

# — ICTIEE 2021 Participant Survey

216 Respondents



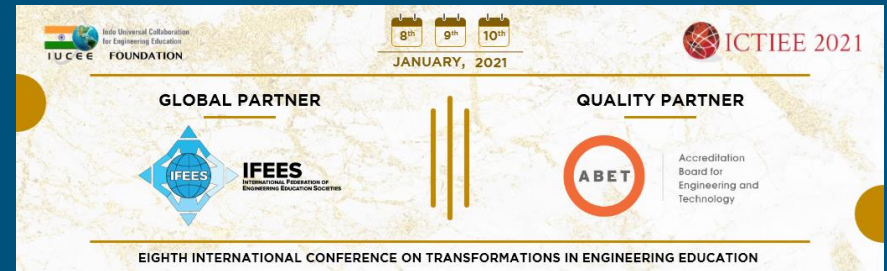
Logo:  Info: **Info: Universal Collaboration for Engineering Education**


Calendar:  **JANUARY, 2021**


Event:  **ICTIEE 2021**


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**EIGHTH INTERNATIONAL CONFERENCE ON TRANSFORMATIONS IN ENGINEERING EDUCATION**





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**GLOBAL PARTNER** **QUALITY PARTNER**

 **IFEES**  **ABET**

**INTERNATIONAL FEDERATION OF ENGINEERING EDUCATION SOCIETIES** **Accreditation Board for Engineering and Technology**

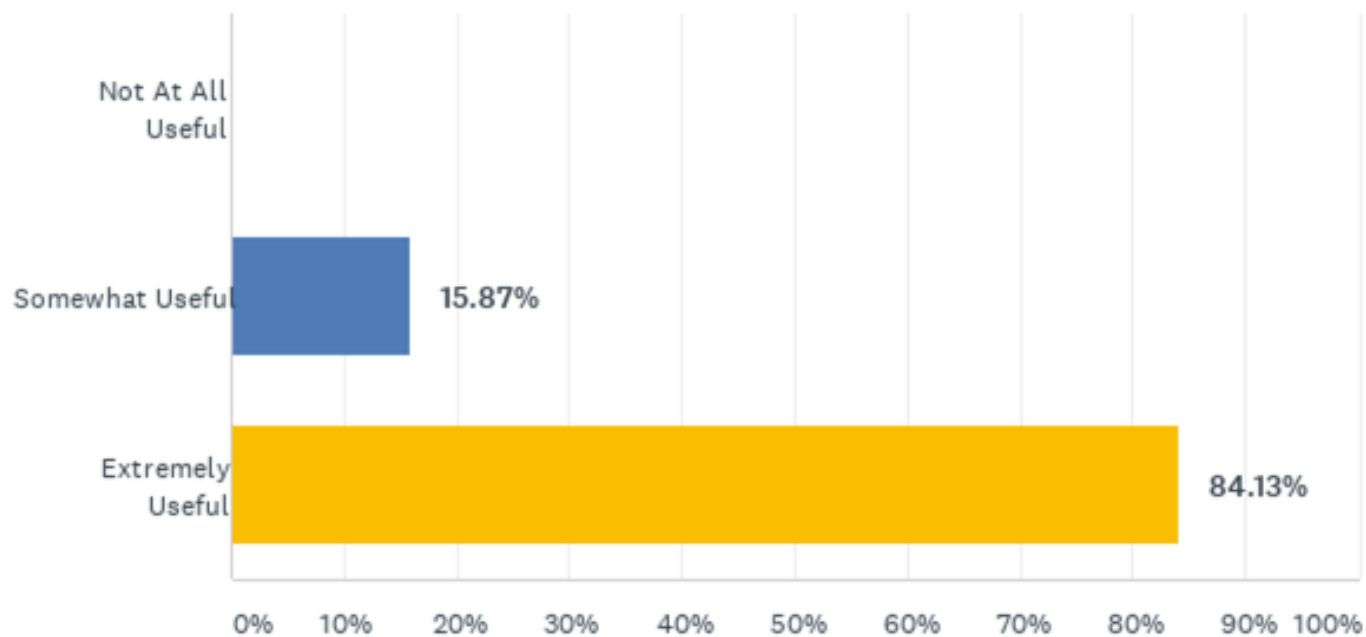
**EIGHTH INTERNATIONAL CONFERENCE ON TRANSFORMATIONS IN ENGINEERING EDUCATION**

Jan 8th Workshops Attendance	
Jan 8: 7:30 am: Workshop 1.1: <b>Project Management</b> by Mr. Jayant Sathe, Proctor and Gamble USA (retd)	34
Jan 8: 7:30 am: Workshop 1.2: <b>Engineering Education Research</b> by Dr. Prathiba Nagabhusan, Australian Catholic University and Dr. Sohum Sohoni, Milwaukee School Of Engineering, USA	52
Jan 8: 7:30 am: Workshop 1.3: <b>Engineering Ethics</b> by Dr. Anil K. Kulkarni, Pennsylvania State University (USA) and Ms. Sampada Pachaury, IUCEE, India	26
Jan 8: 7:30 am: Workshop 1.4: <b>Be an EduTainer and Mesmerise the Learners</b> by Dr. Manu Vora, Business Excellence, Inc. (USA) and Dr. Deepak Waikar, VC, IEEE Education Chapter, Singapore	27
Jan 8: 10:00 am: Workshop 1.5: <b>Sponsor Workshop: COMSOL</b> by Mr. Pankaj Nerikar	11
Jan 8: 10:00 am: Workshop 1.6: <b>Entrepreneurship Basics</b> by Dr. Shalini Gopalakrishnan, Menlo College, USA	48
Jan 8: 10:00 am: Workshop 1.7: <b>Active Learning: Keeping Learners Effectively Engaged Online</b> by Dr. Rio D'Souza, St. Joseph Engineering College (India)	65
