunately, I recently met the president of Trine’s chapter, and she was able to explain that that was not the case.

Of the others, I have come to the understanding that every student at Trine is invited. In addition, I have heard that participation levels are low, and the inclusion of said honor societies on a resume is nearly meaningless. I have come to understand that the same cannot be said for Tau Beta Pi. As the readers of this essay are certainly aware, Tau Beta Pi is exclusive to only the top engineering students at the university. This fact, along with the familiarity of the name, is of interest to the employers with whom I will be interviewing in a short year and a half. Furthermore, the organization makes scholarships available to its members, and even appears to provide some means of academic support. Nevertheless, none of these are the reason that I am pursuing membership. While they do contribute to my reasoning, the largest factor that went into my decision was the sincerity the current members, many of whom have spent time explaining to me why they originally made their own decision. The people with whom I have spoken truly seem to believe that joining has made a positive impact on their lives. I suppose I believe them. You can call it intuition if you want (I can’t be a perfect engineer all of the time!).

Whatever the case, I do not do something halfway because I would prefer to do a quality job on one thing than just an average job on two. While you should not expect for me to attend every event that the honor society sponsors, you should know that I intend to put my entire effort into those that I do.

Thank you to those who have considered me for membership.
To be a member of Tau Beta Pi is considered an honor as you join the ranks of a few of the most renowned engineers and public figures in society. However, Tau Beta Pi is not just an honor society, it is an active organization that offers scholarship, fellowship, and networking. For these reasons, I would like to become a member of Tau Beta Pi.

Anytime an organization offers to help me financially, I try to at least inquire about the opportunity. While there is statistically a small chance that the money will come my way, it is still worth a look. Specifically, Tau Beta Pi’s Fellowship Program interests me, as I do plan on attending graduate school after attending Trine. Being able to receive a stipend for graduate school would be a great help.

The fellowship and networking opportunities of joining Tau Beta Pi also intrigue me. Meeting new people and establishing new relationships is an exciting part of life and also a great way to advance my career. Establishing myself as a professional can be difficult and I believe being a member of Tau Beta Pi provides a jump start to this process. Having the ability to network and get exposure to industry leading companies is a priceless opportunity that Tau Beta Pi can provide, and one opportunity that I am not willing to overlook.

As a member of Tau Beta Pi, I plan to participate in as many tutoring opportunities as I possibly can. I thoroughly enjoy teaching and helping students understands concepts, especially in the area of Statics and Calculus. I currently help out a few of my residents with occasional homework problems and I would appreciate the opportunity to continue this with more students. All in all, Tau Beta Pi is a great way to advance not only my career, but also help others succeed in the classroom.
Tau Beta Pi Initiation Essay

There are many reasons a student may want to be a part of the Tau Beta Pi Engineering Honors Society. One of the most common reasons would probably be the boost it would give to a resume. While anything you can add to your resume to give you that extra push and set you apart from other applicants once you get out into the “real world” and start applying for jobs is good, this is not the main reason why I want to become a member of Tau Beta Pi.

Being a member of such a prestigious society would truly be an honor. Not very many people can have the opportunity to say that they were in the top eighth of their engineering class during their junior year of college. It takes a lot of hard work and focus to get to that level in your schooling and I enjoy that this society recognizes that effort and the character traits of the students at that level. Being a member of Tau Beta Pi also presents many great opportunities both during undergrad and following graduation. There are scholarship opportunities available during senior year and even if I decide to go on to grad school. I also like that it presents programs meant to help develop skills that will be useful in the workplace, things we can and will use in the future. The thing I like most about membership in this society is the amount of opportunities it presents you with. From scholarships senior year to help with graduate studies there are many great opportunities. And to top it all off membership doesn’t end after you graduate, so you can continue to be active in the society and reap the benefits even after you have finished pursuing your degree and have a steady job. This also has great potential for gaining useful and beneficial connections both at Trine University and with members that have graduated and now work in engineering careers.

I plan to contribute to this society in any way I possibly can. I am a hard worker and will put in all the effort required in order to accomplish any task requested of me. I have held leadership roles in many different groups on campus and currently still hold a few of them, so I know what is required of a leader. I also have been a member of many groups and not held leadership positions, so I know how to be either a leader or simply a member based on the needs of the group. I am also passionate about helping other people, so I would be active in the volunteer opportunities and tutoring that the society sponsors. Because of the number of activities I have been and currently am still involved in, I feel that I can relate to many different types of people. Due to this experience I can effectively contribute my thoughts and opinions to the group without offending people or making them feel uncomfortable. I am dedicated to keeping my grades high and being successful. This trait will contribute to the upkeep of the prestigious image and good name of Tau Beta Pi.

I feel that the Tau Beta Pi Engineering Honors Society is a great opening for me to take advantage of. The connections and opportunities presented by becoming a member of this society will prove to be very beneficial. I will contribute many things to this organization if I am invited to be a member. I am very excited to see what doors this membership will open for me both through both connections in the engineering world and personal improvement getting me ready for the working world.
Tau Beta Pi Essay

As a freshman, I was told about the opportunity to join Tau Beta Pi if I maintained a high enough GPA by my junior year. Maintaining a high GPA has always been something that was important to be, so naturally when I found out about this opportunity, I decided to try and make it a reality.

On top of Tau Beta Pi being a prestigious organization in terms of academia, I would like to join Tau Beta Pi to increase my network. As an engineer, it is important to know other engineers in other fields. This can benefit you in many ways. First and foremost, it can help you to find potential jobs in many places. Also, knowing engineers in different disciplines can help you to be able to work better with other engineers once in the industry. In addition, the different disciplines can help each other to make the world better in the long run. Being involved in Tau Beta Pi will allow me to increase my network and help to make me a better engineer with endless possibilities.

Being an engineer also requires responsibility to your community. Whether that means safety so no harm comes to the employees, good environmental control so that the environment in your community is good to live in, or by giving back to the community. By participating in Tau Beta Pi, I plan on being involved with any service project the organization may do to give back to the community. It will help to strengthen the community within the group and the community in which we live. I also plan on contribute my ideas to the group so we may have transparency throughout the group and so to help to better the groups knowledge and communication.

Overall, I hope to help to take away as much as I can from Tau Beta Pi and to give back what I have taken from the group. I hope to help to increase the organizations potential on campus and to find help build community with my fellow engineers.
Tau Beta Pi is a great honor society, sticking out from most other honor societies. The society is by invitation only and therefore is full of people who have integrity and intelligence. Tau Beta Pi assists students in several different aspects. It offers its student members scholarships, stipends for graduate study, networking and mentoring opportunities, career opportunities, and financial assistance. It also provides to the community by holding community services opportunities for its members. These opportunities make me want to be a part of this great society.

Tau Beta Pi also has a program that teaches skills to engineering students called Engineering Futures. This program trains members in leadership development and interpersonal skills. This would be a great program to take part in because I believe I need to progress my leadership skills in order to be stronger in the work place. One of the modules of the program is team bonding. From my experience with teams, all participants don’t always take part in the project. I would like to gain the skills that allow a team to work well together and that allow every member of the group to know their role.

I plan to contribute to this honor society by being an active member. In many societies or clubs, students join and are not active in any of the group’s activities. This gives the society or club a bad reputation and poor structure. In order to prevent this, I plan on taking part in our chapter’s activities. I will attend study tables if they are for classes that I am taking and I will help new ones get started. I do well in most of my classes, so I can help others with classes that I have already taken. I will also take part in community services projects our chapter holds.

In summary, I would like to be a part of Tau Beta Pi because it provides many opportunities to its members and provides service to the community. I believe this society will provide me with the skills needed to succeed in the work place. I would be an active member in this society, helping with study tables, community service, and any other activities our chapter holds.
Why do you want to be a part of Tau Beta Pi and how do you plan to contribute to this honor society?

