ENGR 100 & E-FIGs: Section Plan

Creating Conversations

Motivation

Current practices….

- Lack of conversation around diversity and equity within the College of Engineering
- Inconsistency/disparity between programs in facilitating these conversations/knowledge
- Proven bias within the academic engineering community

Cause…..

- Lack of consideration of these critical issues
- Closed mindset
- Lower participation of minority populations

Problem Statement

COLLEGE OF ENGINEERING
UNIVERSITY of WASHINGTON

UW CoE Goal: Increase **diversity, inclusion, and access** to foster excellence: We are dedicated to further developing and growing our diversity programs; recruiting and retaining a diverse faculty and student population; growing diversity-focused student scholarships and fellowships; and expanding our student academic services.

- The department of Engineering does not conduct regular conversation around issues in advancing diversity, equity and inclusion
- Systematic changes to instruction early on in the college career can help create a more inclusive environment
- Awareness & conversation are key!

Intervention

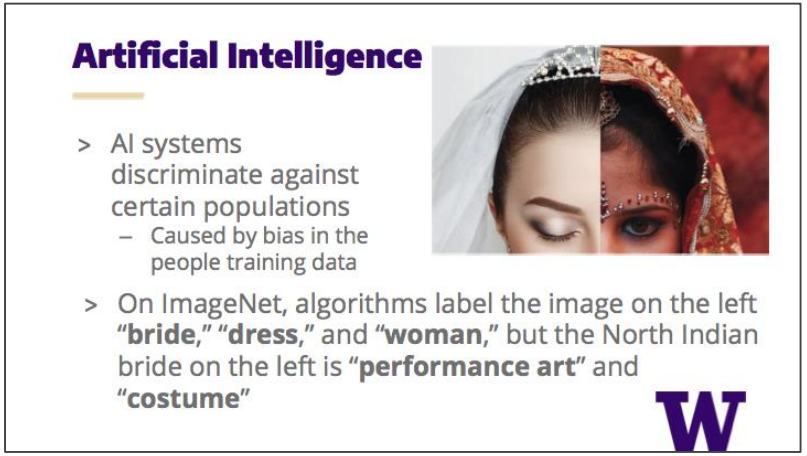
ENGR 100 Introduction To Engineering Design (5)

Course Description:

Introduction to design and communication principles through engineering project approach, stressing teamwork, design process, specialties and tools of engineering, creative and analytical thinking, professionalism and ethics, social, economic and political context, open-ended problems. Grading based on quality of engineering projects and presentation of design through written, oral, and graphical communication.

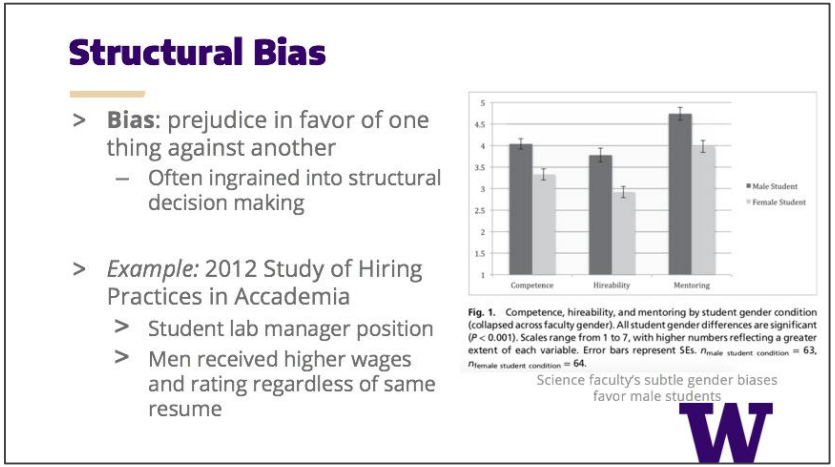
Current:

- Bland examples
- Minimal personal impact
- Suggestion of change



Future:

- Research focused
- Impact of equity & diversity
- Action items



Expected Results & Future Implications

- Empower students with awareness and knowledge of diversity and accessibility, equip them with the tools to be allies
- Delivery to all CoE students at the beginning of their college careers
- Start a conversation about broad topics in diversity to promote a culture of inclusivity and understanding within the College of Engineering
- Reduce bias within UW engineering community