

IUCEE Annual Student Forum IASF 2020

January 4-7, 2020

Anurag Group of Institutions

“Addressing Grand Challenges by Engineering Without Borders”

Partners



Objective of IASF 2020:

Provide an opportunity for engineering students in India 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 interdisciplinary teams and will be guided by global experts participating in ICTIEE 2020. Teams will make presentations on the last day and the best plans will be recognized with Awards.

Students will also participate in some of the Keynote and Plenary sessions of ICTIEE 2020 and be able to interact with global experts.

Saturday, January 4, 2020:

Check in for Participants staying at Anurag Group of Institutions.

Sunday, January 5, 2020:

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 IASF students which features 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	IASF 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 5:00 pm	Formation of teams for finding innovative solutions to social challenges
5:00 pm to 6:30 pm	IASF 2019 Welcome Reception

Monday, January 6, 2020:

IASF Session 1

9:00 am to 9:30 am: Introductions to IUCEE mentors

Claire Komives (San Jose State University, USA), Ashok Agarwal (EWB India), Hans J. Hoyer (IFEES, USA), Prathiba Nagabhushan (Australian Catholic University, AUS), John Tharakan (Howard U, USA)

9:30 am 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

IASF Session 2

2:00 pm to 6:00 pm: Teams Develop Action Plans and Presentations (focus on plans 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)

Tuesday, January 7, 2020:

IASF Session 3

9:00 am to 12:00 pm: Teams Develop Action Plans and Presentations (focus on plans to interact with the community experiencing the problem; propose preliminary innovative and relevant solutions; demonstrate realistic understanding of limitations of proposed approach)

12:00 pm to 1:00 pm: Finalizing Presentations

1:00 pm to 2:00 pm: Lunch

IASF Session 4

2:00 pm to 4:00 pm: Action Plans Presentations by teams and evaluation 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)

4:00 to 5:30 pm: IASF 2020 Awards and Conclusion

IASF 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

Includes Full Accommodation

Fees Rs. 2,000 (Early Bird: Before November 30)

Registration at link: Will be provided soon