Tau Beta Pi’s main principle upon which it was founded is, “Integrity and Excellence in Engineering.” That short phrase has such a depth in its meaning that one must take a step back and take in word by word what it is saying as a whole. Integrity is defined as the quality of being honest and having strong moral principles. Excellence is defined as the quality of being outstanding. To be a well-rounded, fully dedicated, and top-notch engineer, the qualities of integrity and excellence are a necessity. All of that being said, I would like to be a part of Tau Beta Pi because I honestly believe in what it stands for and I aspire to be a representative of integrity and excellence in engineering. An engineering career comes with great responsibility. Great responsibility must be taken seriously. I know that if I were granted a membership in this honor society that I would strive to bear that responsibility with both integrity and excellence in order to fully represent the principles that Tau Beta Pi was founded upon.

I plan to contribute to Tau Beta Pi in several different ways. One of these ways is by donating my time and abilities through any outreach programs, camps, activities etc. that our chapter may participate in. Another way in which I intend to contribute to Tau Beta Pi is through continuing my endeavors to be the best engineer I can be and therefore representing Tau Beta Pi in a positive and honorable way. The third way in which I plan to contribute to Tau Beta Pi is by eventually passing along the importance and meaning behind the honor society to the future generation of engineers. I feel that this is important in order that the traditions associated with a prestigious honor society such as Tau Beta Pi can live on for decades to come.
Joining Tau Beta Pi

Honor societies have always appeared superficial and inconsequential to me. I have always seen these societies supporting causes that do not motivate me, and consist solely of members that are only there to add it to their resume. What attracted me to Tau Beta Pi is the honesty and realistic goals that it projects. To me Tau Beta Pi is an organization for meaningful connection, engineering integrity, and opportunities to give back.

The society holds the engineering ethics and principals in the highest regard. These principals help upcoming engineers find an honest and purposeful view of their work and development. I want to be connected with those who have clear goals and principals. This is a huge opportunity to grow as a professional and to open new paths.

For my own aspirations to give back to the community, it is all about providing resources for people to improve their lives. I want to help teach those around me. I also want to improve the standard of living for those abroad to support global growth. I see Tau Beta Pi as a conduit to allow me to use the little free time I have now to make a meaningful impact. I also see it as a way to make future contributions to the engineering community.

At the end of the day, I'm not sure how joining the society will affect my life. At the very minimum it will be a way to connect with those of solid integrity and purpose. My intent is to join with a clear intent to uphold the engineering principals as well as to uphold who I am as a person. It is my hope that my involvement helps to give me a sense of direction in my career as well as to improve the lives of those around me.
There are several reasons why I want to be a part of The Engineering Honor Society Tau Beta Pi. Those reasons include being part of a group of engineers with great qualities and character, networking opportunities that come with a society like Tau Beta Pi, and the fantastic scholarship program. From what I have read and heard, the honor society is a very prestigious assembly of the best engineers from all disciplines and I am certainly honored to be considered.

First and foremost, I want to be a part of Tau Beta Pi because it is comprised of engineers who excel in academics and have exemplary character, both of which I strive towards every day. If invited to join the society, it will be exciting to collaborate with and get to know people who have the same goals and ideals as I do. I think that in life it is good to surround yourself with people who can help each other reach common goals and provide different perspectives when needed.

I believe that most professionals would agree that a very important aspect of life is networking. The people you know, or do not know, can make all the difference when it comes to getting a job, making a sale, moving up the corporate ladder, and the list goes on and on. Tau Beta Pi provides countless opportunities to network with all kinds of people from the engineering field which can help its members succeed in their professional lives.

The scholarship program is another great reason to join Tau Beta Pi. Each year the honor society assists its members with at least 200 scholarship opportunities. Scholarships are always important for college students and I really like the fact that the society offers a program which helps students out financially not just scholastically.

I plan to contribute to Tau Beta Pi through a variety of different methods. I plan to mentor and tutor students if necessary. I also plan to do community service with Tau Beta Pi because I know that is a cornerstone of the society. Lastly, I plan to uphold the exemplary scholarship and character that it takes to be a part of this prestigious society.

In conclusion, the qualities upheld by the members of Tau Beta Pi, the networking opportunities, and the scholarship program are the main reasons that I want to join the honor society. I want to thank you for considering me for initiation and I hope to be a member of what seems to be a fantastic honor society.
Tau Beta Pi

Tau Beta Pi is the second oldest Greek-letter society in America. It is the world’s largest engineering honor society and encompasses the entire engineering profession. The society is very selective: it only accepts students who rank in the top eighth of the junior class or the top fifth of the senior class of engineering students.

I am interested in becoming a part of Tau Beta Pi because it offers the unique opportunity of being open to all disciplines of engineering. This can expose members to different points of view and serve as an interesting learning experience. It can also provide networking opportunities.

Another reason for my interest in joining Tau Beta Pi is the distinction that being a member can offer. The society is very selective about who it admits, so employers know that the best and brightest engineers are Tau Beta Pi members. Tau Beta Pi members are distinguished among their peers as engineers with high standards of achievement.

A third reason for my interest in Tau Beta Pi is its undergraduate Scholarship Program. Being awarded a $2,000 scholarship for my senior year would be extremely helpful and beneficial. I have already accumulated thousands of dollars of debt and this scholarship would reduce the amount of loans I would have to take out.

I think that I would be a good addition to Trine University’s chapter of Tau Beta Pi because I can bring a unique set of skills and point of view to the society. I am an officer in both Trine Honor Student Association and American Society of Civil Engineers, so I know what is expected of a leader and dedicated student. I can also provide networking opportunities. I worked at Steel Dynamics, Inc. Structural and Rail Division as the environmental engineering intern and have formed relationships with engineers at that division as well as the Flat Roll Division.

In conclusion, Tau Beta Pi presents many opportunities that are of interest to me. I would like to gain experience by collaborating with engineering students of other disciplines. I am interested in the recognition and distinction that being a member of the society can provide when seeking employment and in dealing with other engineers in the workforce. I would like to apply for the scholarships that are available to Tau Beta Pi members. I feel that my experience as a leader makes me a good candidate for membership to this society. Please consider me for membership.
Joining Tau Beta Pi is something that would be a great honor for me. When I first saw fliers up in Fawick about Tau Beta Pi, I immediately researched more information to find out how I could join this organization. I learned that you had to be invited to join, so I decided to continue doing as well as I could in all of my classes so hopefully I could get invited.

The reasons I would like to join Tau Beta Pi are to gain professional experience, better myself as an engineer, and make connections with Tau Beta Pi’s extensive alumni network. Getting to know engineers of different disciplines will be a great opportunity for me to gain a better understanding of the differing areas of industry. Tau Beta Pi also provides an opportunity to gain professional experience through conventions that will be very beneficial to my future as an engineer. I want to be able to represent Trine’s Engineering department when I go to job fairs, conventions, and competitions for whatever organizations that I am involved in. Joining Tau Beta Pi would also allow me to meet people and make professional connections with people I otherwise would have never met, either through conventions or meeting alumni when I go to career fairs. I would like to be a part of this esteemed organization so I can make a difference not only in myself and my abilities, but also the organizations.

If I were to be invited to officially join Tau Beta Pi, there are many things I would do to benefit the organization. One of the main things I would like to do is help with the tutoring sessions. Right now they are offered for classes that most engineers have to take, however these are classes that chemical engineers never have to take. Material Balances is a class that both chemical and biomedical engineers have to take, and it’s the first class that many struggle with. Providing tutoring for this class would help out many engineers. I would also like to contribute to the projects that go to convention. I do not completely know what happens at convention, and I do not know what goes into a project for this but I am very excited to learn and I want to contribute as much as possible.

Joining Tau Beta Pi would be an honor, thank you for inviting me to attempt to become a member.
The Tau Beta Pi Association
Chapter: IN E
Chapter Project Report

Project name: __Statics Tutoring Session 1___ Date(s) of Project: __October 20, 2014___

Project __Community/ Liberal Culture __X University/ College ___Profession/ Engineering
Area: __ Chapter/ Social ___Education/ Prof. Dev. ___K-12/MindSET

Number of persons who participated in this project

Members: ___ Electees: ___
(Please attach a list of names.)

Hours spent on this project.

