IEEE Members'Data set

Presented by

Hana Elhady
Menna Gamal

Table of Contents

Members at each Committee
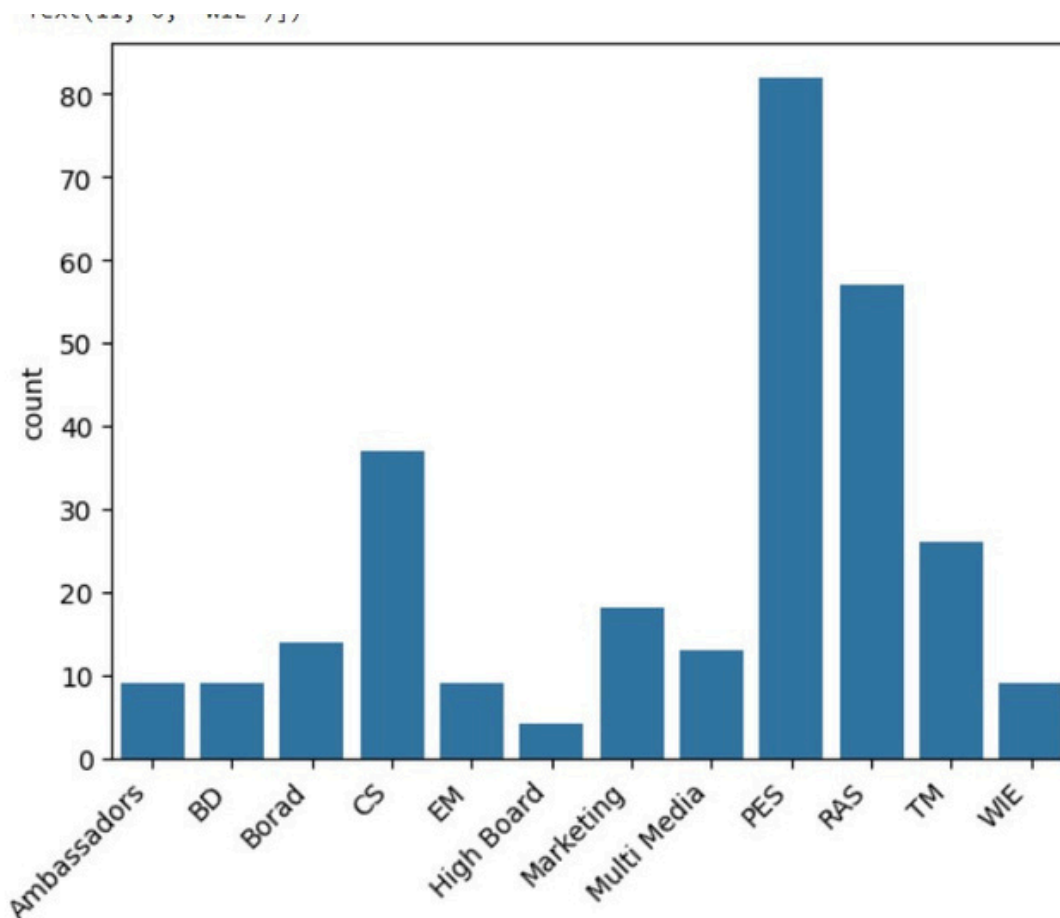
Key Successes

GOAL 1

we successfully visualized the distribution of committee members across various committees.
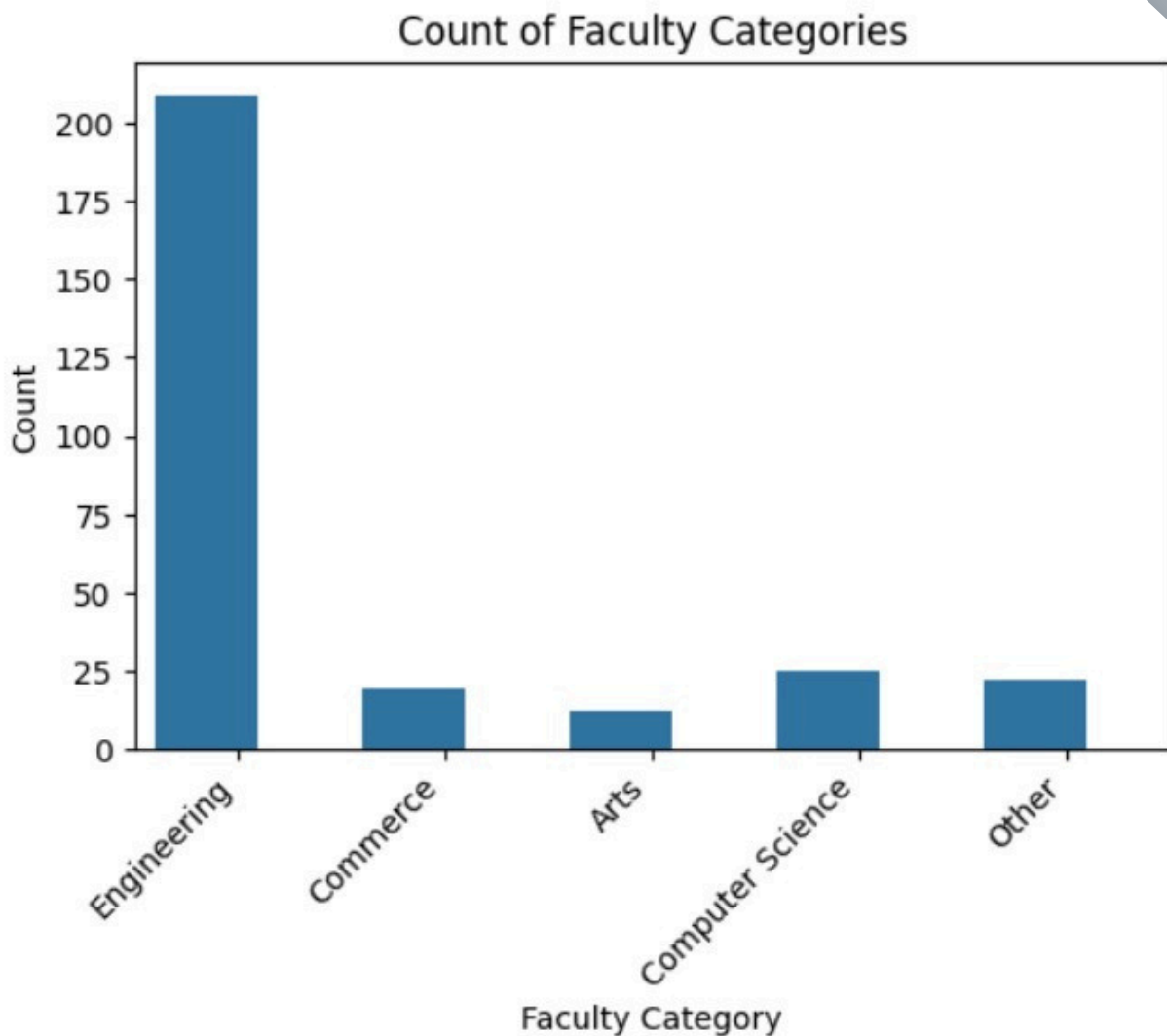
GOAL 2

This analysis is crucial for understanding the current allocation of personnel and identifying potential areas for improvement.

GOAL 3

The visualizations reveal which committees are under-staffed. By analyzing these gaps, we can pinpoint committees that may require additional resources or support.

Targeted Faculties

GOAL 1

We successfully visualized the number of members from each faculty.

GOAL 2

The visualizations reveal the extent of our branding reach across different faculties. By analyzing these gaps, we can identify faculties that may require additional outreach to strengthen our brand presence.

Key Findings

1

- **Higher Technical Chapter Participation: There is a significant increase in members joining technical chapters, indicating greater interest in technology and technical skills.**
- **Lower Non-Technical Participation: Membership in non-technical chapters is relatively low, suggesting reduced interest or fewer incentives in these areas.**

2

- **Unexpected Low Participation in CS Chapter: Despite being open to anyone interested in computer science and programming, the CS chapter has fewer members than anticipated.**

3

- **Strong Presence in Engineering: The CS chapter is well-known within the Faculty of Engineering.**
- **Limited Visibility in Other Faculties: Awareness of the CS chapter is low in other faculties.**

Addressing the Participation Gap

- Lack of Awareness:

  Data indicates that many computer science students are unaware of the CS chapter, which contributes to the low membership.

  Awareness of Chapter Activities: Many students are unaware of what each chapter represents and the activities involved. Improving awareness can help bridge this gap

- Faculty Influence: The majority of members are from the Faculty of Engineering, leading to higher participation in technical chapters.

Recommendations:

- **Boosting participation within the CS chapter will enhance outreach efforts within the computer science student community , this can be done by :**

1. Host Workshops and Events: Invite computer science communities to hold their workshops and events at Faculty of Engineering. This will offer them a place and allow interaction with IEEE members. Use the end of these events to promote the CS chapter.
2. Problem-Solving Sessions: Organize joint problem-solving sessions or other engaging activities that attract computer science students and raise awareness about the chapter.
3. Increase Visibility: Actively promote the CS chapter within computer science departments to inform students about its benefits and opportunities.