Jan 8: 10:00 am: Workshop 1.8: Sponsor Workshop by MathWorks : <b>"Teaching AI Hands-on for Multidisciplinary Engineering and Research"</b> by Dr. Dhruv Chandal and Mr. Ramana Anchuri	25

Jan 9th Workshops Attendance	
Jan 9: 7:30 am: Workshop 2.1: <b>OBE: Best Practices and Implementation</b> by Dr. Rio D'Souza, St. Joseph Engineering College (India) and Dr. Gopalkrishna Joshi, Karnataka State Higher Ed Council (india)	33
Jan 9: 7:30 am: Workshop 2.2: <b>Writing an Effective Research Proposal 1</b> by Dr. Claire Komives, San Jose State University, USA	50
Jan 9: 7:30 am: Workshop 2.3: <b>Prototype to Product</b> by Dr. Ravi Salagame, Global Head Engineering, APTIV, India, Dr. Ardhendu Pathak, Ex VP, Airbus India and Dr. John Tharakan (EWB Challenges),Howard University, USA	26
Jan 9: 7:30 am: Workshop 2.4: <b>Motivating Students in Challenging Times</b> by Dr. Veena Kumar, University of Maryland Global Campus USA and Dr. Prathiba Nagbhusan, Australian Catholic University	29
Jan 9: 10:00 am: Workshop 2.5: <b>NBA Accreditation of Programmes</b> by Mr. Dilip Chemburkar, General Electric (Retd) USA and Dr. Umakant Kulkarni, SDMCOE (India)	28
Jan 9: 10 :00 am: Workshop 2.6: <b>Writing an Effective Research Proposal 2</b> by Dr. Claire Komives, San Jose State University, USA	41
Jan 9: 10:00 am: Workshop 2.7: <b>AI, Machine Learning, Big Data</b> by Dr. Shalini Gopalakrishnan, Menlo College, USA	35
Jan 9: 10:00 am: Workshop 2.8: <b>Smart, Clean &amp; Green Learning Learning Spaces</b> by Er. Deepak Gadhia, Chairman, Sunrise CSP, India and Dr. Deepak L. Waikar, VC IEEE Education, Singapore	29