Organizing: ___ Participating: ___

DESCRIPTION:

I. General Description: __A tutoring session was held for all of Trine University’s statics students____ before a test. Practice tests and dinner were provided to the students.

II. Purpose & Relationship to Objectives of TBP: __This session was to help introduce potential____ members to Tau Beta Pi and to give back to the University.

III. Organization & Administration: (in conjunction with another group?) ___ Yes __X__ No

The corresponding secretary contacted the statics professors and asked for dates of exams. He__ then gathered old tests from the professors to serve as practice tests for the attending students. Food was provided midway through the practice test times. Help was offered when needed and a review of solutions was completed after the practice test times.

IV. Cost & Personnel Requirements: __The only cost was for that of the food. No personnel required____ except for the presence of any Tau Beta Pi members or officers.

Special Problems: __No special problems encountered.__

VI. Overall Evaluation/Results (Be Specific): __Students felt more prepared for upcoming exam.__

VII. Index of Exhibits: __No exhibits.__

VIII. Attendance:
1. Craig Smallegan – Corresponding Secretary
2. Ethan Maust – electee
3. 18 non-members, statics students
The Tau Beta Pi Association
Chapter: IN E
Chapter Project Report
Project number: 6

Project name: Paperweight Bent Polishing  Date(s) of Project: October 8-November 12, 2014

Project Area: X Chapter/ Social  Education/ Prof. Dev.  K-12/MindSET

Number of persons who participated in this project: Members: 0  Electees: 14
(Please attach a list of names.)

Hours spent on this project: Organizing: 0.5  Participating: Up to 20

DESCRIPTION:

I. General Description: Electees were required to polish a miniature paperweight bent. The best polished bent will receive half off of their initiation dues.

II. Purpose & Relationship to Objectives of TBP: This was a test of character and pride in joining Tau Beta Pi.

III. Organization & Administration: (in conjunction with another group?) Yes  X No

The corresponding secretary contacted the statics professors and asked for dates of exams. He then gathered old tests from the professors to serve as practice tests for the attending students. Food was provided midway through the practice test times. Help was offered when needed and a review of solutions was completed after the practice test times.

IV. Cost & Personnel Requirements: $13 for each paperweight bent, so 14($13) = $182. No personnel requirements.

Special Problems: No special problems encountered.

VI. Overall Evaluation/Results (Be Specific): Students felt more pride in joining Tau Beta Pi, and one electee got half off of their dues.

VII. Index of Exhibits: No exhibits.
VIII. Attendance:
1. Jacob Leopold
2. Kyla Dietrich
3. Kirstan Scott
4. Mitchell Herber
5. Natalie Grames
6. Shelby Frailey
7. Emily Dunn
8. Jennifer Jackemeyer
9. Ethan Maust
10. Jacob Haller
11. Jaime McCarrell
12. Maxwell Frame
13. Anne Mammel
14. A. Allen Hersel
The Tau Beta Pi Association
Chapter: IN E
Chapter Project Report

Project name: Large Bent Polishing  Date(s) of Project: October 21, 2014

Project ___Community/ Liberal Culture ___University/ College ___Profession/ Engineering
Area: ___Chapter/ Social ___Education/ Prof. Dev. ___K-12/MindSET

Number of persons who participated in this project
Members: 2  Electees: 11

Hours spent on this project.
Organizing: 0.5  Participating: 1

DESCRIPTION:

I. General Description: Electees were required to polish the large bent outside of our engineering building. Sandpaper and polish was provided.

II. Purpose & Relationship to Objectives of TBP: This was a test of character and pride in joining Tau Beta Pi. It also served as a social event to get the electees to get to know each other.

III. Organization & Administration: (in conjunction with another group?) ___ Yes  ___ No

Each electee sent their schedule to our chief advisor in order to set up a time that worked to polish the bent. When the electees arrived, sand paper, polish, and rags were provided.

IV. Cost & Personnel Requirements: No cost or personnel requirements- we used materials left over from years past.

Special Problems: No special problems encountered.

VI. Overall Evaluation/Results (Be Specific): Students felt more pride in joining Tau Beta Pi; the electees got to talk and have a good time. Our bent looks nicer now outside of the engineering building. Any passers-by saw that we take care of our bent and are an active group on campus.

VII. Index of Exhibits: Please see group photo with bent (below).
VIII. Attendance:
1. Christie Hasbrouck – President
2. Craig Smallegan – Corresponding Secretary
3. Dr. Ryan Overton – Chief Advisor
4. Jacob Leopold
5. Kyla Dietrich
6. Kirstan Scott
7. Mitchell Herber
8. Natalie Grames
9. Shelby Frailey
10. Emily Dunn
11. Jennifer Jackemeyer
12. Ethan Maust
13. Jacob Haller
14. Jaime McCarrell
The Tau Beta Pi Association
Chapter: IN E
Chapter Project Report

Project number: 8

Project name: Grad School 101 Date(s) of Project: October 21, 2014

Project ___Community/ Liberal Culture ___University/ College ___Profession/ Engineering
Area: ___Chapter/ Social ___Education/ Prof. Dev. ___K-12/MindSET

Number of persons who participated in this project
Members: 3 Electees: 2
(Please attach a list of names.)

Hours spent on this project. Organizing: 2 Participating: 1

DESCRIPTION:
I. General Description: We brought in the director of graduate studies from Purdue University to do a
“crash course” on graduate school.

II. Purpose & Relationship to Objectives of TBP: This event got the name of Tau Beta Pi out to the
school, and encouraged our members to consider graduate school.

III. Organization & Administration: (in conjunction with another group?) ___ Yes ___ No

One of our advisors, Dr. Canino, contacted our speaker to set up potential times and dates. Then a
flier was created and posted around the engineering and science buildings and advertised to
numerous professors to announce to their classes. Pizza and drinks were served while the speaker
gave an hour long presentation about graduate school: what it is, how to apply, how to fund it, etc.

IV. Cost & Personnel Requirements: The cost was $49.70 for seven pizzas and five 2-liter sodas.

Napkins, cups, and plates were provided by Little Caesars. Personnel required: Dr. Janet Beagle,
Director of Graduate Admissions at Purdue University.

Special Problems: No special problems encountered.

VI. Overall Evaluation/Results (Be Specific): Several people asked me “what is Tau Beta Pi?” So,
our name was put out to other students. Students who attended also learned the basics about
graduate school, how to apply, how to fund it, etc.
VII. Index of Exhibits: Dr. Beagle’s graduate school presentation and the flyer we posted around campus.

VIII. Attendance:
1. Christie Hasbrouck – President
2. Dustin Arvola – Treasurer
3. Dr. Ryan Overton – Chief Advisor
4. Dr. Jamie Canino – Advisor
5. William Leismer – member
6. Maxwell Frame – electee
7. Shelby Frailey – electee
8. 16 non-members from Trine University
Grad School 101: Everything you need to know in 60 minutes

Janet Beagle, Ph.D.
Director
Office of Graduate Admissions
jbeagle@purdue.edu

Purdue University Big Ten Graduate School Exposition
Hosted every fall at Purdue!
• Workshops, networking, grad school fair & more!
• For students interested in science, technology, engineering, math & related fields

www.purdue.edu/gradexpo

What is Graduate School?
• Provides in-depth, specialized training
• Requires original research and/or scholarship
• Impacts society in relevant ways
• develops intellectual relationships
• Requires intense commitment, passion, drive

Types of Advanced Degrees
PhD
• Direct Ph.D.
• Master’s first

Professional Degrees
• DVM/VMD
• JD
• MD
• Etc.

Master’s
• Thesis
• Non-thesis

Professional/Terminal Master’s
• M.B.A
• M.P.H
• Etc.

What Grad School is REALLY like...

"Being a graduate student is like becoming all of the Seven Dwarves. In the beginning you’re Dopey and Bashful. In the middle, you are usually sick (Sneezy), tired (Sleepy), and irritable (Grumpy). But at the end, they call you Doc, and then you're Happy."

~Ronald T. Azuma

What Grad School is REALLY like...

