

Contents

1	Officer Meetings	2
2	Abbott Professional Development Activities	4
3	PLTL Mentoring Workshop	8
4	Beach Clean-Up	10
5	Mentoring Program Overview	14
6	Fall 2021 Smoker	17
7	Study Habits and Time Management	21
8	Officer Dinner	23
9	Putty Crash Course	25
10	Albergue de Animales Villa Michelle/ Villa Michelle Animal Shelter	27
11	Linked-In Workshop	31
12	Engineering 101	34
13	Fall Election Meeting	37
14	Fall 2021 Initiation	39
15	Tau Beta Pi Scholarship 2022 How to Apply	41
16	Spring 2022 Smoker	44
17	Beach Clean Up 2022	47
18	Color Spirit and Bent Hunt	51
19	Food Donation	56
20	Grad School Workshop	60
21	District 5 Meeting	63
22	Personal Finances Workshop	66
23	Spring Election Meeting	68
24	Virtual Happy Hour	70
25	Ansys Workshop	73

26 Stress and Anxiety Management Workshop 75

27 Spring Initiation Rehearsal 77

28 Industry vs. Academia Panel 79

29 Spring 2022 Initiation 81

1 Officer Meetings

Puerto Rico Alpha

1. Project Information

- i. Date(s): 08/16/21 - 11/29/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	5
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
2.0	18.0

2. Project Evaluation

- i. **General Description**

Chapter officers met on Mondays at 8:30 pm on a weekly basis to follow up on on-going tasks and projects as well as to coordinate upcoming events. Meetings took between 1 and 2 hours, depending on the weekly schedule and any situations encountered by the officers.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

These weekly meetings were necessary in order for everyone to keep up to date on activity and candidate progress throughout the semester, as well as any situations requiring more assistance.
- iii. **Organization and Administration**

Only chapter officers participated of these meetings, although communication with other organizations was conducted via text and then discussed between the officers at the meetings.
- iv. **Total Cost**

\$0.0
- v. **Cost Breakdown**

No expenses were required.
- vi. **Special Problems Encountered**

Attendance was sometimes an issue due to the demanding and conflicting schedules of the officers.

vii. **Overall Evaluation**

Officer meetings were always positive and fruitful, highlighting the needs of each officer and promoting a collaborative environment amongst the team.

2 Abbott Professional Development Activities

Puerto Rico Alpha

1. Project Information

- i. Date(s): 09/02/21 - 09/14/21
- ii. New/Recurring Project: Recurring
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Other	34
Members	10
Electees	4

- v. Average number of hours per person spent:

Participating	Organizing
0.5	4.5

2. Project Evaluation

i. General Description

Abbott invited the members of Tau Beta Pi as well as other student organizations to attend their professional development activities during the month of September. Tau Beta Pi invited its members and created promotional content to motivate the participation of members. Three activities took place: Abbott Company Overview and Internship Opportunities, How to be Successful in Digital Interviewing, and Rock your LinkedIn Profile. These took place on Sep 2nd, Sep 7th, and Sep 14th, respectively.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

As part of Tau Beta Pi's mission of providing its members with professional opportunities, our leadership learned of Abbott's workshops and reached out to ensure our members could enjoy the benefits of what Abbott had to offer, from internships to full-time positions, as well as professional advice.

iii. Organization and Administration

Abbott organized the activity and Tau Beta Pi helped promote it. The time spent was encouraging people to attend throughout the day and preparing special invitations for Tau Beta Pi members.

iv. **In Conjunction With**
Abbott

v. **Total Cost**
\$0.0

vi. **Cost Breakdown**

No costs were incurred. The only personnel required were the Abbott presenters.

vii. **Special Problems Encountered**

No problems were encountered.

viii. **Overall Evaluation**

Members were able to learn about Abbott but also connected with the company helping them achieve one step forward if they choose to pursue a career with the company. Members that don't plan on working with the company benefited by learning virtual interviewing tips as well as how to prepare a proper Linked-In profile.

3. Additional Attachments

Figure 1: Abbott Company Overview Flyer



Figure 2: Successful Digital Interview Flyer



Figure 3: Abbott LinkedIn Flyer



3 PLTL Mentoring Workshop

Puerto Rico Alpha

1. Project Information

- i. Date(s): 09/24/21
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Students	7
Members	5
Electees	2

- v. Average number of hours per person spent:

Participating	Organizing
0.5	3.0

2. Project Evaluation

i. General Description

Given our interest in establishing a mentoring program within our chapter where volunteers from our members would be assigned first- and second-year students in order to help them be successful, we first needed to train our members in good mentorship practices. To this end, through ties with a mentoring organization, our member mentors were invited to a workshop in order to learn how to be effective and respectful mentors. Both our members and theirs participated in this interactive activity and engaged in leadership-developing exercises. In addition, they were briefed on adequate conversation topics, as well as respectful mentoring behaviors. The activity was carried out successfully, and the members both enjoyed and learned from it.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of this activity was to train our members in being effective and respectful mentors to their peers. The lessons learned from this experience will help them grow as mentors, engineers, and human beings. They will be able to apply these skills through their careers, which will in turn allow them to have a positive impact on others during their education as well as during their years as professional engineers, making them well-rounded leaders.

iii. **Organization and Administration**

This activity was coordinated between the chapter president and the professor in charge of the ePEARLS mentor development program. The activity was executed by the senior mentors of the ePEARLS program.

iv. **In Conjunction With**

ePEARLS program

v. **Total Cost**

\$0.0

vi. **Cost Breakdown**

No costs were incurred.

vii. **Special Problems Encountered**

Member attendance was an issue since several of those who wanted and eventually became members did not attend this workshop. In the future, this could be remedied by speaking with each person individually about the workshop several days or perhaps weeks before the activity.

viii. **Overall Evaluation**

Overall, the activity was a success. Everyone who attended enjoyed the innovative and interactive nature of the virtual workshop, which was carried out through a software called Gathertown. However, for future mentors it would be best to carry out this workshop in person, which will be possible as the pandemic improves and would help improve the attendance rate.

4 Beach Clean-Up

Puerto Rico Alpha

1. Project Information

- i. Date(s): 09/25/21
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Other	21
Members	4
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
2.0	3.0

2. Project Evaluation

i. General Description

In collaboration with two other student organizations, our TBP-PRA aided in the planification and promotion of this Beach Clean-Up activity. The broad goal of this activity was to give back to our community, considering that, during the years of the pandemic, our beaches were still being used but were seldom cared for by their community. Given that we were three organizations, we divided the needed tasks accordingly, each having a specific objective of planning, promoting, and preparing for the activity. In the end, the activity was a success, even though there was ultimately little TBP representation at the actual clean-up.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

First and foremost, this project ties in perfectly within the community area of our mission. This activity allowed students to meaningfully contribute to the welfare of their surroundings through community service. In addition to doing our part to help preserve our community's beaches, this activity also served as a platform on which to build stronger ties with other student organizations related to engineering within our university.

iii. Organization and Administration

IISE and TBP were in charge of planning and promotion, while PESS was in charge of materials

and coordination. On the day of the activity, the members started with a social activity with other two organizations, the Pharmaceutic Engineering Student Society (PESS) and the Institute of Industrial & Systems Engineers (IISE). The three organizations then divided into small groups of 4 to 5 people to begin the beach clean-up. The organizations spent approximately two hours cleaning the beach, collecting trash and disposables for around 1 mile off the beach coast.

iv. **In Conjunction With**

IISE and PESS (described above)

v. **Total Cost**

\$26.41

vi. **Cost Breakdown**

The costs incurred were to buy supplies for the clean-up, such as trash bags, hygiene supplies and water.

vii. **Special Problems Encountered**

TBP member attendance was very low, despite having advertised the event several times. This low attendance was likely due to the pandemic since at that point restrictions were still in place and covid numbers were high.

viii. **Overall Evaluation**

The activity was carried out successfully and several trash bags were filled. This was achieved mainly due to the collaboration between the three organizations, which helped create bonds between our organization and theirs. In the future, to improve the attendance, this activity should be done during a time where the pandemic is under control and people can interact with more confidence about their safety.

3. **Additional Attachments**

Figure 4: Activity Flyer

The flyer is a rectangular graphic with a blue background and a central photograph of a beach with waves. At the top left, there is a globe icon and the text "INSTITUTE OF INDUSTRIAL & SYSTEMS ENGINEERS TBP, IISE & PESS". At the top right is a circular logo with a stylized figure. Below this, the text "INVITES IT'S MEMBERS TO:" is written in white. The central text "Beach Clean Up" is in a large, white, cursive font. To the right of this text is a square QR code. At the bottom left is a paw print icon and the text "PESS - Pharmaceutical Engineering Student Society". At the bottom center, the event details "SEPTMBER 25 - 9AM-12PM LITORAL" are listed. At the bottom right is the circular logo for "TAU BETA PI THE ENGINEERING HONOR SOCIETY". At the very bottom, the text "* EVIDENCIA DE VACUNA REQUERIDA *" is written in white.