Jan 10th Workshops Attendance	
Jan 10: 7:30 am: Workshop 3.1: <b>Strategic planning: A Roadmap for Institutional Growth</b> , Dr. Sushma Kulkarni , Director, Rajarambapu Institute of Technology, India	28
Jan 10: 7:30 am: Workshop 3.2, <b>Writing Research</b> by Dr. Veena Kumar, University of Maryland Global Campus USA	41
Jan 10: 7:30 am: Workshop 3.3: <b>Virtual and Remote Labs</b> by Dr. Anil K. Kulkarni , Pennsylvania State University (USA) and Mr. Kalyan Ram, Electronosolutions, India	45
Jan 10: 7:30 am: Workshop 3.4: <b>Ethics and Professionalism In Engineering Curriculum</b> by Dr. Mohan D. Rao, Tennessee Tech University (USA)	15
Jan 10: 10:00 am: Workshop 3.5: <b>Leadership for Women Faculty</b> by Dr. Sushma Kulkarni, Director, Rajarambapu Inst of Tech and Dr. Hemlata Gaikwad, Head, Management Department, Rajarambapu Inst of Technology, India	52
Jan 10: 10:00 am: <b>Sponsor Workshop by Mentor (Siemens)</b> by Mr. Pavan Nanduri	26
Jan 10: 10:00 am: Sponsor Workshop by <b>Dassault Systemes</b>	24
Jan 10: 10:00 am: Sponsor Workshop by <b>IonIdea</b> by Mr.Mohammed Kaleem and Mr. Ypgesh M.	18

## Q8 Your Opinion about Workshops at ICTIEE 2021



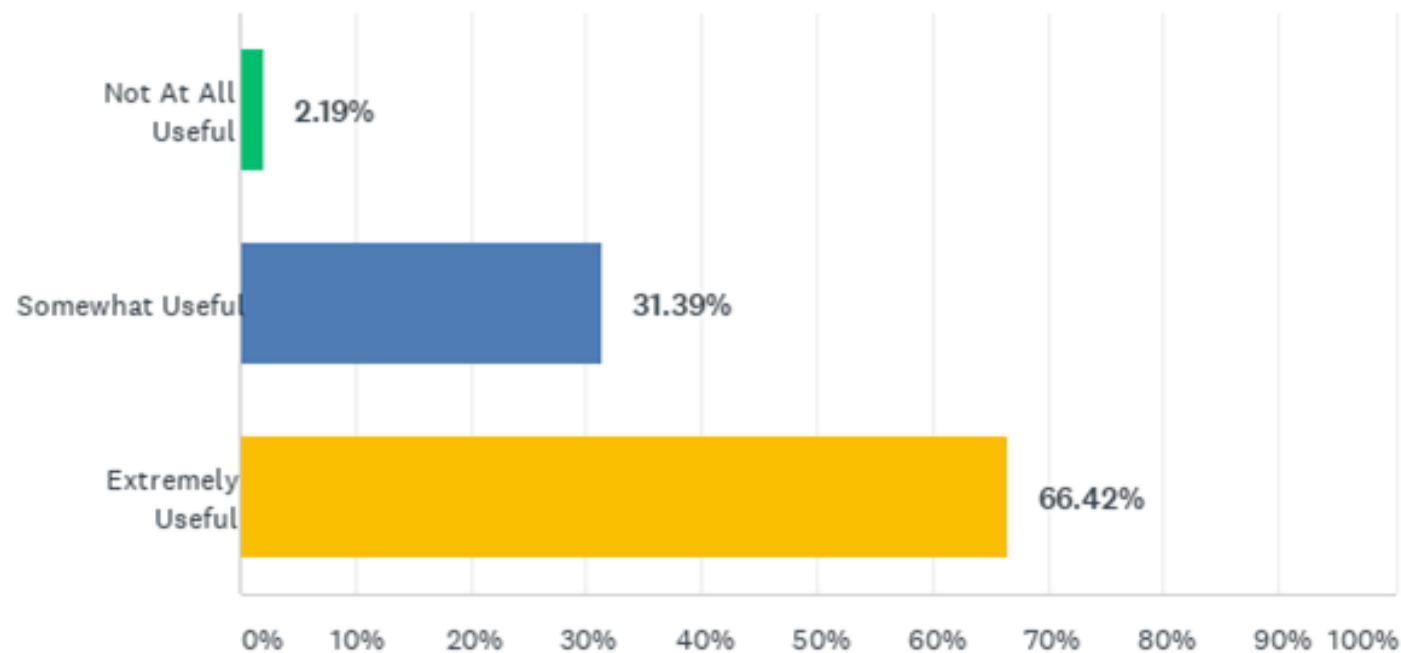
<b>Jan 8th Paper Presentations Attendance</b>	
Jan 8: 5:45 pm: Faculty Papers 1.1: <b>Industry Academy Collaboration I</b>	<b>46</b>
Jan 8: 5:45 pm: Faculty Papers 1.2: <b>Leveraging Government Initiates</b>	<b>16</b>
Jan 8: 7:00 pm: Faculty Papers 1.3: <b>First Year Engineering I</b>	<b>26</b>
Jan 8: 7:00 pm: Faculty Papers 1.4; <b>Assessing to Achieve Grad Attributes I</b>	<b>31</b>
Jan 8: 8:30 pm: Faculty Papers 1.5: <b>First Year Engineering II</b>	<b>25</b>
Jan 8: 8:30 pm: Faculty Papers 1.6: <b>Assessing to Achieve Grad Attributes II</b>	<b>26</b>