Grad School is a JOB+

TEACHING
GRADING PAPERS
CONFERENCES
LAB WORK
STUDENT ORGANIZATION
PRESENTATIONS
LABORATORY
CLASSES
READING
FIELD RESEARCH
STUDYING
JOURNAL ARTICLES
DISSERTATION
WRITING PAPERS
ASSISTANTSHIP
How do I pay for Graduate School?

70% of Purdue's full-time graduate students receive funding!

- Graduate assistantships are the most common funding
  - You receive a stipend and your tuition is waived
  - Other benefits may apply
  - Include research, teaching, or administrative positions
- Grants (fellowships) are free money, but competitive
- Loans are also available
  - Federal government and other financial institutions
  - Complete a Free Application for Federal Student Aid (FAFSA)

Where DO I BEGIN?

Researching Graduate Schools

Talk to:
- Professors & advisors
- Professionals in your field
- Current graduate students

Use a variety of sources:
- Professional organizations & conferences
- Research publications/professional journals
- Career centers
- Graduate school guides & major publications
- University websites

Questions to Ask

- Who are the best professors & emerging leaders in your field?
- What projects are they working on?
- What universities do they work at?
- Where did they get their degree from?
- Which professors & schools do others suggest you consider?
- At what universities do current professionals find their best employees?
- What graduate programs have the best reputation in your field?

Understand the Application Process

Admissions committees are made up of professors
Decisions are typically based on the following factors:
- Statement of purpose
- Letters of recommendation
- Standardized Test Scores (GRE/GMAT)
- TOEFL or IELTS (International students)
- Grade Point Average (GPA)
- Transcripts
- Previous work experience
- Research experience (REU & SRO)
- Curricular activities
- Resume/Curriculum Vitae (CV)

Standardized Tests

- GRE: [www.gre.org](http://www.gre.org) [www.number2.com](http://www.number2.com)
  - Biochemistry, Cell & Molecular Biology
  - Biology
  - Chemistry
  - Mathematics*
  - Physics*
  - Literature in English* Psychology
- GMAT (MBA): [www.mba.com](http://www.mba.com)
- LSAT (Law): [www.lsac.org](http://www.lsac.org)
- MCAT (Medical): [www.امc.org](http://www.امc.org)

*Subject test required or recommended at Purdue

Janet Beagle, Ph.D.
Director of Graduate Admissions
jbeagle@purdue.edu
Statement of Purpose

- Allow time
- Follow directions
- Use a standard font
- Keep language simple and specific.
- Answer: “Why should I care?”
- Customize
- Show mutual benefit
- Proofread

Letters of Recommendation

- Give plenty of notice
- Choose recommenders who can talk about different abilities
- Make their job easy
- Follow up before the deadline
- Send a thank you note

Contacting a Professor/Department

- Use your network
- Do your research first!
- Keep your email short, polite
- Look for “graduate contacts”
- Do not e-blast multiple people

Timeline

- Most common entry term is “Fall” (August)
- Begin at least one year before you want to enroll
- Identify schools you want to apply to; research their application requirements & deadlines
- Allow time for test scores, transcripts, letters

Many programs begin making decisions in January - March, and may ask you to accept an offer by April 10th.

Application Tips

- Begin now
- Get to know your current professors
- Research and network with faculty you may want to work with later
- Customize your statement of purpose
- Stay organized
- Proofread
- No, really, proofread!

Consider Purdue!

- Benefit from quality facilities & faculty
  - Top 25 U.S. public institution
  - Labs, equipment, faculty, & more!
  - Centrally located
- Enjoy a global connection
  - International Enrollment: 1st in U.S.
  - Alumni: 140 countries…and BEYOND!

Janet Beagle, Ph.D.
Director of Graduate Admissions
jbeagle@purdue.edu
Programs at Purdue:
- Agriculture
- Consumer Sciences
- Education
- Engineering
- Health Sciences
- Interdisciplinary Programs
- Liberal Arts
- Management
- Nursing
- Pharmacy
- Science
- Technology
- Veterinary Medicine

Some FAQs

When Should I Go?
- Immediately
  - Your profession requires an advanced degree to begin
  - You’re unsure that once you leave school, you’ll want to or will be able to return
- After some time off
  - Employers may pay for you to go to school
  - Your program of interest requires/preferences experience that you don’t currently possess
  - You’re burned out

How do I Choose a Graduate School?
- Make a list of potential schools & compare:
  - Campus visit experience
  - Research & scholarly opportunities
  - Reputation of the school, its programs, & professors
  - Program job placement rates & Information
  - Financial assistance
  - Student services
  - Location’s cost of living

Janet Beagle, Ph.D.
Director of Graduate Admissions
jbeagle@purdue.edu
Thinking of going to graduate school?

Then come to:

**GRAD SCHOOL 101**

A crash course in preparing, applying, and paying for graduate school

On Wednesday, October 22\textsuperscript{nd}, 2014

@ 4 PM in FW 112/117

Pizza and drinks will be provided!

Taught by the renowned Dr. Janet Beagle,

the director of graduate admissions at

Purdue University in West Lafayette

Sponsored by:
The Tau Beta Pi Association
Chapter Project Report

Chapter:    IN E
Project number:   9

Project name: Effective Presentation Skills EF Session        Date(s) of Project: November 1, 2014

Project __ Community/ Liberal Culture     __ University/ College  __ Profession/ Engineering
Area:  __ Chapter/ Social     X Education/ Prof. Dev.  __ K-12/MindSET

Number of persons who participated in this project
Members: 1  Electees: 11
(Please attach a list of names.)

Hours spent on this project.     Organizing: 2  Participating: 3.5

DESCRIPTION:

I. General Description:  We hosted the Effective Presentation Skills Engineering Futures session.
Electees were required to attend.

II. Purpose & Relationship to Objectives of TBP:  This event supported professional development of
the “soft skills” of our electees.

III. Organization & Administration: (in conjunction with another group?)  ___ Yes  X  No
The vice president set up the EF session via the Tau Beta Pi website. Our facilitator, Katy Colbry,
contacted us several times to make sure everything would work out and enough people would attend.
The president reserved a room and picked up pizza for lunch.

IV. Cost & Personnel Requirements:  The cost was $34.10 for five pizzas and three 2-liter sodas.
Napkins, cups, and plates were provided by Little Caesars. Personnel required: Katy and Dirk Colbry,
facilitators.

Special Problems: _ A table and chairs (with computers and cords) needed to be moved in order to
arrange the chairs into a semicircle.

VI. Overall Evaluation/Results (Be Specific):  All of the feedback from the electees was positive. I
think this session helped all of us feel a little more comfortable about public speaking.

VII. Index of Exhibits:  No exhibits.
VIII. Attendance:
1. Christie Hasbrouck – President
2. Jacob Haller – electee
3. Mitchell Herber – electee
4. Kyla Dietrich – electee
5. Natalie Grames – electee
6. Ethan Maust – electee
7. Kirstan Scott – electee
8. Emily Dunn – electee
9. Anne Mammel – electee
10. Maxwell Frame – electee
11. Jacob Leopold – electee
12. Shelby Frailey – electee
The Tau Beta Pi Association
Chapter: IN E
Chapter Project Report

Project name: Electee Alternate Project  Date(s) of Project: 10/21/2014 – 11/02/2014

Project Area:
Community/ Liberal Culture  University/ College  Profession/ Engineering
Chapter/ Social  Education/ Prof. Dev.  K-12/MindSET

Number of persons who participated in this project
Members: 0  Electees: 3
(Please attach a list of names.)

Hours spent on this project.
Organizing: 1  Participating: 4

DESCRIPTION:

I. General Description: We offered an alternative project to the electees who could not attend our bent polishing or engineering futures session. The electees were required to complete the task of calculating wasted energy of lights in the university center, then the energy savings and cost to switch to LED or solar powered lights. They created a PowerPoint presentation of their findings.

II. Purpose & Relationship to Objectives of TBP: This project served as an alternate for one of the required events to be initiated into Tau Beta Pi. This event showed us the electees’ desire to join TBP and their competence in mathematics and teamwork.