Figure 5: Activity picture 1



Figure 6: Activity picture 2



5 Mentoring Program Overview

Puerto Rico Alpha

1. Project Information

- i. Date(s): 09/28/21
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Students	17
Members	4
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
2.0	1.0

2. Project Evaluation

i. General Description

As part of the establishment of the TBP Mentoring to Honors program, this event was held to inform the potential mentees about what the program would be like, what it had to offer them, and why we were doing it. It also served to inform them about Tau Beta Pi and the benefits of being a member of our organization.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of this activity was to inform the first- and second-year students about the benefits of being mentored by Tau Beta Pi members, since our members possess excellence both academically and professionally. It also served as the step towards giving back to our engineering community by helping these students succeed in the initial stages of their careers that have been so affected by the pandemic and other situations on our island. In addition, activities like this allow us to establish a presence in their lives long before being eligible to become a member.

iii. Organization and Administration

This activity was organized by the chapter president and distributed by both the chapter secretary and chapter web master. The event was executed mainly by the chapter president, who interacted with the students and provided the overview of the mentoring program being presented.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

No costs were incurred.

vi. **Special Problems Encountered**

Once again, attendance was an issue, since less than half of the students that initially demonstrated interest in the program actually attended the overview, however a few of them did reach out to notify that they would not be able to attend, despite their interest in participating.

vii. **Overall Evaluation**

The event was quite successful. Several students were very interested in participating as mentees in the program after the overview. These students went on to participate in the mentoring program and benefited from other activities that originated from this one. In the future, this program should be carried out in person to improve its impact.

3. **Additional Attachments**

Figure 7: Flyer

**MENTORING PROGRAM
OVERVIEW**

¡EMPEZAMOS EL PROGRAMA!
Discutiremos puntos importantes del programas.

 **Martes, 28 de
septiembre**



 **6:30 PM**

Regístrate aquí

taubetapi.pra@gmail.com

6 Fall 2021 Smoker

Puerto Rico Alpha

1. Project Information

- i. Date(s): 10/07/21
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	5
Electees	34

- v. Average number of hours per person spent:

Participating	Organizing
2.0	2.0

2. Project Evaluation

i. General Description

As part of the initiation process, our chapter carried out its Fall Smoker. During this virtual activity the candidates learn about Tau Beta Pi and the benefits of belonging to our prestigious organization. Afterward, they are divided into groups, with whom they will be coordinating and executing an activity throughout the semester. This event marks that beginning of their path towards becoming Tau Betas.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of this activity is to inspire the candidates to continue the process towards initiation to ultimately join our organization. In addition, the candidates are briefed on what it takes to become a member, and how to achieve this.

iii. Organization and Administration

The activity was mainly organized by the chapter Vice President. The Webmaster made the presentation and the flyer, while the chapter Secretary promoted the event. In addition, both the chapter Vice President and the Secretary divided the candidates into groups. The presentation was given by the Vice President, the Webmaster, the Secretary, and the Treasurer. At the end of the activity, there was a Bent Bingo for the candidates to have enjoy and get to know each other a bit.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

No costs were incurred.

vi. **Special Problems Encountered**

No special problems.

vii. **Overall Evaluation**

Overall, the activity was quite successful, with a large number of candidates attending. After learning about Tau Beta PI, most of the candidates were very eager to participate and ultimately become members. In the future, hopefully the Smoker can be held in person to increase the number of people who get motivated to pursue a TBP membership.

3. **Additional Attachments**

Figure 8: Activity Flyer

TAU BETA PI PUERTO RICO ALPHA TE INVITA AL:

SMOKER

**Reunion
virtual
introductoria**

**7/octubre
7:00 pm**

**TAU BETA PI
THE ENGINEERING HONOR SOCIETY**

7ctalk@gmail.com

Figure 9:

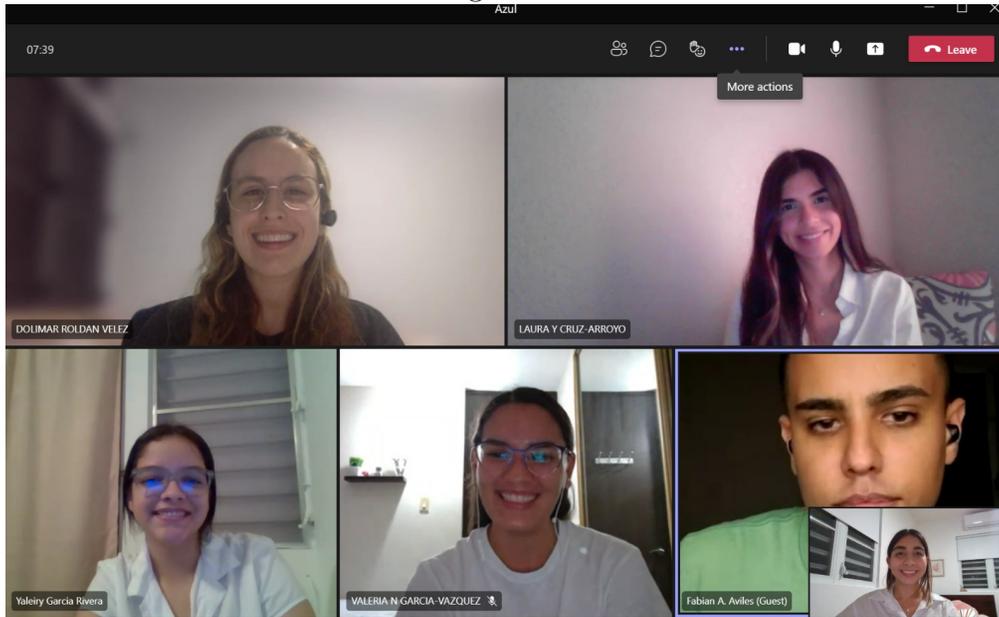
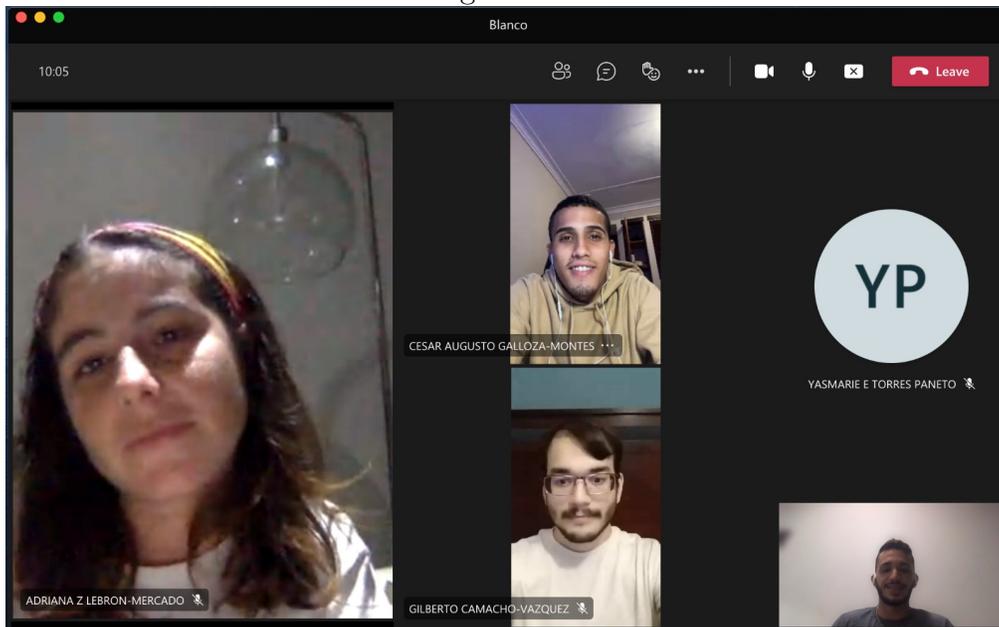


Figure 10:



7 Study Habits and Time Management

Puerto Rico Alpha

1. Project Information

- i. Date(s): 10/20/21
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Mentees	15
Members	5
Electees	2