<b>Jan 9th Paper Presentations Attendance</b>	
Jan 9: 2:00 pm: Faculty Paper 2.1: <b>Motivating Students to Learn I</b>	<b>42</b>
Jan 9: 2:00 pm: Faculty Papers 2.2: <b>Best Practices in Teaching &amp; Learning I</b>	<b>48</b>
Jan 9: 5:45 pm: Faculty Papers 2.3 : <b>Active Learning I</b>	<b>40</b>
Jan 9: 5:45 pm: Faculty Papers 2.4: <b>Online Teaching I</b>	<b>27</b>
Jan 9: 7:00 pm: Faculty Papers 2.5: <b>Active Learning II</b>	<b>38</b>
Jan 9: 7:00 pm: Faculty Papers 2.6: <b>Entrepreneurship</b>	<b>32</b>
Jan 9: 8:30 pm: Faculty Papers 2.7: <b>Learning Driven by Technology I</b>	<b>16</b>
Jan 9: 8:30 pm: Faculty Papers 2.8 : <b>Project-Based Learning I</b>	<b>48</b>

<b>Jan 10th Paper Presentations Attendance</b>	
Jan 10: 2:00 pm: Faculty Papers 3.1: <b>Motivating Students to Learn II</b>	32
Jan 10: 2:00 pm: Faculty Papers 3.2: <b>Best Practices in Teaching &amp; Learning II</b>	39
Jan 10: 3:00 pm: Faculty Papers 3.3: <b>Resolution of Diversity Issues</b>	9
Jan 10: 3:00 pm: Faculty Papers 3.4: <b>Online Teaching II</b>	36
Jan 10: 3:00 pm: Faculty Papers 3.5: <b>Best Practices in Teaching and Learning III</b>	25
Jan 10: 5:45 pm: Faculty Papers 3.6: <b>Learning Driven by Technology II</b>	27
Jan 10: 5:45 pm: Faculty Papers 3.7: <b>Industry Academy Collaboration II</b>	30
Jan 10: 7:00 pm: Faculty Papers 3.8: <b>Project-Based Learning II</b>	30
Jan 10: 7:00 pm: Faculty Papers 3.9: <b>Online Teaching III</b>	30



## Q20 Your Opinion About Faculty Paper Presentation Sessions



Plenary Sessions Attendance - Jan 8th	
Jan 8: 4:00 pm: WELCOME	75
Jan 8: 4:30 pm: Plenary 1: <b>National Education Policy</b> (substituted by Dr. Shasi Sridharan )	85
Jan 8: 5:00 pm: Plenary 2: " <b>Establishing an Innovation Ecosystem in Institutions</b> " Dr. Abhay Jere, Chief Innovation Officer, MHRD	68
Jan 8: 8:00 pm: Quality Partner Presentation: " <b>Making an Impact in a COVID-19 World</b> " Dr. Michael Milligan, ED and CEO, ABET	41