III. Organization & Administration: (in conjunction with another group?)  Yes  X  No

The mechanical engineering technician came up with this project per the president’s request. The idea was to create a project that had a similar theme to the engineering futures session (effective presentation skills) and take about the same amount of time as the EF session (4 hours.)

IV. Cost & Personnel Requirements: No cost or personnel requirements.

Special Problems: No special problems encountered.

VI. Overall Evaluation/Results (Be Specific): The project was successful because it showed us the desire of the electees to join TBP. It also correlated well to the project that the other electees completed (the effective presentation skills engineering futures session), so that all electees did a similar project in both length and topic to join.
VII. Index of Exhibits: PowerPoint presentation.

VIII. Attendance:
1. Maxwell Frame – electee
2. Jaime McCarrell – electee
3. Jennifer Jackemeyer – electee
Energy Savings in the UC
Jenny Jackamayer
Jama McCarrall
Maxwell Frame

Problem
- How much energy is wasted on any given day by the lights in the UC?
- How much money is wasted by the lights being on everyday?
- What would LED conversion cost?
- What would solar conversion cost for current set-up?

Current Set-Up
- 20-400W, 240V lights
- Lit 18 hours/day
- 144kWh/day
- $14.4/day
- Approximately 25,000 lumens/bulb

Assumptions
- $0.10/kWh average for IN
- Amount of light/day
  - Winter = 10 hours
  - Summer = 14.5 hours
  - Spring/Fall = 12.5 hours
- Cost of feeding a family of four
  - Moderate cost plan = $139/week

Energy Calculations
- Energy Wasted:
  - Fall and Spring: 6.5 hours of energy wasted
  - Winter: 4 hours of energy wasted
  - Summer: 8.5 hours of energy wasted
  - Average: 6.4 hours of light wasted/day
  - This accounts for an average 51.2 kWh of energy wasted/day

Energy Calculations
- Money Wasted:
  - Using the numbers from previous slide:
    - $5.12/day wasted = $1868.80/year
  - In one month, that is $153.60 wasted which is more than enough to feed a family of four for a week.
LED Conversion
- LED fixture produces 19,000 lumens
- 200W fixture
- $479/fixture
- Lasts 20 times longer than Halogen bulb
  - If kept at current use this would be a 6 year lifespan

LED Vs. Halogen

<table>
<thead>
<tr>
<th></th>
<th>Halogen lights</th>
<th>LED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixture Cost</td>
<td>$15/lamp</td>
<td>$479/fixture</td>
</tr>
<tr>
<td>Number of Replacements per 6 years</td>
<td>00</td>
<td>1</td>
</tr>
<tr>
<td>Total Fixture Costs</td>
<td>$7,000</td>
<td>$9,950</td>
</tr>
<tr>
<td>Electrical Costs/4 years</td>
<td>$31,275.00</td>
<td>$15,750.00</td>
</tr>
<tr>
<td>Total Costs</td>
<td>$38,775.00</td>
<td>$25,740.00</td>
</tr>
</tbody>
</table>

Halogen was used as a comparison because the LED lifetime for the fixtures we selected was about 6 years.

Solar Panel Conversion
- $690/200W solar panel kit
- IN average for solar intensity for power generation: 163W/m²
- 240 - $165600
  - This cost would be a start up cost, but would completely eliminate the need for spending towards an electricity bill.
  - Average WARRANTED Lifetime: 25 years

<table>
<thead>
<tr>
<th>Energy Costs per 25 years</th>
<th>Electricity</th>
<th>Solar</th>
</tr>
</thead>
<tbody>
<tr>
<td>$175,000</td>
<td>$165,600</td>
<td></td>
</tr>
</tbody>
</table>

Conclusion
- 51.2 kWh/day is wasted in the current UC lighting format
- LED would be a money saving switch as the power consumption for LED fixtures is half of the Halogen bulbs
- Solar panel conversion is not a feasible switch as the average solar intensity for Indiana is very low

Sources
- [Website 1](http://example.com/1)
- [Website 2](http://example.com/2)
- [Website 3](http://example.com/3)
- [Website 4](http://example.com/4)
- [Website 5](http://example.com/5)
The Tau Beta Pi Association
Chapter Project Report

Project name: Statics Tutoring Session 2  Date(s) of Project: November 13, 2014

Project Area: University/College

Project Area: Profession/Engineering

Number of persons who participated in this project
Members: 1  Electees: 0
(Please attach a list of names.)

Hours spent on this project.  Organizing: 1  Participating: 2

DESCRIPTION:

I. General Description: A tutoring session was held for all of Trine University’s statics students before a test. Practice tests and dinner were provided to the students.

II. Purpose & Relationship to Objectives of TBP: This session was to help introduce potential members to Tau Beta Pi and to give back to the University.

III. Organization & Administration: (in conjunction with another group?) Yes  No

The corresponding secretary contacted the statics professors and asked for dates of exams. He then gathered old tests from the professors to serve as practice tests for the attending students. Food was provided midway through the practice test times. Help was offered when needed and a review of solutions was completed after the practice test times.

IV. Cost & Personnel Requirements: The only cost was for that of the food. No personnel required except for the presence of any Tau Beta Pi members or officers.

Special Problems: No special problems encountered.

VI. Overall Evaluation/Results (Be Specific): Students felt more prepared for upcoming exam.

VII. Index of Exhibits: No exhibits.

VIII. Attendance:
1. Craig Smallegan – Corresponding Secretary
2. 30 non-members; statics students
The Tau Beta Pi Association
Chapter: IN E
Project number: 12

Chapter Project Report

Project name: Local School Christmas Sponsorship  Date(s) of Project: 11/15/2014 – 12/15/2014

Project _X_ Community/ Liberal Culture ___ University/ College ___ Profession/ Engineering
Area: ___ Chapter/ Social ___ Education/ Prof. Dev. ___ K-12/MindSET

Number of persons who participated in this project
Members: 16  Electees: 0
(Please attach a list of names.)

Hours spent on this project.
Organizing: 6  Participating: 18

DESCRIPTION:

I. General Description: In an effort to create an annual community service project, the chapter brainstormed and voted on ideas. The idea chosen was to sponsor a local elementary school to provide Christmas gifts to less fortunate children in the community.

II. Purpose & Relationship to Objectives of TBP: This project serves as a means to broaden our presence in the community. We are promoting charity and thoughtfulness by sponsoring less fortunate kids so that they may have a Christmas when they otherwise would not.

III. Organization & Administration: (in conjunction with another group?) ___ Yes  _X_ No

Each member and officer was asked to donate $10 to the cause. The rest of the money came from donations from our student government and the engineering departments. The President of the chapter contacted a local school corporation’s teacher to discuss the details of the project and to pick a school or schools and group of students to sponsor. Once a head count of boys and girls was given, the President contacted the local Wal-Mart to discuss ordering and pricing hats, gloves, and candy canes. Unfortunately, they were unable to be ordered and the President visited 5 local Wal-Marts to retrieve all the items. A date and time was set for the “wrapping party,” where current and future officers wrapped the gifts. The President then presented the gifts to the local schools before Christmas break.
IV. Cost & Personnel Requirements: Cost for 767 hats, 767 gloves, 767 candy canes, 15 rolls of wrapping paper, and 20 rolls of tape: $1289.13. No special personnel requirements.

Special Problems: Angola Wal-Mart was unable to order our hats and gloves. Therefore, the President visited Wal-Marts in Sturgis, MI; Angola, IN; Auburn, IN; and Fort Wayne, IN to retrieve the items. Some Wal-Marts did not give a 10% discount and some did not accept the tax exempt number instead of a tax exempt card. Since the order was fulfilled so late, wrapping and delivery happened during finals week.

VI. Overall Evaluation/Results (Be Specific): This project went really well, all things considered. The current and future president plus several non-members wrapped the presents. In total, 16 members donated to the cause. The superintendent, teachers, and students were very grateful to Tau Beta Pi. We are starting to become more known around campus and in the community. 767 local children got to have Christmas presents for perhaps the first time in their lives. We plan to make this an annual tradition. However, we plan to order items earlier next year in order to get our 10% discount and all of our items in on time. The local Wal-Mart worked with us to use tax exempt and a 10% discount.

