



**ANURAG
GROUP OF
INSTITUTIONS**
An Autonomous Institution



ICTIEE-2020

**A Report on
Seventh International Conference on
Transformations in Engineering Education
at Anurag Group of Institutions, Hyderabad**

A REPORT ON ICTIEE 2020

The Seventh International Conference on Transformations in Engineering Education ICTIEE - 2020 has envisioned, to bring all the Elite Professionals and leaders from Academia and Industry under one umbrella, so as to create a platform to share emerging and innovative practices in teaching and learning methodologies. The knowledge partners of the conference are the esteemed IUCEE, IFEES and ASEE.

The conference saw the steadfast and revered partners providing their support in extending and sharing their cherished knowledge to greater horizons, which in turn enables transformation of Engineering education in India. The conference with the theme “Socio - Humanistic Approach in Engineering Education” has completed four days of active and interactive learning sessions. As you all know the theme of the conference was further divided into 9 sub themes where the participants had an opportunity to share their best practices and thereby LEARN TO TRANSFORM the best practices progressively and shall carry the knowledge to their own institutions to make efforts to groom engineering graduates who can address global challenges.

On the Day 1, 5th Jan, 2020, the conference had a kick start with the 10 Pre-Conference Academic Workshops on topics ABET Accreditation, Developing Clean and Green Campuses, Improving STEAM Education, Building Teacher Excellence Corps, Outcome Based Education, Effective Assessment for OBE, Project Based Learning, Engineering Education Research, Teaching Entrepreneurship for Sustainability and A-Z for Research to Publication. The workshops, led by epitome of knowledge from India and abroad, were a great success with around 727 attendees.

S. No	Name of the Academic Workshop	Number of Participants
1	ABET Accreditation	70
2	Developing Clean and Green Campuses	48
3	Improving STEAM Education	48
4	Building Teacher Excellence Corps	21
5	Outcomes Based Education	89
6	Effective Assessment for OBE	81
7	Project Based Learning	109
8	Engineering Education Research	69
9	Teaching Entrepreneurship for Sustainability	57
10	A-Z for Research to Publication/PhD Thesis	135
Total		727

On the Second day, 6th Jan, 2020, the Conference was inaugurated amongst a huge & august gathering and had the most eminent guests present. The Chief Guest was Honourable Minister of Municipal Administration & Urban Development, Industries and IT. Govt. of Telangana Sri K T Ramarao. The minister said “For twenty years, IT means, Information Technology, but it doesn't hold many waters now. He said it is high time to redefine and call it as Intelligence Technology to integrate seamlessly artificial intelligence.” This statement has become viral in print and electronic media and given a new dimension to the conference. The conference was attended by 1554 engineering education experts at the inauguration.

The Honourable Minister for Education Govt. of Telangana Smt Sabitha Indira Reddy was the guest of honour. "Looking at the plight of people going abroad for higher education, Telangana Government decided to create an educational infrastructure to establish institutions similar to some existing in abroad by introducing Private University Act", said Sabitha Indira Reddy, Education Minister. "It is the aim of Telangana to improve its literacy rate from current 70 per cent to 100 per cent in the next few years", she added. “Each one teach one” slogan of Honourable Chief Minister was reminded on this occasion to improve the literacy rate of Telangana from 70 to 100%.

Dr. Palla Rajeshwar Reddy, MLC, Chairman of the Telangana Rashtra Rythu Samanvaya Samithi (TRRSS) and Chairman of Anurag Group of Institutions while giving his remarks said, to build a strong nation we need better Engineers. AGI is moving ahead with commitment and stood forefront to host events like ABET Accreditation and its process, forging collaboration with industry and now this conference. "AGI is likely to become a private university soon once the permission processes are completed", he announced. “Today students are demanding more from their teachers. Now the student has emerged more powerful”, he observed and stressed to use ICT blended with suitable pedagogy.

Ms. S Neelima, Secretary & Correspondent, AGI said that technology has penetrated into all areas of education and transformation is the need of the hour and she opined the use of technology is the only way to engage the millennium students. She wished the conference will help the delegates to implement good practices at their respective institutions.

ICTIEE is the amalgamation of Industry leaders, educators, researchers, and students. Dr Michael Milligan, Executive Director & CEO, ABET asked the attendees to use the opportunity to learn from one another and commit to making education better not only for India but all over the world.