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.5

2. Project Evaluation

i. General Description

As part of our chapter's TBP Mentoring to Honor program, we wanted to ensure that our first- and second-year mentees received the necessary tools and techniques to be successful in the start of their academic careers. Thus, this virtual workshop was intended to provide the students with helpful study strategies as well as time management tips to help them cope with the stresses of their courses and the pandemic. The workshop was provided by an external resource and was quite a success. The mentees found it helpful, as well as those to whom the presentation was shared afterward. In addition, the mentees from the ASME UPRM organization, with whom our activity was shared, also enjoyed and benefited from the workshop.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of this activity was to, through our mentoring program, help the rising engineering students obtain the tools and techniques necessary to have a successful start of their academic careers despite the setbacks and academic gaps caused by the pandemic and other situations on our island. Activities like these help us give back to the engineering community, as well as create awareness and establish our presence as an organization in the lives of these young students. Moreover, By sharing this workshop with other organizations (ASME), we expanded our impact on the young engineering student community.

iii. **Organization and Administration**

The activity was coordinated between the chapter president and the external source. The promotion of the activity was carried out by our webmaster and our secretary. In addition, we shared our activity with another organization, ASME UPRM, who also had their own group of mentees that enjoyed the workshop. Overall, the activity went according to plan.

iv. **In Conjunction With**

ASME UPRM

v. **Total Cost**

\$0.0

vi. **Cost Breakdown**

No costs were incurred.

vii. **Special Problems Encountered**

No special problems were encountered during this activity.

viii. **Overall Evaluation**

Ultimately, the activity achieved its intended goal. The first- and second-year students that attended, from both organizations, expressed their gratitude for the provided information. In addition, the presentation was shared with other students that were able to attend. In the future, we believe the activity would be more impactful if it were carried out in person rather than virtually, which can eventually be achieved as the pandemic improves.

8 Officer Dinner

Puerto Rico Alpha

1. Project Information

- i. Date(s): 11/07/21
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	4
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
1.0	4.0

2. Project Evaluation

- i. **General Description**

Due to the pandemic, social interactions have been very restricted and maintained at a minimum throughout the semester. Taking advantage of the improving pandemic situation, this activity was done for the officers to finally meet in person and get to know each other.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

The purpose of this dinner was for the officers to finally meet in person, adding the personal interactions that were lacking due to the pandemic. Further, these personal interactions led to stronger bonds being formed among the officers, which were necessary to improve the performance and trust among them.
- iii. **Organization and Administration**

The activity was coordinated by the chapter president, with restaurant suggestions from the other officers.
- iv. **Total Cost**

\$0.0
- v. **Cost Breakdown**

Everyone paid for their own meal; thus no cost was incurred by the chapter.

vi. **Special Problems Encountered**

No special problem.

vii. **Overall Evaluation**

Everyone had a wonderful time, enjoying the view, the food, and the company. Everyone involved agreed that it should be done again, and that stronger bonds were made throughout the time spent together.

9 Putty Crash Course

Puerto Rico Alpha

1. Project Information

- i. Date(s): 11/11/21
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	12
Electees	1

- v. Average number of hours per person spent:

Participating	Organizing
5.0	0.5

2. Project Evaluation

i. General Description

A video was prepared by the mentors of the Tau Beta Pi mentoring program: Mentoring to Honor in order to provide insight and help guide the mentees through the peculiar enrollment process at our university.. The video detailed to the 1st and 2nd year undergraduate mentees how to enter the enrollment system called 'Putty' and enroll in their respective courses for the Spring 2022 semester.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

The video was intended to help the mentee students that have had a rather unusual start to their college studies have a good idea about how to successfully navigate the peculiar university enrollment system.

iii. Organization and Administration

The members that belong in the Tau Beta Pi Mentoring to Honor program helped prepare the presentation, edit the video and share the resource with their respective students.

iv. Total Cost

\$0.0

v. **Cost Breakdown**

No cost was incurred and only the mentors were involved in the production/distribution of the video.

vi. **Special Problems Encountered**

No problems arose during the creation or distribution of the video.

vii. **Overall Evaluation**

Students that accessed the video were able to learn and successfully enroll in their courses along with the help of their respective mentors.

3. **Additional Attachments**

Figure 11: Activity Flyer



10 Albergue de Animales Villa Michelle/ Villa Michelle Animal Shelter

Puerto Rico Alpha

1. Project Information

- i. Date(s): 11/13/21
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Students	18
Members	2
Electees	16

- v. Average number of hours per person spent:

Participating	Organizing
2.0	5.0

2. Project Evaluation

i. General Description

TBP wanted to carry out an activity community that would have a great impact on animals and that is why was planned an activity to visit and collect donations for the " Villa Michelle Animal Shelter " in Mayagüez. Since we recognize the importance of shelters, we wanted to promote and offer our help to promote animal care. We share this invitation, two weeks before our visit, not only with the members of the association, but also with the entire community.

We were fortunate to obtain participation from groups outside the university, such as the faculty and students of the Carmen Casasús Marti Public School (K-6th Grade) in Añasco as part of "An Act of Love at Thanksgiving." This filled us with great enthusiasm because we saw the seed of respect, love and care for animals planted in these children. Villa Michelle opened the doors to us for feeding, walking and bathing the dogs on November 13, 2021 and a delivery of \$ 240.00 was made, in addition to articles for necessities. We conclude that this activity can be considered a successful one due to the enormous monetary aid received, donations of items and the assistance of our (11) volunteers.

ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

Exemplary character is shown not only in the academic field but also in how Tau Bates give back to the community. In this time when the solidarity is so important, events like this show how Tau Beta Pi members are well rounded members.

iii. **Organization and Administration**

This activity was held by Tau Beta Pi and organized by Laura Cruz, Yaleiry García, Valeria García, Dolimar Roldan, and Matthew Ruiz.

iv. **In Conjunction With**

Carmen Casasús Marti School in Añasco, Puerto Rico

v. **Total Cost**

\$0.0

vi. **Cost Breakdown**

There were no cost deductions for this activity. However, the team collect \$240.00 as donations for Villa Michelle Animal Shelter.

Given the COVID-19 pandemic, it was required that the sanitation protocols be complied with, and that each person who volunteered had to be fully vaccinated. For this reason, there was an established schedule to attend the animals with a limited capacity of people, with 11 volunteers distributed throughout the day in order to fulfill the objectives of the activity.

vii. **Special Problems Encountered**

No problems were encountered during the organization and realization of this activity.

viii. **Overall Evaluation**

All the objectives were over the past. This activity allowed not only to have an impact on the community but also contributed to education at the K12 level and allowed the students of the chapter to interact more with the school community.

In addition to making an economic impact for the shelter, essential items were donated for the animals, who were also given care and affection during the day of the activity. The animals, both dogs and cats, received walks, baths and were given care and food for their well-being. For this reason, this event demonstrated the characteristics that TBP Engineers represent.

3. **Additional Attachments**

Figure 12: Activity Flyer

"Flyer" y mensaje para promoción de actividad:



Figure 13: Activity Picture

Fotos de Actividad y Visita

Donaciones de "Actor de Amor y Agradecimiento" por parte de Escuela Carmen Casasús Martí de Añasco



Figure 14: Activity Picture



Figure 15: Activity Picture

Visita al Albergue de Animales Villa Michelle y entrega complete de artículos donados



11 Linked-In Workshop

Puerto Rico Alpha

1. Project Information

i. Date(s): 11/29/21

ii. New/Recurring Project: New

iii. Project Areas:

- Custom
- Community/Liberal Culture
- University/College
- Profession/Engineering
- Chapter/Social
- Education/Professional Development
- K-12 STEM

iv. Number of persons who participated:

Category	Count
Other	1
Members	5
Electees	35

v. Average number of hours per person spent:

Participating	Organizing
4.0	1.0

2. Project Evaluation

i. General Description

This activity was planned and organized by the white group electees. The group reached out to a contact to provide a workshop on the application Linked-In. The workshop lasted an hour and the presenter gave valuable information on how to have a professional Linked-In and tips on how to attract the attention of company's members or electees want to work for in the future.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

Linked-In is a platform that can be beneficial for the development of any engineer. By using the app you can connect with potential recruiters. After receiving the information provided members of Tau Beta Pi can have easier access to potential career opportunities in the future.

iii. Organization and Administration

The groups belonging to the color white organized this activity. The planning was administered by electees to prove they have the Tau Beta Pi leadership characteristic. They reached out to the presenter, created the promotion and organized the virtual meeting through Microsoft Teams.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

No costs were incurred by the chapter for this activity.

The only personnel requirement was Laura Cruz-Arroyo, the presenter of the workshop.

vi. **Special Problems Encountered**

Due to the on-going pandemic (2021) the meeting was held virtually.

vii. **Overall Evaluation**

After the presentation many students revised their Linked-In profiles. Some of the changes made to the profiles were adding a professional picture with a current look, adding any work done, connecting with Laura and adding any company or school of interest.