VII. Index of Exhibits: Pictures from the schools.

VIII. Attendance:
1. Christie Hasbrouck – President
2. Craig Smallegan – Corresponding Secretary
3. Dr. Ryan Overton – Chief Advisor
4. Natalie Grames
5. Kyla Dietrich
6. Mitchell Herber
7. Jacob Leopold
8. Jaime McCarrell
9. Emily Dunn
10. Ethan Maust
11. Nick Flint
12. Joey Buchman
13. Dr. Allen Hersel
14. Dr. VK Sharma
15. Maxwell Frame
16. Shelby Frailey
The Tau Beta Pi Association
Chapter: IN E
Project number: 13

Project name: Officer Meeting 1
Date(s) of Project: January 15, 2015

Project Area: 
Community/ Liberal Culture
University/ College
Profession/ Engineering
Chapter/ Social
Education/ Prof. Dev.
K-12/MindSET

Number of persons who participated in this project
Members: 5
Electees: 
(Please attach a list of names.)

Hours spent on this project.
Organizing: 1.5
Participating: 1

DESCRIPTION:

I. General Description: A meeting of the newly elected officers to discuss plans, priorities, projects, and scheduling for the upcoming semester.

II. Purpose & Relationship to Objectives of TBP: We wanted to establish what everyone’s responsibilities were and plan out all mandatory meetings to ensure that electees had a sufficient amount of project hours to be initiated.

III. Organization & Administration: (in conjunction with another group?) Yes No

The president looked through all of the responsibilities of officers, all of the mandatory reports and meetings, the list of free supplies from nationals, etc and made an agenda of all that needed to be discussed to have a successful semester. The meeting was held in the library and the president discussed the topics with the rest of the officers.

III. Cost & Personnel Requirements: No cost or personnel requirements other than the presence of the officers.

V. Special Problems: No Special Programs encountered.

VI. Overall Evaluation/Results (Be Specific): All dates for initiation and the processes leading up to it were decided. Officers were made clear of their responsibilities.

VII. Index of Exhibits: Please see attached meeting minutes

VIII. Meeting Attendance and Minutes:
Attendance
1. Shelby Frailey – President
2. Christie Hasbrouck – Vice President
3. Emily Dunn – Treasurer
4. Jennifer Jackemeyer – Corresponding Secretary
5. Joshua Peters – Recording Secretary

Topics
1. Student government meeting at 7:00
   - Who is going? Shelby
   - Constitution/bylaws
   - Dr. Overton’s letter
   - Chapter roster – need student ID’s, send email
2. Officer signatures report
   - Signed and scanned
3. Officer handbooks
   - Correct anything outdated
   - Remove anything irrelevant to your position
   - Add anything relevant to your position/duties
   - Your guidebook to hand to the person after you
4. Free materials (http://tbp.org/off/materialsOrder.cfm)
   - Posters/brochure holders
   - Things to give to initiates at orientation:
     o Wallet with:
     o Bookmark
     o Creed card
     o Information book
     o Code of Ethics of Engineers
     o Bent life subscription card
     o Engineering Futures brochure
     o Decal
5. Reports (http://tbp.org/off/reports.cfm)
   - Username: ine    Password: angolaindiana
   - President’s reports
     o Fall Contact Information Update
     o Report of Officer and Advisor Election
     o Officer Signatures Report
     o Catalog Cards
     o Roll Book Signatures
     o Bottom portion of Convention Delegate Credentials
     o Top portion of Convention Delegate Credentials
     o Convention Delegate Expense Report
     o Constitutional Amendment Ratification Ballot
   - Treasurer’s reports
- IRS Form 990-N
- Initiation Fees
- Financial Report

- Reporting Secretary’s reports
  - Report of Eligibility
  - Report of Election
  - Report of Final Action
  - Chapter Survey
  - Project Reports

   - Attendance to one will be required for initiates
   - Who will head this? Christie

7. Other ideas for events
   - Pi Day
     - Christie will head this
   - Introduce a girl to engineering day
     - Talk to Dr. Mitofsky
   - Bent polishing (required for initiates)
   - Tutoring Sessions
     - Statics
     - Solid Mechanics
     - Craig will continue to be in charge of this.
The Tau Beta Pi Association
Chapter: IN-E

Chapter Project Report

Project number: 14

Project name: Letters from the dean’s office
Date(s) of Project: February 12, 2015

Project __Community/ Liberal Culture X University/ College __Profession/ Engineering
Area: __ Chapter/ Social __Education/ Prof. Dev. __ K-12/MindSET

Number of persons who participated in this project
Members: 2 Electees: 0
(please attach a list of names.)

Hours spent on this project.
Organizing: 0.5 Participating: 2.5

DESCRIPTION:

I. General Description: Letters from the dean were sent to each eligible student and their parent(s) for this semester.

II. Purpose & Relationship to Objectives of TBP: The letters from the dean are sent to give a professional impression of Tau Beta Pi and attempt to convince more eligible students to join.

III. Organization & Administration: (in conjunction with another group?) ___ Yes X No

Upon receiving the eligibility list, letters were customized, printed, signed by the dean, put into envelopes with Tau Beta Pi brochures, and mailed to the students and their parent(s).

IV. Cost & Personnel Requirements: No direct cost to the chapter; the dean’s office covered envelopes and postage. Only other personnel required were the dean and his secretary.

V. Special Problems: Problems encountered were students on co-op who didn’t have campus mailboxes, and co-op students that reported wanting to join, but being unable to make it to campus.

VI. Overall Evaluation/Results (Be Specific): There were nine people that responded to this letter and came to the orientation. Sending letters to the parents helps because they encourage their son or daughter to join. Two students on co-op have expressed interest but are unable to join due to distance. It was decided that these students could be elected this semester and initiated next semester.

VII. Index of Exhibits: Letter from the dean template.

VIII. Attendance
1. Shelby Frailey – President
2. Jennifer Jackemeyer – Corresponding Secretary
3. Letters sent to 23 eligible students and 23 sets of parents
The Tau Beta Pi Association
Chapter: IN-E
Chapter Project Report

Project number: 15

INSTRUCTIONS: Please complete each of the seven sections below. Any additional information which may be helpful to another chapter would also be appreciated, but do not send extraneous material that would not be useful to other chapters.

Project name: Electee essays
Date(s) of Project: March 11, 2015

Project _X_ Community/ Liberal Culture ___ University/ College ___ Profession/ Engineering
Area: ___ Chapter/ Social ___ Education/ Prof. Dev. ___ K-12/MindSET

Number of persons who participated in this project
Members: 0  Electees: 5
(Please attach a list of names.)

Hours spent on this project. Organizing: 1  Participating: 1-2

DESCRIPTION:

I. General Description: Each electee wrote an essay on the topic “Why do you want to join Tau Beta Pi? What are you going to do to make our chapter the best it can be?”

II. Purpose & Relationship to Objectives of TBP: These essays allowed current members a basis from which to judge the electees’ character and reasons for joining.

III. Organization & Administration: (in conjunction with another group?) ___ Yes  _X_ No
The officers and head advisor come up with an essay topic each semester to judge the electees’ character and reasons for joining TBP to make sure they are sound.

IV. Cost & Personnel Requirements: No cost or personnel requirements.

V. Special Problems: No problems encountered.

VI. Overall Evaluation/Results (Be Specific): The essays were sent to all current members for review before the election meeting. The members were able to form an opinion on the character of each electee before they voted to elect or not elect them.