The inaugural function of the four day event ICTIEE 2020 was also graced by the likes of Dr Madhukar Waware, Deputy Director, AICTE; Dr. Krishna Vedula, Founder, IUCEE; Dr Hans Hoyer, Secretary-General, IFEEES; Dr U B Desai, Former Director, IIT Hyderabad; Dr B V R Mohan Reddy, Founder and Executive Director, Cyient India Ltd. and others.

Dr G Vishnu Murthy, Deputy Director, AGI, and Conference Chair - ICTIEE 2020 welcomed the delegates and expressed his happiness that the Conference on Transformations in Engineering Education is the first program in the newly constructed hall named after Dr A P J Kalam, is in match with his vision of transforming India and continued by proclaiming his words “Education is the most powerful weapon which you can use to change the world”.

The inaugural is followed by 15 keynote addresses, spread over three days. An endeavour of the knowledge conference with the diverse dignitaries who have delivered excellent discourses on various important and impacting themes. The keynote addresses delivered by knowledge experts like Dr B V R Mohan Reddy, Founder & Chairman, CYIENT Ltd., Dr U B Desai, Former Director, IIT Hyderabad, and the most valued partners added to the thirst for knowledge that brought us together making us further explore and contribute to the community in this challenging world. In addition to the Keynote addresses 5 Sponsored Workshops with 253 attendees and EPICS/PBL Poster Presentations were held.

S. No	Name of the Sponsored Workshop	Number of Participants
1	COMSOL	62
2	EMONA	34
3	Lab view	50
4	Math works	76
5	National Instruments	31
Total		253

On the same day evening, cultural activities highlighting the traditions of Telangana were held. This was followed by delegate dinner.

The Day 3, 7th Jan, 2020 started with 9 parallel Contributed Paper Presentations in the morning and afternoon. The total number of papers received were 215, after review 149 were accepted for presentation, and the highlight feature of this conference is that around the best 113 selected papers are published in the prestigious Journal JEET which is Scopus indexed. In total, 131 authors and 29 co-authors

presented their papers in the conference. All the paper presentations were evaluated & assessed by 18 Chairs & Co-chairs. The afternoon session of the third day saw the Leadership Meet which included the Global engineering Deans Council followed by a combined session of IUCEE Quality Clusters giving details on the individual Progress Reports of each IUCEE Cluster.

Later individual sessions of IUCEE Quality Clusters were also held to discuss and deliberate on the activities of their cluster.

The fourth day commenced with the continuation of interesting key note addresses followed by IGIP awards given to certified Engineering teachers. Further the award session continued with IUCEE Showcase awards to the IUCEE Consortium colleges who have put forth the best practices in transforming Engineering Education.

This was followed by the valedictory function graced by Mr Ramakrishna Lingareddy, Vice President, Capgemini as Guest of Honour who stressed on problem solving skills and change in the recruitment pattern. Chief guest Mr Srikant Sinha, Chief Executive Officer, TASK focussed on the internships and industry active participation in curriculum design to delivery and also explained various initiatives of govt. of Telangana to empower the engineering graduates in the state.

In totality, it has been a very fascinating and engaging four days of ICTIEE 2020 and all the participants have expressed that the conference had given them new direction in brining a change in Engineering Education.

Photos

Day 1: 05.01.2020

Pre-Conference Workshops









Day 2: 06.01.2020:
Inauguration / Keynote addresses / Poster Presentations /
Cultural Activities:













DAY 3:07.01.2020 **Paper Presentations**







Day 4:08.01.2020 Valedictory Function





Festive treat at CULTURAL EVENT

The 7th International Convention saw energetic performances by students of Anurag Group of Institutions



The cultural event at the end of the first day of the 7th International Convention on Transformation in Engineering Education (ICTIEE) 2020 on Tuesday saw performances by students of Anurag Group of Institutions (AGI). The

mood of the evening turned festive when the students showcased festivals of India with their song and dance. The crowd comprising 800 delegates, 250 students and 50 foreign delegates was enthralled by the performances of students. Impressed by the performance of 'Nartana'

team, which showcased Telangana Culture in one dance, Chandrasekhar, a professor from EC Department, donated Rs 50,000 to them. Speaking on the sidelines, student Vijay Kumar Ch of the 'Nartana' team, said, "As Telangana is the youngest State, many people do not know

about its rich culture and hence we decided to showcase the festivals to the delegates through our performances." Another performance which caught everyone's attention was a Telugu rap by Phani, third year IT student. His rap in Telugu on his life and haters who cheated him had the

audience spellbound. The students paid tribute to Indian soldiers too. Donning Army attire, they performed on a melody of Hindi songs praising Army and the nationalistic spirit. The atmosphere filled with chants of 'Bharat Mata Ki Jai' after their performance.