3. **Additional Attachments**

Figure 16: Activity Flyer



12 Engineering 101

Puerto Rico Alpha

1. Project Information

i. Date(s): 11/29/21

ii. New/Recurring Project: New

iii. Project Areas:

- Custom
- Community/Liberal Culture
- University/College
- Profession/Engineering
- Chapter/Social
- Education/Professional Development
- K-12 STEM

iv. Number of persons who participated:

Category	Count
12th grade students	2
Members	2
Electees	5

v. Average number of hours per person spent:

Participating	Organizing
5.0	1.5

2. Project Evaluation

i. General Description

This project was planned by electees of the Tau Beta Pi PR Alpha Chapter (Green Group). It was created as a tool for 12th grade students to learn about the advantages of the different areas of engineering offered in the University of Puerto Rico Mayagüez.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

As the Tau Beta Pi is an engineering honor society, it is vital for the organization to introduce the different areas of engineering to various groups of people. This activity was created to introduce these areas of engineering to high school students in order to interest them in studying engineering. Not only this, but it also introduced them to TBP and what the organization represents within the engineering community.

iii. Organization and Administration

The organization was led by TBP electees from the Green Group. Each electee selected an area of engineering they felt could explain to the greatest of detail and its role in the engineering community. Another set of electees were in charge of outreaching this to a nearby school and any high school student who wanted to attend. Though the activity flyer was initially presented to various high school students, only two students attended the activity.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

No costs were incurred for this activity.

vi. **Special Problems Encountered**

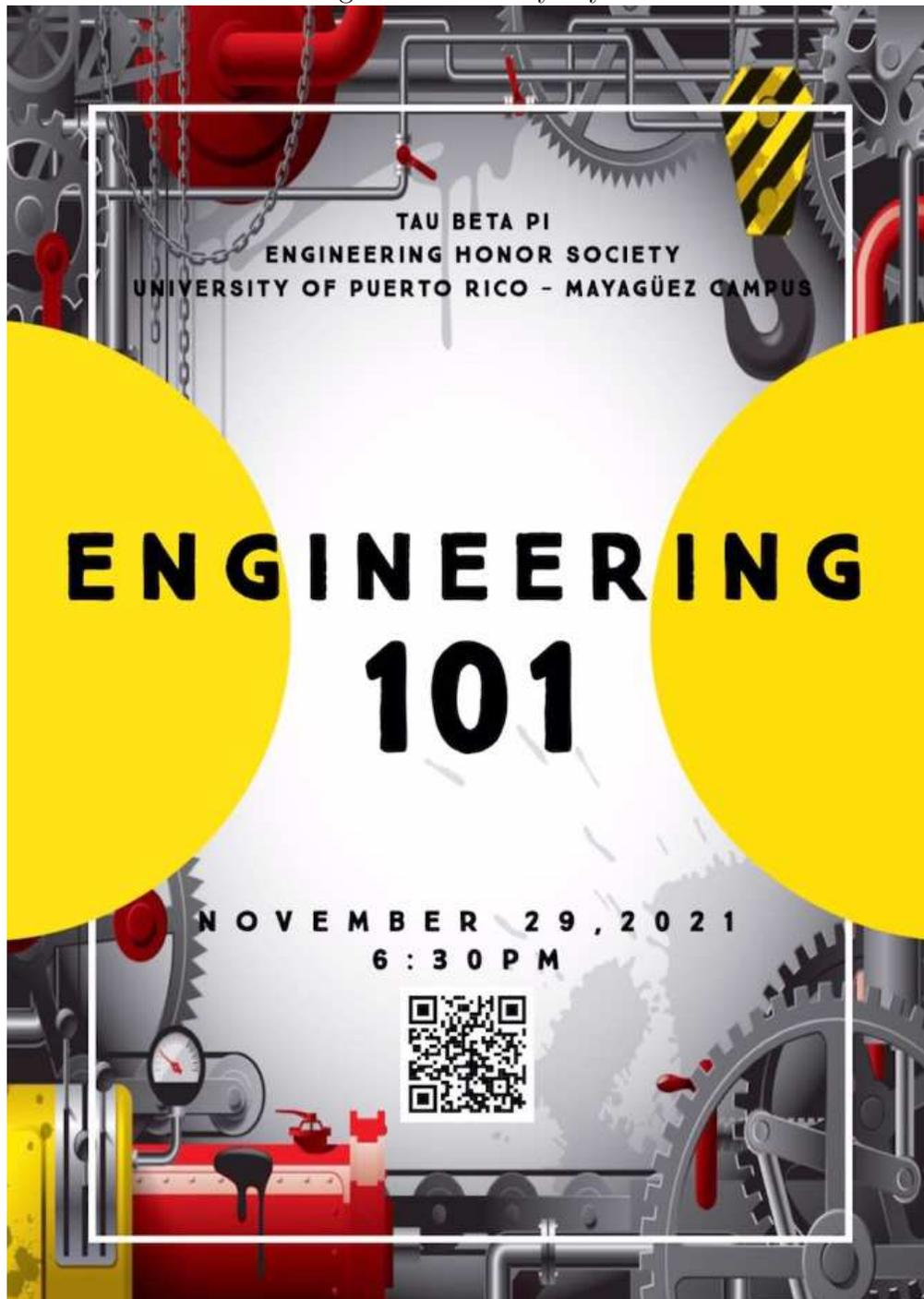
Initially, there were expected to be at least 20 student participants. Due to communication issues with the schools, only two students attended and did not meet the initial expectation. Nonetheless, the presentation served very useful for the students who did attend. Another problem was the loss of electees due to work/school work/disinterest in the activity. Nonetheless, the remaining electees were able to manage the division of work and could overcompensate for the loss of initial elect

vii. **Overall Evaluation**

The overall impact of the presentation was very positive to those students who did attend. The presentation did achieve what was intended, though it could have had a greater impact if there was more high school student participation. A similar project can be done again in the future maybe with more time of anticipation. This would give the invited students/schools more time to prepare for the event, making them more available to attend. The chapter could improve this by giving more time for the electee groups to create these presentations/activities.

3. **Additional Attachments**

Figure 17: Activity Flyer



13 Fall Election Meeting

Puerto Rico Alpha

1. Project Information

- i. Date(s): 11/29/21
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	6
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
0.5	2.0

2. Project Evaluation

i. General Description

The election of new members for the fall semester. Mentors presented their recommendations to the active membership, who in turn would vote (secretly) to grant or deny election to this semester's set of candidates.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

Required by the Constitution and Bylaws of the Association, and the Puerto Rico Alpha Chapter Bylaws, the election allows us to discuss the character of the candidates thus far, elect those candidates we deem worthy of membership into our Association, and invite those elected candidates to membership in Tau Beta Pi, thus fulfilling our primary objective, "to mark in a fitting manner..."

iii. Organization and Administration

All undergraduate students were divided into 4 groups, with the officers serving as mentors for their groups. These mentors helped them organize their activities but also served as the primary evaluators of their character. Prior to the election meeting, the mentors made their recommendations available on the points tracker; this in turn was made available to the Chief Advisor, Josuan Hilerio, who prepared an online form where the members would submit their votes. Immediately before the meeting, once quorum was established, the Eligibility Code was read.

During the meeting, each of the mentors discussed the merits of the candidates they believed were worth of membership, and also the reasons why they believed certain candidates should not be elected as well. As per our Bylaws, members not receiving a favorable recommendation from their members were purged and considered individually, whereas the rest of the group that received a favorable recommendation was voted on together as one group. Our Chief Advisor, Josuan Hilerio, presided the Election.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

No costs were incurred in this meeting. As always, election was limited to active members of the Chapter.

vi. **Special Problems Encountered**

This was the first opportunity for most members to elect fellow candidates, as usual they needed to be reminded that we're not evaluating interest in joining but their personal character. Because officers held a double role as mentor and officer, many were overworked and while evaluations were fair, there were many candidates we could not form a concrete opinion of. This made clear the need for independent mentors who could help their groups while the officers ran the Chapter.

vii. **Overall Evaluation**

39 candidates were elected, including those postponed from a previous semester. The election went smoothly, and there was discussion, as expected.

14 Fall 2021 Initiation

Puerto Rico Alpha

1. Project Information

- i. Date(s): 12/03/21
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	7
Electees	21

- v. Average number of hours per person spent:

Participating	Organizing
5.0	2.0

2. Project Evaluation

- i. **General Description**

After a difficult semester filled with pandemic-related difficulties, strikes, and political movements, Puerto Rico Alpha formally and successfully added 21 members to its roll book as part of the virtual Initiation Ritual. Afterwards, an interactive activity was done for the members to get to know and interact with each other.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

The final step for all candidates on their road to membership is the Initiation Ritual, which informs them of the requisites, history and objectives of the organization. The virtual game held afterwards was the final social event of the semester.
- iii. **Organization and Administration**

The Ritual of Initiation is led mainly by the President and Vice President of Initiations, with the remainder of the officers lending a hand in the successful delivery of the virtual ritual.
- iv. **Total Cost**

\$0.0
- v. **Cost Breakdown**

No costs were incurred since it was a virtual Initiation.

vi. **Special Problems Encountered**

Member turnout for volunteers was low, so chapter officers had to take care of all the details.

vii. **Overall Evaluation**

The ritual was carried out successfully and enjoyed by the initiates, despite the virtual format. Similarly, the new members that participated in the activity had fun and enjoyed their time.

