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PERSPECTIVES

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FUTURE LEADERS

- What are future leaders looking for?
- How do Young Engineers and project managers fuel their passion?
- What do FL/YE want from employers?

CURRENT NEEDS

- What are the current needs of the market?
- How has COVID sped up certain aspects of delivering work?
- New requirements, new services

EMPLOYERS

- Due to the changing market what do employers need from FL/YE?
- What do employers expect from education institutions?
- How can employers/educators provide for this new work environment?

FRAMEWORK

- How to proposed changes the the GAPC satisfy current needs?
- Why is this important?
- The solution

Future Leaders

What are Future Leaders looking for?

- Engagement
- Belief in doing the right thing
- Innovation
- Social interaction at work

How to fuel FL/YE passion

Expectations

- Green projects
- Technology
- Enable working from home and virtual team interactions

Expectations from Employers

- Providing tools and education
- Providing encouraging environment
- Providing \$



- Complex projects
 - Interaction of many different specialities
 Interaction of many different generations
 Interaction/Integration of many different technologies
- COVID project delivery
 - Mobile / remote
 - Stress on human interaction and communication
- New Services
 - Engineers as data miners
 - Engineers as Lawyers dispute resolution
 - Engineers as financial specialists

Employers – what do they need

Engineers with non engineering competencies

- Public speaking
- Negotiation
- Understanding of project cash flow
- Conflict resolution

Connection with education institutions

- Early employment programs with universities
- Technological savy graduates
- Problem solving driven education

How?

- Case study projects
- Using software from day one
- Adding non technical curriculum
- Contemporary data analysis.

GAPC Framework

- 1. Accommodate future needs of engineering professionals and the profession
- 2. Emerging technologies
- 3. Emerging and future engineering disciplines and practice areas
- 4. Incorporate UN Sustainable Goals
- 5. Diversity and Inclusion
- 6. Intellectual agility, creativity and innovation