VII. Index of Exhibits: Essays from the electees.
VIII. Participation

1. Matthias Phillips
2. Benjamin Miller
3. Stuart Gillig
4. Zachary Rowland
5. Raleigh Whitham
I am very excited about the opportunity to gain initiation into Tau Beta Pi. I want to be a part of this honor society for many reasons. First, I like the idea of a single society that includes all fields of engineering. I enjoy talking to other people that are studying different fields of engineering and hearing the things they are learning compared to what I am learning. Second, I would enjoy the chance to participate in community service activities with Tau Beta Pi. Since High School, community service has been a big part of my life and this society will offer me even more opportunities to serve others. Finally, I want to join Tau Beta Pi for the networking opportunities. We have all been told about the overwhelming need for networking and the benefits that come from it, so I try to utilize every chance I have to network with people in my field of study as well as others. These are just a few reasons that I want to join Tau Beta Pi.

I think I would be a valuable addition to the Trine chapter of Tau Beta Pi for a few reasons. First, I have been in numerous leadership positions in the past and I look forward to using those leadership skills and further developing them in Tau Beta Pi. Second, I am willing to do any task, big or small, that needs to be done and I enjoy working on projects in teams with other people. Finally, I possess a strong interest, both in engineering and many other fields, which drives my need to learn new things and broaden my knowledge. I believe this is an important quality to have for any organization that one wants to participate in.
I would like to join Tau Beta Pi because there are several advantages to being a member and I see it as an honor to be able to join. All the hard work I have put into school can be shown in good grades, but being a member of Tau Beta Pi would show that I have gone above and beyond just getting good grades. Employers want to know that the people the hire are not only good at what they do, but also have social skills. By being involved in extracurricular activities, it shows that the potential employee is a well-rounded person. Being a member of Tau Beta Pi is just another way to show that.

I also would like to join because of the networking of alumni members all across the country. If an employer recognizes the honor society Tau Beta Pi or is a member, then it could be to my advantage and help me get a job. Another advantage of being a member is the access to more scholarships. As I advance in my schooling, it sometimes feels like there are not as many scholarships to apply for, but Tau Beta Pi allows easy access to scholarships. Since I come from a low income home, I find that to be very inviting. I also find it to be a prestigious honor to be a member of an honor society like Tau Beta Pi.

When I become a member to Tau Beta Pi, I plan on being actively involved in the activities put on by this chapter. I will also continue to be an exemplary student and live up to the standards that qualified me to join Tau Beta Pi. I will be a respectable student and member and serve as a role model to my peers and new members that will join in the years to come. It would be a great honor to be able to join Tau Beta Pi.
According to the Preamble to The Constitution of the Tau Beta Pi Association, the purpose of Tau Beta Pi is “to mark in a fitting manner those who have conferred honor upon their Alma Mater by distinguished scholarship and exemplary character…” This introductory statement expresses the reasons for which I would like to be a member of Tau Beta Pi. I seek to promote the pursuit of “distinguished scholarship and exemplary character” on Trine University’s campus.

Distinguished scholarship doesn’t simply mean acing all of one’s classes. Scholarship is about learning, retaining, and understanding the information discussed during class and asking questions. It’s about exploring the applications of this information during labs and work opportunities and solving the problems imposed by the difficulties of these real-world scenarios. Tau Beta Pi is an organization that promotes this type of scholarship directly within its membership and indirectly through the example its members set for other students. By joining Tau Beta Pi, I hope to help in promoting distinguished scholarship on Trine’s campus.

Exemplary character can encompass a wide range of personal traits that are expected of all people. Among these are trustworthiness, kindness, bravery, and responsibility. For engineers specifically there is a widely-accepted Code of Ethics to adhere to. This code promotes the qualities that an engineer must possess to ensure that the future of engineering advances the welfare and ensures the safety of mankind. I firmly believe in the necessity of these ideals and hope to promote them through membership in Tau Beta Pi.

Through my experiences leading and being involved with a number of organizations I have learned that an organization can only thrive with a full and active membership. Without active members, Tau Beta Pi could never hope to achieve its ambitious goals. As a member of Tau Beta Pi, I would be active in our local chapter by attending and taking part in meetings and other chapter sponsored events. In order for Tau Beta Pi to continue to be a strong organization on Trine’s campus, members must take an active role in planning, organizing, and executing events. I believe that I have the skills and motivation to assist in any of these capacities. In the future, I would also consider running for an elected position to further serve Tau Beta Pi at Trine and elsewhere in our local district.
Why do I want to join Tau Beta Pi? Although it seems like a fairly easy question to answer on the surface, in reality it warrants quite an in depth answer, an answer longer than the page I have to write this essay. However, the main reason I would like to join Tau Beta Pi is because of the opportunities I believe the society holds for me.

After reading all the informational handouts and pamphlets, I never knew Tau Beta Pi was such a massive society. I had seen the bent outside Fawick, but had never given it much thought. Now that I know how deep this society actually goes in the world I believe, like most others I’m sure, that passing up an opportunity to become part of one of the largest and oldest engineering societies in the world would be something I regret deeply. Even though I have yet to meet any colleagues in the businesses I have worked for, I know that the roots of the society are well grounded and the time for me to talk about how I was a part of Tau Beta Pi in college will be a topic that will arise soon enough.

Now what do I have to offer the society? Like the others in Tau Beta Pi, I am one of the top engineers in my class. However, I have much more to offer Tau Beta Pi than just grades. I am an active member of AIChE, ACS, The National Society of Leadership and Success, a previous tennis and Frisbee player, and much more. I know how being active on campus enriches the college experience, so I have taken full advantage of the many clubs and societies available to Trine students. In addition, I know the importance of community service seeing as I volunteer at St. Vincent De Paul in Indianapolis as often as I can.

Being offered membership in Tau Beta Pi is a huge opportunity for me, and one I wish to take advantage of, as I try to do with anything that I believe will enrich my college experience and life in the future. As I stated, I am a well-rounded student, juggling grades, clubs, and service, but I believe it is all worth the time and effort. With this in mind, I hope you see that I will make a great addition in Tau Beta Pi.
I am interested in joining Tau Beta Pi because it would be an honor to say that I am part of the nation’s oldest engineering honor society. The society would also be a way to show all the effort and hard work I have put into trying to understand all my classes to become the best engineer I can be later on in life. Plus it would be awesome to be in a society that includes the top engineers of all disciplines around the nation that share the same interests as I do and are always there to help me if I ever need help in a subject. The benefits listed in the brochure were also something that made me want to join. The networking and mentoring opportunities jumped out because it would help get my name out there to help acquire a job after school along with the employment recruitment opportunities.

By joining I think I could bring some important qualities to help make the chapter the best. The first one would be my drive to be the best engineer I can. I would try to help those if needed with the subjects I have taken. I also would be involved by helping out with the community services projects that the society hosts. Helping on all the projects that Trine would have. I also believe I could help bring some more fun to the society. I like to have fun with whatever I do. It makes things more enjoyable.
The Tau Beta Pi Association
Chapter Project Report

Project name: Introduce a Girl to Engineering Day Date(s) of Project: February 21, 2015

Project Community/ Liberal Culture University/ College Profession/ Engineering Area: Chapter/ Social Education/ Prof. Dev. K-12/MindSET

Number of persons who participated in this project Members: 3 Electees: ___
(Please attach a list of names.)

Hours spent on this project. Organizing: 1 Participating: 3

DESCRIPTION:

I. General Description: Tau Beta Pi and the American Institute of Chemical Engineers joined to make liquid nitrogen ice cream as an activity for students at SWE’s event, Introduce a Girl to Engineering Day.

II. Purpose & Relationship to Objectives of TBP: The purpose of this event was to introduce more kids to engineering as a profession and to encourage them to consider going to school to study engineering.

III. Organization & Administration: (in conjunction with another group?) X Yes ___ No
Introduce a Girl to Engineering Day was put on by the Society of Women Engineering and we also worked with AIChE on our activity for the kids.

IV. Cost & Personnel Requirements: Everything was paid for by the chemical engineering department. A dewer was borrowed for the liquid nitrogen.