15 Tau Beta Pi Scholarship 2022 How to Apply

Puerto Rico Alpha

1. Project Information

- i. Date(s): 02/18/22 - 02/22/22
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	4
Electees	6

- v. Average number of hours per person spent:

Participating	Organizing
5.0	10.0

2. Project Evaluation

i. General Description

The purpose of this event was to create a virtual meeting for members and inform them how to apply for the Tau Beta Pi scholarship which it's deadline is on April 1st for this year 2022. The members wanted to know what were the requirements and paperwork needed. The project is then continued when the presentation is sent via email to the members.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

Tau Beta Pi offer scholarships to its members but sometimes members are unsure as to where they need to apply and what they need to submit. Though the Tau Beta Pi community sends reminders via emails, sometimes these can get lost for some members and thus the virtual meeting was held to inform the members of how to apply for this scholarship that the association offers.

iii. Organization and Administration

The treasurer was present in the meeting to help organize the meeting. The media manager prepared the presentation and gave it to the members. The President, Vice-president and Secretary helped with the presentation and planning of the event creating links to the event and sending emails to the members. The presentation was also forwarded via email thanks to the Secretary and the five members mentioned above are currently attending any inquiry the members might present after the presentation was given; specially to those that couldn't attend.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

Because this project was simply to explain and informative the information can be transmitted independently if people assisted or not. Some members reached out afterwards saying they were working on submitting the scholarship.

vi. **Special Problems Encountered**

Due to covid this meeting was held virtually.

vii. **Overall Evaluation**

The chapter has receive many inquiries about the Tau Beta Pi Scholarship. We hope that many of our members can use the presentation and resources to their advantage. This presentation also can remain within the Tau Beta Pi Puerto Rico Alpha chapter for many years to help future members know how to prepare for the application of the Tau Beta Pi Scholarship.

3. **Additional Attachments**

Figure 18:



Figure 19:



The graphic is a promotional poster for the Tau Beta Pi Scholarship 2022. It features a yellow and blue color scheme. At the top left is a photograph of a silver anchor. To the right is the official seal of the Tau Beta Pi Association, which includes the text 'TAU BETA PI ASSOCIATION' and the year '1885'. Below the seal, the text 'Tau Beta Pi' is written in a large, bold, serif font, with 'The Engineering Honor Society' in a smaller font underneath. The main title 'Tau Beta Pi Scholarship 2022' is centered in a bold, black, sans-serif font. Below this, the text 'How to apply' is also centered. The date '22 de febrero de 2022' and the time '6:00 pm' are centered below the application information. A QR code is positioned in the center, with a small Microsoft Teams icon to its left and the text 'QR code Microsoft Teams' below it. On either side of the QR code are stylized, 3D-rendered anchors in yellow and blue.

Tau Beta Pi
The Engineering Honor Society

Tau Beta Pi Scholarship 2022
How to apply
22 de febrero de 2022
6:00 pm

QR code Microsoft Teams

16 Spring 2022 Smoker

Puerto Rico Alpha

1. Project Information

- i. Date(s): 03/10/22
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	5
Electees	33

- v. Average number of hours per person spent:

Participating	Organizing
3.0	2.0

2. Project Evaluation

i. General Description

As part of the initiation process, our chapter carried out its Fall Smoker. During this virtual activity the candidates learn about Tau Beta Pi and the benefits of belonging to our prestigious organization. Afterward, they are divided into groups, with whom they will be coordinating and executing an activity throughout the semester. This event marks that beginning of their path towards becoming Tau Betas.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of this activity is to inspire the candidates to continue the process towards initiation to ultimately join our organization. In addition, the candidates are briefed on what it takes to become a member, and how to achieve this.

iii. Organization and Administration

The activity was mainly organized by the chapter Vice President. The Webmaster made the presentation and the flyer, while the chapter Secretary promoted the event. In addition, both the chapter Vice President and the Secretary divided the candidates into groups. The presentation was given by the Vice President, the Webmaster, the Secretary, and the Treasurer. At the end of the activity, there was a Bent Bingo for the candidates to have enjoy and get to know each other a bit.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

No costs were incurred.

vi. **Special Problems Encountered**

No special problems were encountered.

vii. **Overall Evaluation**

Overall, the activity was quite successful, with a large number of candidates attending. After learning about Tau Beta PI, most of the candidates were very eager to participate and ultimately become members. In the future, hopefully the Smoker can be held in person to increase the number of people who get motivated to pursue a TBP membership.

3. **Additional Attachments**

Figure 20: Flyer

 **Tau Beta Pi Puerto Rico**
Alpha te invita al:

 **SMOKER** 
SPRING 2022

**Reunion virtual introductoria
a la asociación de honor
TBP-PRA**



**Jueves 10/marzo
7:30 pm**

17 Beach Clean Up 2022

Puerto Rico Alpha

1. Project Information

- i. Date(s): 03/15/22
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Other	3
Members	2
Electees	6

- v. Average number of hours per person spent:

Participating	Organizing
6.0	11.0

2. Project Evaluation

i. General Description

To evaluate the electees they were divided into groups and assigned to create an activity. This activity was lead and organized by the blue group. Six of the electees participated in organizing the activity. The activity they decided to do was a beach clean up near the university. The idea was to get to the beach and pick the trash and at the end throw it away. A form was created using the things needed to clean up the beach such as: plastic bags, water bottles, gloves, sunscreen and others. Each of the participants brought something to the activity and divided in groups of no less than two to cover as much area possible. When the activity was over there was a met up location to take the trash to a near garbage bin. Luckily there wasn't much trash as other times that electees who lived near by remembered. Still much trash was collected including six large plastic bags, an old tire and an old shopping cart. These items were brought to a near trash and the activity was concluded.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

As leaders the electees must proof they have the necessary skills to belong to Tau Beta Pi. During the activity many members and electees bonded talking about the different projects and extracurricular activities they practice giving a clearer view of who is Tau Beta Pi material. Some of the people that didn't talk about their extracurricular showed other characteristics such as willingness and determination.

iii. **Organization and Administration**

The project was lead by the blue group of the electees. For the planning they made a promotion with QR code for a form to cover every material necessary to bring to the activity. Water bottles, trash bags, sunscreen nothing was missing in this activity. The group carefully reviewed the form to ensure no two objects would be repeated. The cost was evenly distributed. As for coordination of the activity, once the electees, members and other participants were there they were distributed into areas in groups of no less than two to ensure the most posible area could be covered.

iv. **Total Cost**

\$40.0

v. **Cost Breakdown**

Water bottles \$3.45

Sun Screen \$8.00

Trash Bags \$4.25

Gloves \$6.49

Foam Cooler \$9.87

Sanitizer \$7.94

vi. **Special Problems Encountered**

No problems were encountered

vii. **Overall Evaluation**

The chapter reached the goal of evaluating the characteristics of the electees to determine if they have what it takes to be Tau Beta Pi members. The community was impacted as well we encountered many people in their morning run some whom congratulated the group of students who were cleaning the beach. This in the future could be done better by involving other associations or group to cover more area and a bigger impact in the community.

3. **Additional Attachments**

Figure 21: Group



Figure 22: Group



Figure 23: Promotion for the event

TAU BETA PI
THE ENGINEERING HONOR SOCIETY
PUERTO RICO ALPHA-1969

LET US WORK TOGETHER IN
TAKING BETTER CARE OF OUR HOME

Beach Clean Up for the Earth

Litoral Beach
Sunday, April 10, 2022 | 8:00 AM

Register Here!