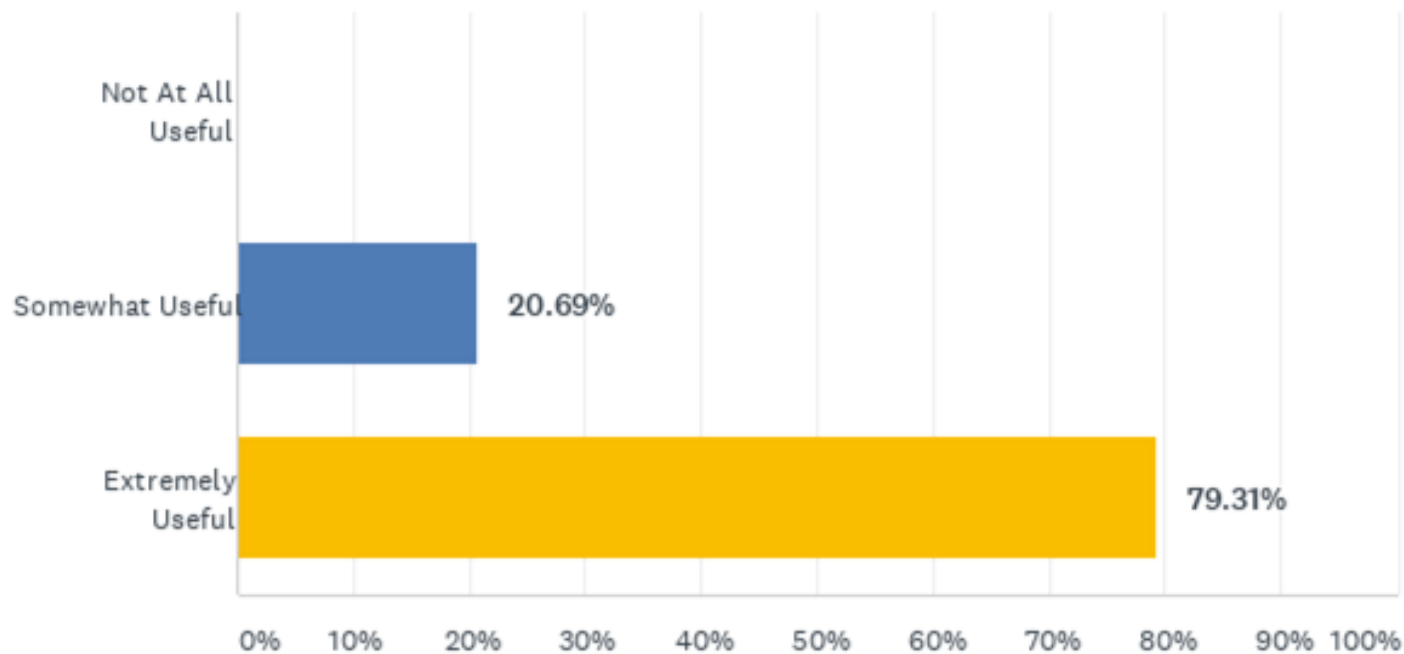
Plenary Sessions Attendance- Jan 9th	
Jan 9: 9:30 am: <b>Implementing the National Education Policy. 2020:</b> Discussion led by Dr. Manu Vora, Business Excellence, Platinum Sponsor: Dassault Systemes: Mr. Xavier Fougier, Head, Global Academic Programsnc., USA	63
Jan 9: 4:00 pm: Plenary 3: <b>“Outside-In Approach to Higher Technical Education”</b> Mr. A.N. Chandramouli, ANCM Management Consultants	35
Jan 9: 4:30 pm: Plenary 4: <b>“Thoughts on how engineers can succeed in the world of business”</b> Mr. Dhaval Buch, Senior Advisor, Blackstone	44
Jan 9: 5:00 pm: Platinum Sponsor: <b>Dassault Systemes:</b> Mr. Xavier Fougier, Head, Global Academic Programs	31
Jan 9: 5:20 pm: Silver Sponsor: <b>Mentor Siemens:</b> Mr. Ruchir Dixit	25
Jan 9: 5:30 pm: Silver Sponsor: <b>COMSOL:</b> Mr. Pankaj Nerikar	27
Jan 9: 8:00 pm: <b>“Global Organizations Addressing Engineering Education Issues and Deep Concern regarding Global Climate Crisis”</b> Global Partner IFEES GEDC Presentation: Dr. Hans J. Hoyer	36