Creating entrepreneurial mindset is one of TASK's focus areas: CEO

Hyderabad: "It is the vision of the Chief Minister of Telangana not just to help youth become employable but also make them entrepreneurs. What our Chief Minister envisions is to make Telangana a state of employment generation rather than employment seekers. Following in line with that thought, TASK is working on Creating Entrepreneurial Mindset among the youth in the state", shared Shrikant Sanku, CEO of TASK.



Shrikant Sanku

He said as many youth as possible on creating entrepreneurial mindset Sanku shared. So many as 676 colleges, 1,84,689 students are registered with TASK. Which he termed as 2,88,761 students in various aspects of the employment. We have also trained 37 of faculty, Sanku added. Our programmes help corporate gain access to a pool of trained graduates for suitable roles. Our students are trained extensively in latest tech, the right candidate, he shared.

Speaking further, Sanku told the Engineering education leaders at the concluding function of ICTIEE-2020 to create more courses catering to the diversified needs of the industry. Multiple colleges from different disciplines can come together to offer these courses such as Mechanical and Electronics.

He cited an example of how a university formed in Shanghai in China in collaboration of various colleges and offer most unique, need based courses to address a specific requirement of the industry.

At Sanku told the Engineering faculty present in the meeting to change the way they teach. Parents of 60 to 70 per cent of engineering students, haven't ever



been to a college. You need to guide them, show them a right path. Guided as example of Apple's recruitment advertisement, which sought ITTs and PhDs, the education reform, then Engineering students, he revealed that the reform is complete and to have revealed later that they preferred those who can handle stress, rather than those who just know the definition of a word.

Ranking, Rudu Ling, VP of CapGemini said a company what we want to recruit. No matter how bad media reports the economy is, there is always a dearth of people for our industry. There is a lot of gap in between what the talent out there are offering and what the industry needs.

People coming in the industry

must realize that their learning has not ended with getting a job. They must be in continuous learning process. Learning is not going to stop after the college. If one gets lost during the career, the student steps, Rankin-

gled Rudu Ling, said. Addressing the gathering during Public Management, Truave - AGI said that institutions should create environment that is conducive for students to be better prepared for the world.

A number of paper presentations took place during the 3-day conference on topics like outcome based education, assessment and evaluation, curriculum design and development, career impact, game based and project based learning, innovation in teaching learning process and entrepreneurship, innovation in policy and decision making, and outreach.

Correspondent S. Neelima said that the participants gained had many learning experiences and urged them to share and practice what they had learnt. Conferences such as this are the need of the hour in the technical era, she said.

Dr. Padma in her report on ICTIEE-2020 said that the conference envisioned bringing professionals and leaders from the industry on one platform. The participants shared best practices in Transformation in Engineering Education. Over 700 plus facilities benefited by the workshops by diverse experts. 280 members took part in technical workshops. 56 engineering projects were displayed as part of poster presentation. Out of over 250 papers received 116 were assessed by 14 chairs and Co-chairs and accepted. Over 129 authors and 23 Co-authors presented their Papers during the conference. The conference with these themes: Skills Revolution, AI growth in Engineering Education, nanotechnology in current and emerging trends in engineering education and some of its future directions. The conference saw numerous academic workshops on topics such as Improving ITEAM Education, Building Teacher Excellence, Outcomes based Education, Project Based Learning, Teaching Entrepreneurship for Sustainability, etc.

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Thurs, 6th January 2020
https://paper.thansindia.com/c/47781412

Please refer to the following link for complete photo gallery of ICTIEE 2020.

<https://drive.google.com/open?id=13ugMTJFwgOpYxYjs31VZs1Sd7S2MF>