Paul G. Ramos de Jesus

18 Color Spirit and Bent Hunt

Puerto Rico Alpha

1. Project Information

- i. Date(s): 03/18/22
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	4
Electees	15

- v. Average number of hours per person spent:

Participating	Organizing
1.5	3.0

2. Project Evaluation

i. General Description

As part of the initiation selection process, our candidates need to collaborate amongst their respective group members to plan and execute an activity within one of four main areas: Professional Development, Environmental Impact, Community Service, and K-12. For this purpose, we wanted to give the students an opportunity to meet and interact in person. This activity was composed of three parts: the Color Spirit, Trivia, and the Bent Hunt. The Color Spirit involved having each group, identified by a specific color, arrive with as many respectively colored clothing items as possible. The group with the most items on average would win. Similarly, the team that scored the most points on the Trivia won. Finally, the Bent Hunt involved giving each group a list of clues that would lead them to a location on campus where they would find a Bent. The team that found the most Bents would win. Overall, the activity was a success and the students interacted positively with each other. In the end, the team that accumulated the most wins throughout the activity won the privilege of selecting the specific theme of their activity.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

The ultimate purpose of this activity was to have the candidates get to know each other and build team bonds. In addition, this activity gave us an opportunity to observe how they got

along and if they presented the exemplary qualities and interpersonal skills expected of Tau Betas. The latter of course is of utmost importance for us to determine the eligibility of these candidates for being initiated into our organization.

iii. **Organization and Administration**

The President of the chapter was in charge of administrative tasks, such as reserving the space for the activity, as well as ensuring everyone was briefed on what needed to be done and how the activity should be run. This last part was done with the help of our graduate advisor, who had previously carried out a similar activity during his term as chapter president. During the activity, the people in charge of coordination and execution were our graduate advisor as lead, and our webmaster and candidate group mentors as support.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

No costs were incurred by the chapter.

vi. **Special Problems Encountered**

The only situation that may be considered to have been a problem was attendance. With respect to the candidates, we were notified that several would not be able to attend due to exams, which reduces the attendance problem since these students had a valid excuse. In addition, a handful of candidates were incorporated into groups just a day or so before the activity due to varying reasons, mostly related to not having seen our emails or messages about joining in time.

vii. **Overall Evaluation**

Even though some groups were lower in attendance, the overall number of candidates that attended was satisfactory, since it was around half of the total amount for reasons addressed earlier. Overall, the activity met the expected goals and everyone, members and candidates, enjoyed themselves and got to know each other in person, being the first time that our chapter had such an opportunity since the pandemic began. In the future, the activity could be improved with more time for preparation and promotion to improve attendance, as well the number of members helping in the execution of the activity.

3. **Additional Attachments**

Figure 24: Activity Promo



COLOR SPIRIT

TAU BETA PI

viernes 18, de marzo

4:00 pm

S113 - Stefani 113

- Venir vestidos con accesorios del color de su grupo**
- Trivia**
- Scavenger Hunt (Ropa Comoda)**

Figure 25: Yellow Group



Figure 26: Red Group



Figure 27: Green Group



Figure 28: Blue Group



19 Food Donation

Puerto Rico Alpha

1. Project Information

- i. Date(s): 03/19/22 - 03/21/22
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	1
Electees	13

- v. Average number of hours per person spent:

Participating	Organizing
8.0	12.0

2. Project Evaluation

i. General Description

The Electees from the from the green group gathered for a community oriented activity. The activity consisted of gathering nonperishable food to donate to students with low income. Many students on campus can't afford groceries due to other costs like rent. Some students even have to decide wether to pay rent or but food. Though there are already many associations that help these types of students, the electees of Tau Beta Pi Puerto Rico Alpha decided to support the students and gather donations. The donations were received by the electees and members on the lobby of the engineering building. A sticker sale was also held to purchase any additional item that could be useful in these types of situations.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

In the mission to provide leadership the electees were able to prove their leadership skills. These candidates organized the activity and distributed the donations. Careful planning and organizing was required and leaders are needed in these cases. This activity helped many electees to show off their leadership skills. Lifelong member involvement was also implanted in this activity since the donations were open to everyone who would like to collaborate.

iii. Organization and Administration

One member made sure to guide and support the electees so that the activity would succeed.

One electee bought the stickers that would be sold. Another electee helped with the planning by separating a spot in the Lobby of the engineering building at our university. Another candidate provided the point of contact to help distribute the food bought. One candidate helped with the finance by counting and managing the money from the purchased stickers. Finally one candidate in particular was the muscle of the group and helped by moving and storing all the food gathered from the two days of recollection. On Friday of that week (2022-03-22) the food was given to the point of contact that would then distribute the food. Before this extra food and supplies was bought to donate from the money gathered from the stickers.

iv. **Total Cost**

\$10.0

v. **Cost Breakdown**

The only cost in this activity were the sticker which was purchased for a value of \$10 and the sticker pack brought 100 stickers each sold for \$1 which was used to replace that cost. Realistically since the money was gained again there were no costs.

vi. **Special Problems Encountered**

N/A

vii. **Overall Evaluation**

The donation was made successfully and the donations obtained are believed to help a great number of students. We hope in the future we can continue collaborating with groups that help students who can't afford groceries or food. It is important that students help students specially Tau Beta Pi since it is an association of leadership. Many students may look up to the students who are part of this association and thus we need to make an example out of that. The gratification one feels by helping the community is unmeasurable.

3. **Additional Attachments**

Figure 29:



Figure 30:



Recogido de Alimentos (NO PERECEDEROS)

Martes 19 y Jueves 21 de abril
Hora Universal
Lobby Edificio Luis A. Stefani

*"Dejar una huella positiva
está en tus manos."*

Alimentos irán a El Punto
(Prof. Luis Morell)



Habrà venta
de stickers

Figure 31:



Figure 32:



20 Grad School Workshop

Puerto Rico Alpha

1. Project Information

- i. Date(s): 03/31/22
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Other	10
Members	4
Electees	16

- v. Average number of hours per person spent:

Participating	Organizing
4.0	1.5

2. Project Evaluation

i. General Description

Noting the increased interest in graduate school by members and students alike, we decided to provide a workshop that could inform students about the experience and process of grad school. Given the ties the chapter president has with professors within our university as well as in other universities, the activity was coordinated in conjunction with the wiPREM program, which was holding an event during the week of March 31st. Taking advantage of the visiting professor, Dr. Ive Hermans from the University of Wisconsin-Madison, and his interest in outreach activities with students from our university, the event gained life organically. Originally, the activity was intended to be in person, however an unforeseen strike on campus forced us to switch to a virtual format on the same day of the event. This, we believe, affected the attendance as well as the delivery of the presentation. Overall, the attendees provided positive feedback and enjoyed both the event and the professor.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

Given Tau Beta Pi's mission of educating its members within the engineering profession, this activity directly contributed to the achievement of this goal by providing members and students alike valuable information about the overall experience of graduate school, as well as the learning opportunities and skills it can provide.

iii. **Organization and Administration**

The chapter president organized and executed this activity, while the chapter webmaster prepared the flyer and the secretary disseminated the information to our members and electees.

iv. **In Conjunction With**

wiPREM

v. **Total Cost**

\$0.0

vi. **Cost Breakdown**

Yes, wiPREM, a consortium between the University of Wisconsin-Madison and the University of Puerto Rico-Mayaguez.

vii. **Special Problems Encountered**

Initially, this activity was planned to be in person. However, due to an unprecedented strike on our campus, which forced us to switch to a virtual format on the same day of the activity. Thus, this could logically have had a significant impact on attendance as well as the delivery of this event. Even though all this happened suddenly, our team managed the change quite effectively, with the help of professors from the Chemical Engineering department.

viii. **Overall Evaluation**

The activity was carried out successfully, despite the last-minute format change due to the unforeseen strike. The students enjoyed the presentation as well as the professor and had the opportunity to interact with someone from outside of our university. In the future, strikes notwithstanding, the activity should be carried out in person to ensure the personal contact element and improve the delivery of the key points of the presentation.

3. **Additional Attachments**

Figure 33: Flyer

PUERTO RICO
TAU BETA PI
THE ENGINEERING HONOR SOCIETY
ALPHA

TBP-PRA along with ACS
invites you to:

Chemistry and Chemical
Engineering Grad School
Info. Session

with: Dr. Ive Hermans
from the University of
Wisconsin-Madison

March 31st at 4 p.m.
INQU 106C

prem
wisconsin * puerto rico

21 District 5 Meeting

Puerto Rico Alpha

1. Project Information

- i. Date(s): 04/01/22 - 04/03/22
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	3
Electees	1

- v. Average number of hours per person spent:

Participating	Organizing
0.1	48.0

2. Project Evaluation

i. General Description

The Engineering Honor Society Tau Beta Pi is an organization driven by its student members. The District 5 Meeting is designed to help us as officers with knowing how to run our chapters and what we should do to maintain proper operation and what things to improve. Tau Beta Pi Puerto Rico Alpha had the opportunity of sending 4 persons to this meeting, two current officers and two future officers.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

The point of this trip was to ensure our chapter was up to date with everything we needed to maintain a proper status. It was also intended to serve as ground zero for the officer transition process of each chapter. The meeting also allowed us to interact with other chapters and exchange ideas, problems and potential solutions.

iii. Organization and Administration

The meeting was organized by the District 5 director Josuan Hilerio.

iv. Total Cost

\$0.0

v. **Cost Breakdown**

Travel and housing expenses were covered by Tau Beta Pi Head Quarters. Other expenses were reported by the attendees and, after approved, refunded by Head Quarters.

vi. **Special Problems Encountered**

The only trouble we had was transportation, perhaps for later years a service could be set in place to at least take us to and from the conference events.

vii. **Overall Evaluation**

This was an amazing networking opportunity for each one of the chapter delegates. It is worth mentioning that the organization was great, as well as the hotel and other services provided. Everyone enjoyed interacting with each other, other chapter officers, and administration officers.

