Society of Women Engineers (SWE) Activities to Help Align Industry and Academia
ENGINEERING NEEDS WOMEN

Conference For High School Girls On Opportunities For Women In Engineering

Mellon Institute Auditorium
Bellefield Ave. Entrance, Oakland, Pgh.

PARENTS AND COUNSELORS INVITED

April 25, 1952 8:00 PM.

SPONSORED BY THE SOCIETY OF WOMEN ENGINEERS
SWE is a Community
Building SWE Identity aligns academia and industry
SWENext DesignLab
Community Engagement Challenge
Challenge

High School *team* to design a *service project* that addresses a specific environmental or economic community need using a hands-on engineering *activity*. The *activity* and *service project* must engage local elementary and/or middle school *participants* using a proposed $1,000 budget.
Key Objectives

★ Design a Service Project that addresses a specific economic or environmental community need using engineering.

★ Outline a proposal to engage elementary and/or middle school students in a way that will introduce them to engineering through a hands-on Activity followed by a Service Project to test the Participant's designs.

★ Demonstrate plans to engage SWE professional and/or collegiate members in Activity and/or Service Project.

★ In addition, the Team should,
  ▪ Introduce the Participants to women in engineering.
  ▪ Familiarize the Participants with SWE and SWENext.
  ▪ Show why it is important for women to be in the field by clearly demonstrating key facts to Participants (e.g. only 13% of engineers are women).
  ▪ Be mindful of bias literacy research and if possible, include some aspect of this training in the Activity.
Resources

- SWE will connect each Team with a SWE Advisor, unless Team requests to work with established SWE Advisor. This member will serve in an advisory role to help the Team think creatively and implement an Activity that provides accurate engineering insights.

- Top 3 teams at each DesignLab will be awarded $1000 to implement their proposal.

- Nine top teams will be entered into Design Challenge Round Up and one team will be selected by SWE members for an all expenses paid trip to our annual conference in Anaheim.
Benefits of Participation

★ Community Engagement Opportunity
★ Engagement with Women in Engineering
★ Invitation to DesignLab
★ Grant Proposal Writing Experience
★ Project Implementation Experience
★ Leadership Experience
★ Exposure to Bias Literacy Training
★ Role Model Training
★ Professional Presentation Experience
Thank You!

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