Plenary Sessions Attendance- Jan 10th	
Jan 10: 12:00 pm: Plenary 5: " <b>Future job opportunities, upskilling and Internships</b> " Dr. Buddha Chandrasekhar, Chief Coordinating Officer, AICTE	66
Jan 10: 12:45 pm: <b>Antiz Technologies</b> Demonstration	12
Jan 10: 4:00 pm: Plenary 6: " <b>Challenges and Way Forward in Bridging the Industry and Academia</b> " Mr. T.R. Parasuraman, Dy MD, Toyota India	49
Jan 10: 4:30 pm: Platinum Sponsor: <b>Mathworks</b> : Mr. Chandan Pramanik (Director- MathWorks Education)	49
Jan 10: 4:50 pm: IUCEE <b>General Assembly and Awards Ceremony</b>	78
Jan 10: 8:30 pm: Plenary 7: " <b>Liberal Tech: Making of a Complete Engineer</b> " Dr. Pankaj Chandra, Vice Chancellor, Ahmedabad University	49
Jan 10: 9:00 pm: <b>Valedictory Address</b> : Dr. William Oakes, EPICS, Purdue University USA	62
Jan 10: 9:30 pm: <b>Closing Ceremony</b> and Concluding Remarks: Mr. AGK Karunakaran, Founder and CEO, MulticoreWare, Inc.	69

Panel Sessions and Presentations - Leadership Track Attendance - Jan 8th	
Jan 8: 5:45 pm: <b>National Education Policy:</b> Dr. M.K. Sridhar, Management Studies, KN and Dr. Sheela Ramachandran, Atmiya Univ, GJ	57
Jan 8: 7:30 pm: <b>Implementing the New Education Policy:</b> IUCEE Leaders facilitated by Mr. Sharad Marathe, UTS, USA, India	61
Jan 8: 8:30 pm: <b>Institutional Ranking and Accreditation:</b> Dr. P. Radhakrishnan, PSG Institutes, TN and Dr. Navin Sheth, VC, GTU, GJ	39
Jan 9th	
Jan 9: 5:45 pm: <b>Motivate Faculty to be Productive Researchers:</b> Dr. K. N. SubramanyaRV College of Engg, KN, Dr. Archana Mantri, Chitkara Univ, CH and Dr. Siddharth Jabade, Vishwakarma Univ, MH	46
Jan 9: 7:30 pm: <b>“Milwaukee School of Engineering: Over a Century of Industry-Driven, Applications-Oriented Engineering Education”</b> Dr. Eric Baumgartner, Vice President	27
Jan 9: 8:30 pm: <b>Curriculum Innovation:</b> Dr. Ashok Shettar, KLE Tech Univ, MH, Dr. Sanjay Dhande, Former IITK Director (Retd) and Dr. B.V Ravishankar, BMS College of Engineering	41

Panel Sessions and Presentations - Leadership Track Attendance - Jan 10th	
Jan 10: 5:45 pm: <b>Entrepreneurship and Innovation:</b> Mr. Sharad Marathe, UTS, USA and Dr. Sushma Kulkarni, Rajarambapu Inst Tech, MH.	39
Jan 10: 7:30 pm: <b>Motivate Faculty to be Effective Teachers:</b> Dr. Shasi Anand Sridharan, Kalasalingam Univ, TN, Dr. Divya Nalla, Nalla Malla Reddy EC, TS and Dr. Rio D'Souza, St. Joseph Engg College, KN	52
Jan 10: 8:30 pm: Plenary 7: <b>"Liberal Tech: Making of a Complete Engineer"</b> Dr. Pankaj Chandra, Vice Chancellor, Ahmedabad University	31
Jan 10: 9:00 pm: <b>Valedictory Address:</b> Dr. William Oakes, EPICS, Purdue University USA	50
Jan 10: 9:30 am: Closing Ceremony and <b>Concluding Remarks:</b> Mr. AGK Karunakaran, Founder and CEO, MulticoreWare, Inc.	58
Jan 10: 5:45 pm: <b>Entrepreneurship and Innovation:</b> Mr. Sharad Marathe, UTS, USA and Dr. Sushma Kulkarni, Rajarambapu Inst Tech, MH.	39