3. **Additional Attachments**

Figure 34:



Figure 35:



22 Personal Finances Workshop

Puerto Rico Alpha

1. Project Information

- i. Date(s): 04/05/22
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	7
Electees	19

- v. Average number of hours per person spent:

Participating	Organizing
1.0	1.5

2. Project Evaluation

i. General Description

This workshop was designed to help introduce our members to financial concepts that are generally overlooked throughout college but are very important during adult life. The workshop was provided by Professor Maria Inesta from our Chemical Engineering department. Overall, the participants enjoyed the workshop and found it very helpful.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of this workshop is to contribute to the well-rounded education and preparation of our members for their lives as adult engineers. The workshop provided key information that is essential for retirement planning, property purchasing, and general financial advice.

iii. Organization and Administration

The chapter president organized and executed the activity, with the chapter webmaster making the flyer and the chapter secretary communicating the details with our members through email.

iv. Total Cost

\$0.0

v. Cost Breakdown

No costs were incurred.

vi. **Special Problems Encountered**

No special problems were encountered.

vii. **Overall Evaluation**

Overall, the event was a success. Students were interacting throughout the workshop and mentioned how helpful they found the event in the end. Events like these, which enrich other important aspects of our members' lives, should be given more often, particularly in person.

23 Spring Election Meeting

Puerto Rico Alpha

1. Project Information

- i. Date(s): 04/18/22
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	10
Electees	1

- v. Average number of hours per person spent:

Participating	Organizing
0.5	3.0

2. Project Evaluation

i. General Description

The election of new members for the spring semester. Mentors presented their recommendations to the active membership, who in turn would vote (secretly) to grant or deny election to the semester's candidates.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

Required by the Constitution and Bylaws of the Association, and the Puerto Rico Alpha Chapter Bylaws, the election allows us to discuss the character of the candidates thus far, elect those candidates we deem worthy of membership into our Association, and invite those elected candidates to membership in Tau Beta Pi, thus fulfilling our primary objective, "to mark in a fitting manner..."

iii. Organization and Administration

All undergraduate students were divided into 4 groups; each group had one mentor who was initiated recently (or in the case of one group, had completed initiation requirements but had their initiation postponed). These mentors helped them organize their activities but also served as the primary evaluators of their character. Prior to the election meeting, the mentors made their recommendations available on the points tracker; this in turn was made available to the Chief Advisor, Josuan Hilerio, who prepared an online form where the members would submit

their votes. Immediately before the meeting, once quorum was established, the Eligibility Code was read. During the meeting, each of the mentors discussed the merits of the candidates they believed were worth of membership, and also the reasons why they believed certain candidates should not be elected as well. As per our Bylaws, members not receiving a favorable recommendation from their members were purged and considered individually, whereas the rest of the group that received a favorable recommendation was voted on together as one group. Our Chief Advisor, Josuan Hilerio, presided the Election.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

No costs were incurred in this meeting. As always, election was limited to active members of the Chapter.

vi. **Special Problems Encountered**

Because one of the mentors was not yet an initiated member of the Chapter, they could not vote, and was asked to leave the meeting. Josuan was informed of the meeting details a little late, but everything that needed to happen prior to the meeting and all the links were set in place in a timely manner, so him not knowing did not hinder the progress of the meeting details a little late, but everything that needed to happen prior to the meeting took place in a timely manner.

vii. **Overall Evaluation**

25 candidates were elected, including those postponed from a previous semester. Of these, 18 were initiated, and 4 postponed, so the selection of the candidates does reflect well. The election went smoothly, and there was discussion, as expected. It did last long – about 3 hours, however. Because this is the evaluation of the candidates' character, there is the ability to hold this meeting earlier in the semester and it has been suggested for consideration.

24 Virtual Happy Hour

Puerto Rico Alpha

1. Project Information

- i. Date(s): 04/21/22
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	1
Electees	11

- v. Average number of hours per person spent:

Participating	Organizing
8.0	12.0

2. Project Evaluation

i. General Description

This activity was planned by one of the groups electees. The idea behind this idea was that the groups would come together and get to meet their fellow electees. Members were welcomed to participate as well. A total of 11 electees were gathered and 1 member to supervise. Small talk and games were played that night virtually.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of this activity was that the electees would come together and meet. Since a lot of the electees that participated were to be initiated on the May 2022 initiation it would be a nice idea to have one of the groups meet in one of the activities that another group would make. It was an ice breaker and it also gives a chance to talk about interest inside and outside of engineering. As imagined all of us had a great passion for the engineering profession that was shared that night.

iii. Organization and Administration

One person as always, was in charge of making the promotion. Another of the electees made a power point presentation to present with fun games for the night. One member created the meeting for the time and place. Lastly everyone else was in charge of either planning or spreading the word.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

N/A

vi. **Special Problems Encountered**

N/A

vii. **Overall Evaluation**

Overall the activity was a success. The electees got to meet their fellow, now members. By the time of the activity of initiation everyone pretty much knew each other already. This was a huge relief to the board committee and new members became part of the future committee. One thing I think can be done different in the future is to bring in members so that they can share their Tau Beta Pi experience with future members or electees.

3. **Additional Attachments**

Figure 36: Promotion for the event

The Red Team Invites You to Our

Virtual Happy Hour

**BRING YOUR FAVORITE DRINKS AND
SNACK**

7 - 8 PM
THURSDAY APRIL 21, 2022





The image is a promotional poster for a virtual happy hour event. It features a solid yellow background. At the top, the text 'The Red Team Invites You to Our' is in a simple black font. Below this, the words 'Virtual' and 'Happy Hour' are written in a large, white, stylized script font. Underneath the title, the text 'BRING YOUR FAVORITE DRINKS AND SNACK' is in a bold, black, sans-serif font. The event details '7 - 8 PM' and 'THURSDAY APRIL 21, 2022' are listed in a smaller black font. The bottom half of the poster is dominated by a graphic of two black beer mugs with white outlines, clinking together. In the bottom left corner, there is a circular logo for Tau Beta Pi, The Engineering Honor Society, featuring a green and gold design with the text 'TAU BETA PI', 'THE ENGINEERING HONOR SOCIETY', and 'FACULTY RICO ALPHA 1909'.

25 Ansys Workshop

Puerto Rico Alpha

1. Project Information

- i. Date(s): 04/22/22
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Students	8
Members	2
Electees	17

- v. Average number of hours per person spent:

Participating	Organizing
7.0	27.0

2. Project Evaluation

i. General Description

On this project the elects helped prepared an activity for the Tau Beta Community in Puerto Rico Alpha. A speech was prepared by someone in experience with Ansys and then it was presented to the members and electees. This activity was very popular among the activities we had this year.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of this activity was to teach the members and electees of Tau Beta Pi about the basics of Ansys. Ansys is a programmed with multiple usages such as a design and simulations so it can be used for a wide variety of engineering specialties. The powerpoint presentation was passed on forward for a continuation of learning. Enhancing skills and reviewing old concepts is an importan part of every engineers continued and developing profession.

iii. Organization and Administration

One person was in-charge of organizing and leading the group of electees that prepared the activity. This same person helped create the participation list. Another person was in charge of looking for the spokespersons for the activity. Another person was in charge of preparing the promotions. The directive committee helped spread the word and promote the activity to

the different members. Finally someone was in charge of holding the virtual meeting through Microsoft Teams.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

There were no financial limitations and no cost to the activity.

vi. **Special Problems Encountered**

There weren't any unexpected problems.

vii. **Overall Evaluation**

Some people and some engineering concentrations knew about Ansys more than others. Still they were able to freshen up and even learn a few new tricks. Even though some engineers hadn't heard about the program they can now know about it and if they have to work with someone that is using this program can understand better the person they're working with.