- **Enhancing promotion of non-technical chapters will help reach a wider range of faculties and students , this can be done by :**

1. Increase Visibility: Highlight the benefits of non-technical chapters, such as personal development, networking opportunities, and learning experiences.
2. Inclusive Messaging: Emphasize that participation is encouraged across all faculties, and that non-technical chapters offer valuable skills beyond technical expertise.
3. Engagement Campaigns: Develop campaigns to inform non-engineering students about the diverse opportunities available and how they can benefit from joining non-technical chapters.

Ages of members at branch
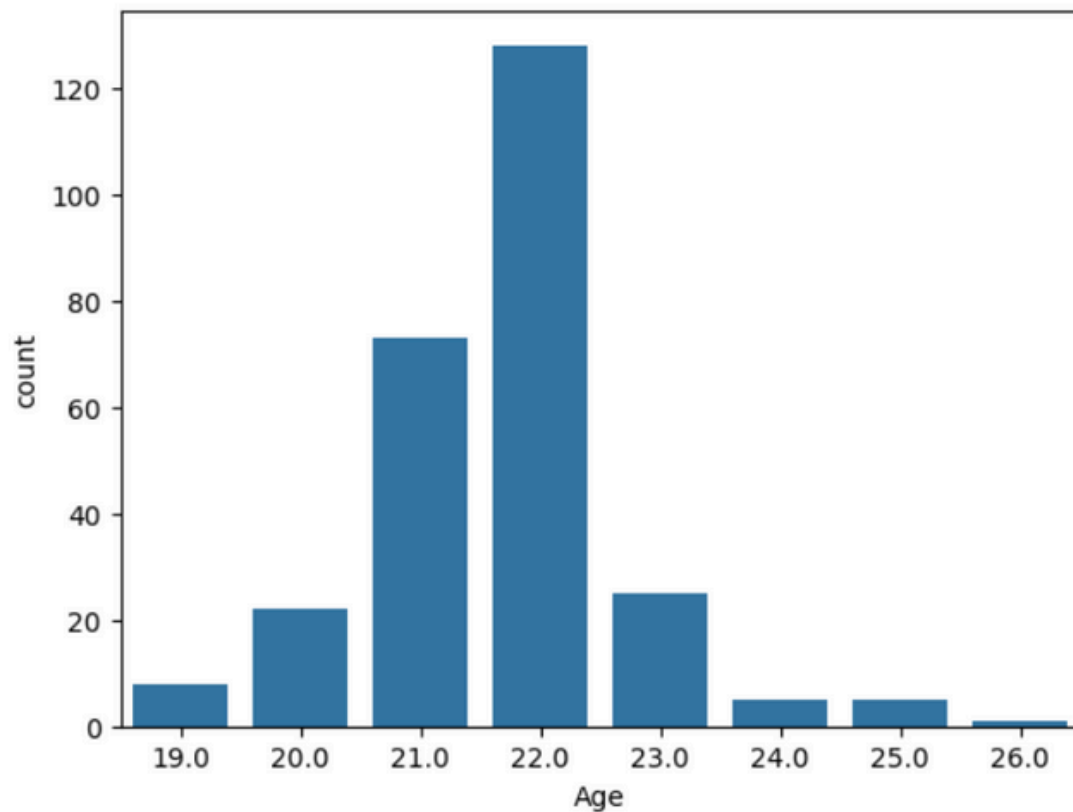
GOAL 1

We successfully visualized the ages of members of the branch

GOAL 2

The visualizations show the ages of members, helping us identify which age categories require more targeted outreach.

Key Findings

- **Fewer Newcomers: The number of members who are newcomers is relatively low.**

1

Addressing the Age Gap

- Newcomers have the least number of members because they often miss the beginning of the season and are unaware of the branch. Additionally, they may feel there is no place for them within the branch.

Recommendations:

- **Early Engagement: Ensure that newcomers are informed about the branch from the start of the season. Provide clear information about what the branch offers and how they can get involved.**
- **Social Media Campaigns: Share engaging reels and posts on social media to inform newcomers about the branch from the start of the season.**
- **Events and Booths: Organize an introductory event and set up a booth in the faculty to interact with new students directly.**
- **Member Involvement: Encourage current members to actively participate in these branding efforts by sharing their experiences, highlighting what the branch does throughout the year, and showcasing past achievements.**
- **Highlight Diversity: Emphasize that the branch welcomes individuals from all backgrounds and experience levels.**
- **Promote Non-Technical Chapters: Inform newcomers about the non-technical chapters available, which offer opportunities to enhance their knowledge and gain valuable experiences beyond technical skills.**
- **Encourage Participation: Actively encourage newcomers to join and become part of the community, showcasing how the branch supports personal and professional growth.**