

EDITORIAL



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Dear Readers of JEET,

I am pleased to report that IUCEE mission of creating an ecosystem for transforming engineering education in India is in full swing. During our Annual Conference (ICTIEE 2020) and Student Forum (IASF 2020), you will experience all dimensions of this ecosystem. Our journal JEET has played a very central role in this ecosystem. Our Journal has published a Special On-Line issue containing the papers to be presented at ICTIEE 2020.

Faculty from engineering colleges all over India will share their transformational experiments and best practices in 149 paper presentations in 18 sessions on Jan 7. Themes for the papers are Outcomes Based Education, Assessment and Evaluation, Curriculum Design and Development, Societal Impact, Game Based and Project Based Learning, Innovations in Teaching Learning Process and Entrepreneurship, Women in Policy and Decision Making and Outreach. Best Papers will be recognized.

200 students from IUCEE Colleges will work in teams and address societal problems using design thinking approach on Jan 5, 6 and 7. Best Action Plans prepared and presented by student teams will be recognized. Societal themes addressed will include Water, Energy, Sanitation and other UN Sustainable Development Goals.

70 teams of faculty and students will share their Project Based Learning experiences through community projects at the IUCEE-EPICS Expo and Poster sessions on January 6 and 7. Best Posters will be recognized.

Global experts will share a variety of their experiences in 13 keynote presentations including Preparing the Workforce of Tomorrow, Building Clean and Green Campuses, Science, Technology, Engineering, Arts and Mathematics education, Global Partnerships for Sustainability Education, Engineers Without Borders India, Teaching Entrepreneurship for Sustainability, Global Quality in Engineering Education, Engineering Education Research for Transforming Engineering Education and IUCEE International Engineering Educator Certification Program.

Workshops on 10 different topics will be offered to participating faculty on January 5. Workshop topics are highly relevant to transforming engineering education: ABET Accreditation, Developing Clean and Green Campuses, Improving STEAM Education, Building Teacher Excellence Corps, Outcomes Based Education, Effective Assessment for OBE, Project Based Learning, Engineering Education Research, Teaching Entrepreneurship for Sustainability, Research to Publication/PhD Thesis.

Members of the IUCEE Global Industrial Advisory Forum (GIAF) will report on the Collaborations between IUCEE institutions through Clusters on Teaching and Learning Centers, IIEECP Certification, Project Based Learning, Outcomes Based Education, Engineering Education Research, Entrepreneurship and First Year Engineering Education.

Sessions for Management and Academic Leadership of IUCEE institutions will be held on Jan 7 along with the leadership of GEDC (Global Engineering Deans Council). These leaders will share progress of quality initiatives in their institutions as well as plan collaborations for the coming year. A Thanksgiving Banquet will be held on Jan 7 to recognize these leaders as well as the sponsors and international guests.

Individuals from IUCEE institutions who have been particularly effective in leading and catalyzing transformations will be recognized with Certificated and Cash Awards an opportunity to make a few comments at the Showcase of Transformation Awards on January 8. Categories of Awards are Leadership of Teaching and Learning Centers, Progress after IIEECP Certifications, Excellence in Community Based Projects, Overall Leadership of Institutions, Excellence in Engineering Education Research and Student Leadership.

35 faculty certified under IIEECP will receive additional recognition with the title of "International Engineering Educator ING.PAED.IGIP" by the President of IGIP along with Certificates.

Sponsor workshops will be presented by Dassault Systemes, Mathworks, National Instruments and Comsol on January 6 and keynotes will be delivered by them on January 6, 7 and 8.

Two new strategic initiatives which were an outcome of the 2019 IUCEE Leadership Summit in Goa in July 2019 will be launched. These are "Clean and Green Campus" and "STEM Education". Plans will be made with IUCEE institutions interested. In addition, we will also find time for IUCEE Strategic Planning for the coming year. As part of this process, discussions will be held for modifying IUCEE EPICS Partnership and making it more economical for institutions.

Best wishes

Krishna Vedula