

Global Student Forum 2019
November 12-16, 2019
Chennai

“Addressing Grand Challenges by Engineering Without Borders”

Partners



Objective of GSF 2019:

Provide an opportunity for engineering students from around the world to develop leadership skills to address the grand challenges facing the world. Students will participate in designing innovative solutions to the grand challenges facing human beings around the world. This process will involve working in teams with students from different social and cultural backgrounds, researching critical aspects of one of the themes, exploring their relevance to specific communities, and designing preliminary action plans to address the challenge.

Students will work in intercultural and interdisciplinary teams and will be guided by global experts participating in WEEF 2019. Teams will make presentations on the last day and the best plans will be recognized with Awards.

Students will also participate in the Keynote and Plenary sessions of WEEF 2019 and be able to interact with global experts.

Tuesday, November 12:

Check in for Participants staying at Lemon Tree (0.5 km from WEEF Venue)

Wednesday, November 13:

CREATIVITY & DESIGN THINKING Workshop

Workshop Leader: **Ravi Talluri**, RST Management Consultants

Facilitators: Anurag Palla (IUCEE), Sri Charan Lakkaraju (StuMagz), Sanket Dhadke (SCALE), Kantha Reddy (IUCEE-EPICS)

A unique workshop has been designed for GSF students which feature a creative, practical-oriented approach to impart creative skills and design thinking philosophy to encourage innovation in social engineering projects. Students will stretch their imagination and apply design thinking to solve real-world problems confronting our society. The emphasis will be on lateral thinking and working in a team environment. Students will have lots of fun and learn in a stimulating environment.

Key take ways from this workshop are:

- This is a foundation for students to develop creative ideas, brainstorm ideas, evaluate these ideas, test, communicate and at a later stage turn these ideas into social engineering projects
- Nurture skills in problem identification, idea-generation, prototyping, iteration, and collaboration
- Learn how to tap creative instincts and apply them to further your ambitions
- Imparts out-of-box thinking abilities and boosts self-confidence

Session-1 Activities

Thrust will be on stimulating creative and lateral thinking. Students will be provided with puzzles and will be encouraged to think differently and find alternate solutions. Students will work in teams and develop creative products using the material provided to the teams.

Session-2 Activities

Focus will be on design thinking and finding solutions to real life challenges using design thinking concepts. Students will be divided into teams and each team will come up with creative ideas to address social challenges. It will be a combination of puzzles, creative product development activities and finding solutions to real life challenges. This is a highly interactive workshop. It is expected that students will actively participate.

9:00 am to 9:30 am	GSF 2019 Welcome
9:30 am to 10:30 am	Out-of-box thinking puzzles
10:30 am to 11:00 am	Break
11:00 am to 1:00 pm	Creative product making group activities
1:00 pm to 2:00 pm	Lunch
2:00 pm to 3:30 pm	Design Thinking
3:30 pm to 4:00 pm	Break
4:00 pm to 5:30 pm	Application of Design Thinking for finding innovative solutions to social challenges
5:30 pm to 7:00 pm	WEEF 2019 Welcome Reception

Thursday, November 14:

9:00 am to 10:00 am: WEEF Conference Inauguration

10:00 am to 11:00 am: WEEF Plenary Talk

11:00 am to 11:30 am: Break

GSF Session 1

11:30 am to 12:00 pm: Introductions to IFEES, FISL, GCSP and EWB mentors

Dr. Bernard Amadei (U of Colorado, Engineering Without Borders, USA), Lueny Morell (Innova InnovaHiEd, USA), Ashok Agarwal (EWB India), Jyoti Sharma (Force Institute of Social Innovation, India)

12:00 pm to 1:00 pm: Teams begin relevant research (focus on understanding of the problem and what solutions have been implemented in the past)

1:00 pm to 2:00 pm: Lunch

GSF Session 2

2:00 pm to 6:00 pm: Visit IIT Madras Incubation Cell and Research Park (interact with start-ups addressing issues relevant to Grand Challenges)

Friday, November 15:

9:30 am to 10:30 am: WEEF Plenary Talk

10:30 am to 11:00 am: Break

GSF Session 3

11:30 am to 12:00 pm: Introductions to IFEEES, IUCEE mentors

Khairiyah Mohd Yusof (Universiti Teknologi Malaysia), Uriel Cukierman (Universidad Tecnologica Nacional, Argentina), Claire Komives (San Jose State University, USA)

12:00 pm to 1:00 pm: Teams continue research and discussion regarding Plans (focus on teamwork by building on the expertise of the team members)

1:00 pm to 2:00 pm: Lunch

GSF Session 4

2:00 pm to 6:00 pm: Teams Develop Action Plans and Presentations (focus on plan to interact with the community experiencing the problem in order to propose innovative and relevant solutions; focus on realistic understanding of limitations of proposed approach)

Saturday, November 16:

9:30 am to 10:30 am: WEEF Plenary Talk

10:30 am to 11:00 am: Break

GSF Session 5

11:30 am to 12:00 pm: Introductions to IFEEES, GEDC mentors

Ramiro Jordan (U of New Mexico, USA), Sirin Tekinay, Sabanci U, Turkey

12:00 pm to 2:00 pm:

- **Finalizing Presentations**
- **Action Plans Presentations by teams and evaluated by judges**
(Judging criteria will be based on research conducted, team work, plan to interact with community, and innovative, realistic action plan to address plan)

1:00 pm to 2:00 pm: Lunch

GSF Session 6

2:00 pm to 4:00 pm: Action Plans Presentations by teams and evaluated by judges (contd)

4:00 to 5:30 pm: GSF 2019 Awards and Conclusion

5:30 pm: WEEF 2019 Closing Session

GSF Lead Facilitator



Ravi Talluri is an industry veteran with 25 years of international and national exposure out of which he spent 12 years in USA and worked for Ford, General Motors and Applied Materials and for the past 13 years he is offering strategic management consulting services in India. He is recognized for enhancing gross margins, developing new products & markets and improving operational efficiencies. He is an effective leader with strengths in new product design and development, lean six sigma, gross margin improvement and market penetration. He started his consulting organization – RST Management Consultants; and is advising organizations to improve business and operational excellence. He is passionate about creativity and innovation. He strongly believes that Indian organizations and Indians are capable of developing innovative products that meet world class standards. He is encouraging innovation and entrepreneurship in India. He likes to work with students. He has successfully conducted several creativity and entrepreneurship workshops for colleges, corporates and startups. He is associated with several NGO's and contributes for their well-being. His education includes: MS in Operations Management-USA; MS in Manufacturing Management-USA; MS in Manufacturing Systems Engineering-USA

Registration: Full GSF + WEEF

Includes Full Accommodation

Fees USD 650 (Early Bird: Before August 31) to USD 850/ (International)

Fees INR 25,000 (Early Bird: Before August 31) to INR 30,000 (Indian)

- **Sign Up on www.weef2019.org/gsf2019**
- **Create your Account and Fill requested details**
- **Confirmation Number & Password would be sent on your email**
- **Pay your GSF + WEEF Fees**
- **Download all forms and documents and VISA letters, from your GSF Login Dashboard**
- **Fill the Secondary Confirmation form (will be sent 30 days before the event)**