V. Special Problems: No special problems

VI. Overall Evaluation/Results (Be Specific): This event only happened because I was contacted by a member of AIChE and asked if they could do the presentation with us, because they hadn’t signed up in time. We didn’t have any ideas for our presentation, so this worked perfectly.
VII. Index of Exhibits: Pictures Below

VIII. Attendance

1. Shelby Frailey
2. Zachary Titkemeier
3. David Molnar
The Tau Beta Pi Association
Chapter Project Report

Project name: _Science Fair Award - Pi Day_ Date(s) of Project: _March 14, 2015_

Project _X_ Community/ Liberal Culture _ University/ College _ Profession/ Engineering
Area: __ Chapter/ Social ___ Education/ Prof. Dev. ___ K-12/MindSET

Number of persons who participated in this project
Members: __ Electees: ___
(Please attach a list of names.)

Hours spent on this project. Organizing: _0.5_ Participating: _5_

DESCRIPTION:

I. General Description: _For Pi Day, we went to the Tri-State Regional Science Fair at Trine University and gave out two awards for middle school engineering science projects._

II. Purpose & Relationship to Objectives of TBP: _To encourage young students to stay in engineering by awarding their hard work with recognition._

III. Organization & Administration: (in conjunction with another group?) _X_ Yes ___ No

_ We gave an award at an event that has been happening at Trine for many years. The science fair is organized by a professor at our school, so we contacting this professor (Moravec) and let her know that we were interested in giving an award. She worked with us to let us know exactly what was going to happen._

IV. Cost & Personnel Requirements: _No cost, no personel requirements_

V. Special Problems: _The order for the Tau Beta Pi certificate paper did not go through, so we had to improvise and make our own certificates to give to the winning students._

VI. Overall Evaluation/Results (Be Specific): _Two middle school girls won Tau Beta Pi awards for their projects in Engineering. This went very well and this award will continue in the future._
VII. Index of Exhibits: Pictures Below

VIII. Attendance

1. Shelby Frailey
2. Christie Hasbrouck
Chapter Project Report

Project name: Effective Presentation Skills EF Session  Date(s) of Project: March 28, 2015

Project ___Community/ Liberal Culture  ___ University/ College  ___ Profession/ Engineering
Area: ___ Chapter/ Social  ___X Education/ Prof. Dev.  ___ K-12/MindSET

Number of persons who participated in this project
Members: __2__  Electees: __5__
(Please attach a list of names.)

Hours spent on this project.  Organizing: __2__  Participating: __3.5__

DESCRIPTION:

I. General Description: ___We hosted the People Skills Engineering Futures session. Electees were required to attend.___________________________________________________

II. Purpose & Relationship to Objectives of TBP: ___This event supported professional development of the “soft skills” of our electees.___________________________________________________

III. Organization & Administration: (in conjunction with another group?) ___Yes  ___XNo

___The vice president set up the EF session via the Tau Beta Pi website. Our facilitator, Katy Colbry, contacted us several times to make sure everything would work out and enough people would attend. The president reserved a room and picked up pizza for lunch.
______________________________________________________________________________________________

IV. Cost & Personnel Requirements: The cost was $31.50 for four pizzas, three 2-liter sodas and extra plates. Napkins and plates were provided by Little Caesars. Personnel required: Katy and Dirk Colbry, facilitators.
______________________________________________________________________________________________

Special Problems: ___Tables and chairs needed to be moved in order to arrange the chairs into a semicircle.___________________________________________________

VI. Overall Evaluation/Results (Be Specific): ___All of the feedback from the electees was positive. I think this session helped all of us feel a little more comfortable with interacting professionally with people and confronting problems in the workplace or school.___________________________________________________

VII. Index of Exhibits: ___No exhibits.___________________________________________________

VIII. Attendance:
1. Shelby Frailey – President
2. Christie Hasbrouck – Vice President
3. Matthias Phillips – electee
4. Raleigh Whitham – electee
5. Benjamin Miller – electee
6. Stuart Gillig – electee
7. Zachary Rowland – electee
Project name: Large Bent Polishing  Date(s) of Project: April 16, 2015

Project ___Community/ Liberal Culture ___ University/ College ___ Profession/ Engineering
Area: X Chapter/ Social ___ Education/ Prof. Dev. ___ K-12/MindSET

Number of persons who participated in this project
Members: 2  Electees: 5
(Please attach a list of names.)

Hours spent on this project.  Organizing: 0.5  Participating: 1

DESCRIPTION:

I. General Description: Electees were required to polish the large bent outside of our engineering building. Sandpaper and polish was provided.

II. Purpose & Relationship to Objectives of TBP: This was a test of character and pride in joining Tau Beta Pi. It also served as a social event to get the electees to get to know each other.

III. Organization & Administration: (in conjunction with another group?) ___ Yes  X  No

A date was chosen when it would be warmer outside so the electees wouldn’t freeze. They were told over a month in advance to avoid conflict.

IV. Cost & Personnel Requirements: No cost or personnel requirements- we used materials left over from years past.

Special Problems: No special problems encountered.

VI. Overall Evaluation/Results (Be Specific): Students felt more pride in joining Tau Beta Pi; the electees got to talk and have a good time. Our bent looks nicer now outside of the engineering building. Any passers-by saw that we take care of our bent and are an active group on campus.

VII. Index of Exhibits: Please see group photo with bent (below).
VIII. Attendance:
1. Shelby Frailey – President
2. Joshua Peters – Recording Secretary
3. Stuart Gillig
4. Matthias Phillips
5. Zachary Rowland
6. Benjamin Miller
7. Raleigh Whitham
The Tau Beta Pi Association
Chapter Project Report

Project name: Paperweight Bent Polishing   Date(s) of Project: __April 22, 2015____

Project Community/ Liberal Culture University/ College Profession/ Engineering
Area: Chapter/ Social Education/ Prof. Dev. K-12/MindSET

Number of persons who participated in this project
Members: 0   Electees: 5
(Please attach a list of names.)

Hours spent on this project. Organizing: 0.5   Participating: Up to 20

DESCRIPTION:

I. General Description: Electees were required to polish a miniature paperweight bent. The best polished bent will receive half off of their initiation dues.

II. Purpose & Relationship to Objectives of TBP: This was a test of character and pride in joining Tau Beta Pi.

III. Organization & Administration: (in conjunction with another group?) Yes   No

At the Orientation meeting each electee was given an unpolished paperweight bent for them to polish by the initiation ceremony.

IV. Cost & Personnel Requirements: $13 for each paperweight bent, so 5($13) = $65. No personnel requirements.

Special Problems: No special problems encountered.

VI. Overall Evaluation/Results (Be Specific): Students felt more pride in joining Tau Beta Pi, and one electee got half off of their dues.

VII. Index of Exhibits: No exhibits.

VIII. Attendance:
   1. Stuart Gillig
   2. Benjamin Miller
   3. Matthias Phillips
   4. Zachary Rowland
   5. Raleigh Whitham
The Tau Beta Pi Association
Chapter: INE
Chapter Project Report

Project number: 21

Project name: Golden Gavel Award Application
Date(s) of Project: May 1 2015

Project __ Community/ Liberal Culture __ University/ College __ Profession/ Engineering
Area: __ Chapter/ Social __ Education/ Prof. Dev. __ K-12/MindSET

Number of persons who participated in this project
Members: 2 Electees: ___
(Please attach a list of names.)

Hours spent on this project.
Organizing: ___ Participating: 1

DESCRIPTION:

I. General Description: The Golden Gavel is an award given out by Trine University to a non-greek organization for various criteria. Some of these are community service hours, community involvement off campus, and professional opportunities for members.

II. Purpose & Relationship to Objectives of TBP: The purpose of applying for this award was to gain recognition from the University for all the hard work our members put in, and to get Tau Beta Pi’s name out there on campus.

III. Organization & Administration: (in conjunction with another group?) ___ Yes __ X No

The application was sent to me by another member of Tau Beta Pi, and it was completed and submitted by the deadline. The award will be given out at a football game in the fall.

IV. Cost & Personnel Requirements: ___ None

V. Special Problems: ___ No Special Problems.

VI. Overall Evaluation/Results (Be Specific): The results of this award will not be announced until the fall semester next year. I feel that our TBP chapter has a good chance of winning due to our community service and professional opportunities for members.

VII. Index of Exhibits: ___ No Exhibits