3. **Additional Attachments**

Figure 37: Promotion for the event



26 Stress and Anxiety Management Workshop

Puerto Rico Alpha

1. Project Information

- i. Date(s): 05/03/22
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	8
Electees	11

- v. Average number of hours per person spent:

Participating	Organizing
1.0	2.0

2. Project Evaluation

i. General Description

This workshop was designed to help introduce our members to the warning signs of anxiety and the techniques that exist to avoid anxiety attacks and how to minimize the effects of anxiety on daily life, skill that are very important for student and adult life. The workshop was provided by Professor Gustavo Cortina from our Psychology Department. Overall, the participants enjoyed the workshop and found it very useful and insightful.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of this workshop is to inform our members about efficient and proper ways to handle stress and anxiety throughout their education as well as their adult lives. The workshop provided key information that is essential for the mental and emotional well-being of our members.

iii. Organization and Administration

The chapter treasurer organized and executed the activity, with the chapter webmaster making the flyer and the chapter secretary communicating the details with our members through email.

iv. Total Cost

\$0.0

v. Cost Breakdown

No costs were incurred.

vi. **Special Problems Encountered**

No special problems were encountered.

vii. **Overall Evaluation**

Overall, the event was a success. Students were interacting throughout the workshop and mentioned how helpful they found the event in the end. Events like these, which enrich other important aspects of our members' lives, should be given more often, particularly in person.

27 Spring Initiation Rehearsal

Puerto Rico Alpha

1. Project Information

- i. Date(s): 05/10/22
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	7
Electees	0

- v. Average number of hours per person spent:

Participating	Organizing
0.5	1.5

2. Project Evaluation

- i. **General Description**

A meeting for the initiating team to go over the Ritual, rehearse lines, practice the order of what happens and practice troubleshooting in the event of mishaps.
- ii. **Purpose and Relationship to Objectives of Tau Beta Pi**

The rehearsal was necessary since none of the student members had attended an in-person Ritual. Furthermore, last year's lack of practice led to a relatively embarrassing situation in which an initiate rejected joining and delayed the initiation since the team didn't know how to proceed; practicing this and other situations in person would allow to minimize confusion.
- iii. **Organization and Administration**

This meeting was organized by the Vice President (Zulma), with ample prodding from the President (Jesus) and their Chief Advisor (Josuan). All that was required was a classroom and a time – Zulma coordinated but couldn't find a classroom, Josuan spoke to their newest Advisor, Luis, to see if he had space – he did. After setting a date and time, and selecting the initiation team, all that was left was to show up.
- iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

There was no cost involved in this project. Josuan joined and brought pizza for the team. As per usual – the initiation team must be comprised of members, reading roles were offered to officers first, then the general membership as backup.

vi. **Special Problems Encountered**

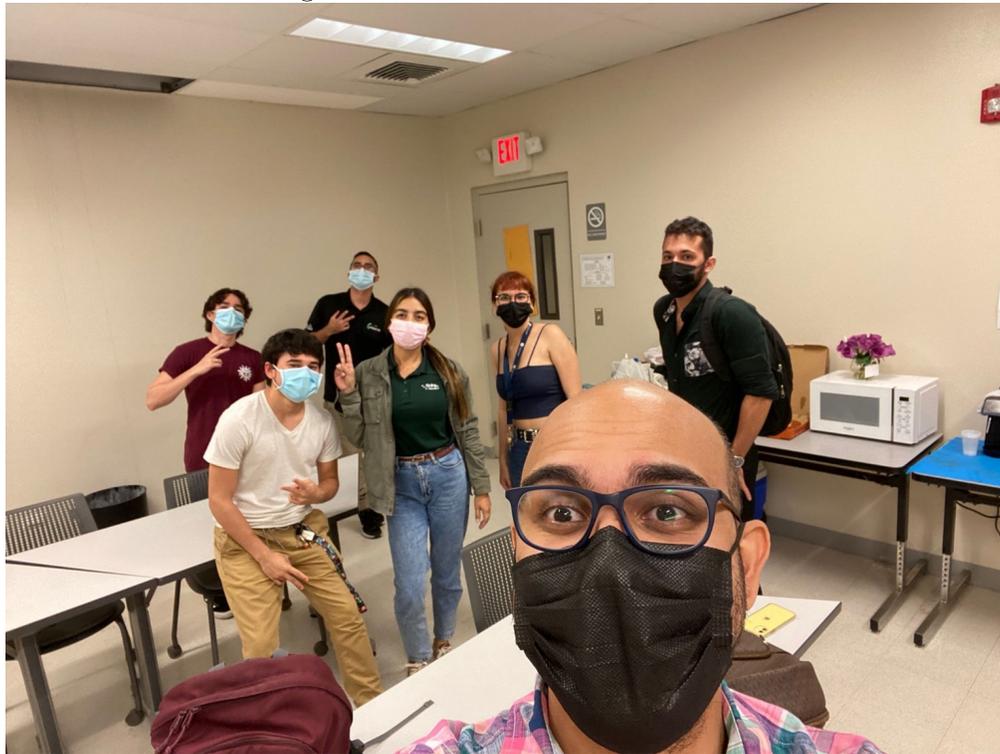
We had one late cancellation from a team member but we had a backup member present (Celymar) so that was covered, and their role was given to her.

vii. **Overall Evaluation**

This rehearsal was very necessary for the Chapter and thankfully with the participation of the Advisors who had seen an in-person initiation, this went well. Both Josuan and Luis were able to cover every aspect of the ritual, with enough warnings and reminders; questions did come up and were answered by the advisors. Most of those with reading roles had at least participated in a virtual initiation, so it wasn't completely new, and focus could be spent on what to do in person. The initiation itself went along smoothly so this practice can be considered successful.

3. **Additional Attachments**

Figure 38: Initiation Team Picture



28 Industry vs. Academia Panel

Puerto Rico Alpha

1. Project Information

- i. Date(s): 05/10/22
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	7
Electees	9

- v. Average number of hours per person spent:

Participating	Organizing
3.0	2.0

2. Project Evaluation

i. General Description

This activity was intended to expose our interested members and electees to the possible career options in their near future. To this end, we acquired panelists that had worked in industry, academia, and both, thus providing a variety of perspectives on each career option. The participants were very engaged with the panelists and asked them questions throughout the panel. The panelists were Professor David Suleiman from our Chemical Engineering department, Professor Oscar Marcelo Suarez from the Materials Science and Engineering department, Professor Mayra Mendez from the Industrial Engineering department, and Engineer Josuan Hilerio. Overall, the participants enjoyed the event and found it very insightful and helpful for their career decisions.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

The purpose of this workshop is to contribute to the well-rounded preparation and orientation of our members in preparation for their careers engineers, whether it be in Academia or Industry. The panel provided the participants with key and unique perspectives and experiences relating to each career path, as well as providing our members with general career advice.

iii. Organization and Administration

The chapter president and treasurer organized and executed the activity, with the chapter webmaster making the flyer and the chapter secretary communicating the details with our members through email.

iv. **Total Cost**

\$0.0

v. **Cost Breakdown**

No costs were incurred.

vi. **Special Problems Encountered**

No special problems were encountered.

vii. **Overall Evaluation**

Overall, the event was a success. Students were interacting with the panelists throughout the event and mentioned how helpful they found the advice and information provided in the end. Events like these, which enrich other important aspects of our members' lives, should be given more often, and in person to increase the personal element as well as the delivery of the information.

29 Spring 2022 Initiation

Puerto Rico Alpha

1. Project Information

- i. Date(s): 05/13/22
- ii. New/Recurring Project: New
- iii. Project Areas:
 - Custom
 - Community/Liberal Culture
 - University/College
 - Profession/Engineering
 - Chapter/Social
 - Education/Professional Development
 - K-12 STEM
- iv. Number of persons who participated:

Category	Count
Members	9
Electees	18

- v. Average number of hours per person spent:

Participating	Organizing
20.0	6.0

2. Project Evaluation

i. General Description

After an intense semester filled with activities for candidates, Puerto Rico Alpha formally added 18 members to its roll book as part of the Initiation Ritual. Afterwards, the Initiation Banquet was held for candidates and members to celebrate the newest members of Tau Beta Pi. Members and their friends and relatives are invited to enjoy a wonderful dinner and a night filled with music.

ii. Purpose and Relationship to Objectives of Tau Beta Pi

The final step for all candidates on their road to membership is the Initiation Ritual, which informs them of the requisites, history and objectives of the organization. The banquet held afterwards was the final social event of the semester.

iii. Organization and Administration

The Ritual of Initiation is led mainly by the President and Vice President of Initiations. A group of officer volunteers to decorate the initiation room and prepare the Banquet. Volunteers are requested from the officers and membership for roles in the Ritual and to help with the preparation of the room.

iv. Total Cost

\$400.0

v. **Cost Breakdown**

Several costs are involved as this is the biggest event in the chapter. The only cost incurred was the catering. Chapter officers took care of all the details, decorations, and preparation of the event.

vi. **Special Problems Encountered**

Member turnout for volunteers was low, so chapter officers had to take care of all the details.

vii. **Overall Evaluation**

Members and officers alike commented on what memorable events the Initiation and Banquet were. Not all members and initiated members participated in the Banquet, but for those that did, it was a great one (as commented by several of them) considering it was the first in person Initiation since the pandemic began. The chapter took note and committed itself to repeat the feat the subsequent semesters.