The focus of this session is two fold – 1) Grand Challenge-like problems 2) Competencies

1) Leveraging the synergy with Grand Challenge-like sociotechnical challenges such as UN SDG’s and other regionally relevant challenges for providing the talent to address all such challenges.

2) Integration of Curricular, Co-Curricular and Extra Curricular Educational Experiences under a Thematic Umbrella
1) Leveraging the synergy with Grand Challenge-like sociotechnical challenges such as UN SDG’s and other regionally relevant challenges for providing the talent to address all such challenges.

2) The synergy between the National Academy of Engineering (NAE) Grand Challenges for Engineering and the UN Sustainable Development Goals (UN SDG’s) & other challenges relevant to the region offer a great opportunity to inspire innovations and to contribute to capacity building.

The main idea is to take advantage of the synergy with NAE Grand Challenges and exploit it as a framework for integrating research, development, innovation, education and outreach.
2) Integration of Curricular, Co-Curricular and Extra Curricular Educational Experiences under a Thematic Umbrella

Programs such as EWB, VIP, and Entrepreneurship represented here are fully aligned with providing the five GCSP competencies to students. Often these are referred to as High Impact Educational practices and it is much easier to develop a GCSP at an institution and the GCSP is much stronger and sustainable if one is able to take advantage of programs such as the ones mentioned above.

The advantage of GCSP is that there are 5 such experiences and more over these five are connected and coherent with a grand challenge theme.
Synergy between the GCSP and Aligned Programs

• Brief introduction of your program
• Alignment with GCSP competencies
• Regional Activities/programs that can benefit GCSP program for students and faculty mentors
• Plans for promoting partnerships to launch GCSP’s across the region and sustain impact