## Q23 Your Opinion About Plenary and Panel Sessions ?

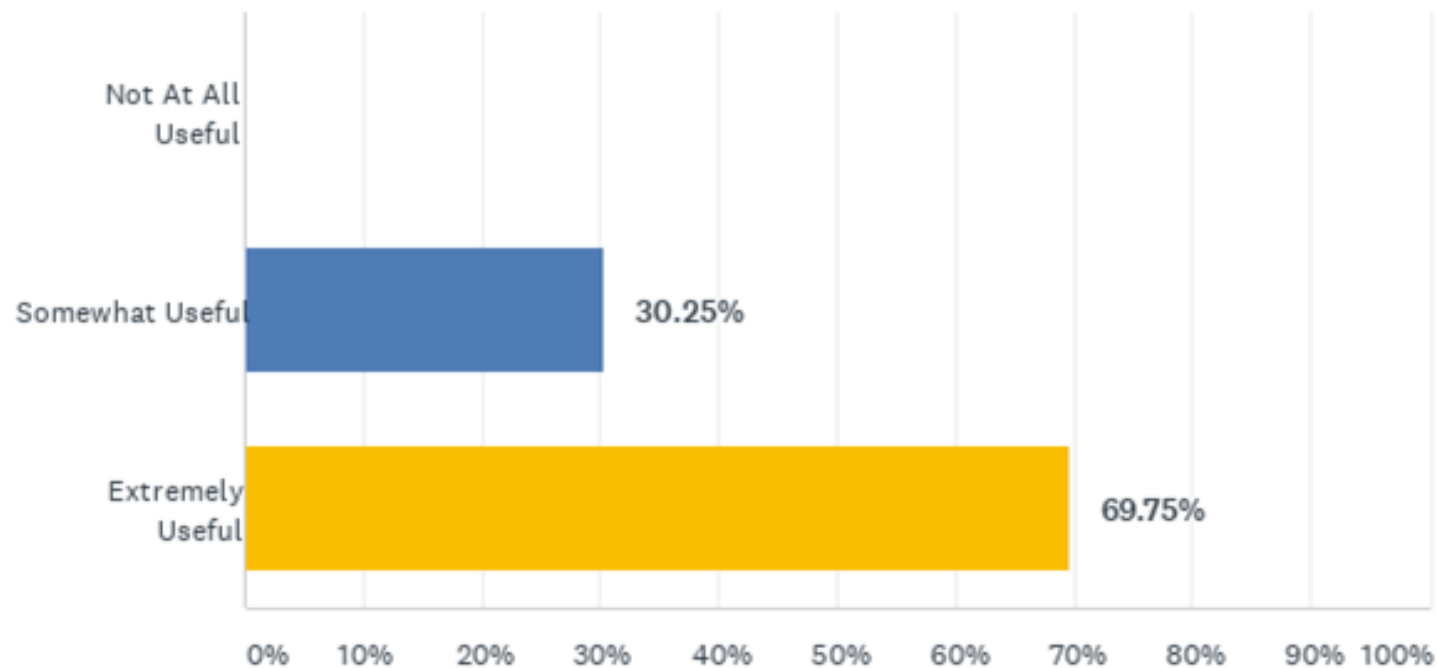


Student Track Sessions Attendance	
Jan 8: 2:00 pm: Indian School of Business session on <b>Design Thinking &amp; Value Proposition Canvas</b> by Mr. Prashanth Ramagiri, Academic Manager, Mr. Seshadri Kannan, Strategy and Operations, Indian School of Business	48
Jan 8: 5:45 pm: <b>Design Thinking &amp; Value Proposition Canvas</b> (contd) by Mr. Prashanth Ramagiri, Academic Manager, and Mr. Seshadri Kannan, Strategy and Operations, Indian School of Business	35
Jan 8: 7:00 pm: <b>Minimum Viable Product &amp; Pitch Video</b> , Prof. Dr. Ranji Vaidyanathan, Oklahoma State University, USA	20
Jan 8: 8:30 pm : <b>Design Ideation Activity</b> by Mr. Tanmay Bhosale, Student, 3rd year, ECE, RIT, Islampur	20
Jan 9: 2:00 pm: <b>Green Economy in Waste Management</b> by Mr. Anil Potluri Chowdary, M.D., Green Waves Environmental Solutions	16
Jan 9: 2:00 pm: <b>Virtual Labs on the Cloud</b> by Mr. Kalyan Ram B, CEO,Electrono Solutions Pvt. Ltd.	37
Jan 9: 3:00 pm: Student Forum Plenary: <b>Future Skills for Industrial Automation &amp; Smart Manufacturing</b> by Prof. Dr. Sunil Jha, Mechatronics & Automation, IIT Delhi	28
Jan 9: 5:45 pm: <b>Evolution of Solar Thermal Concentrator and its Potential</b> in India by Mr. Deepak Gadhia, Chairman, Sunrise CSP, Trustee @ Muni Seva Ashram	28



Student Track Sessions Attendance	
Jan 9: 7:00 pm: <b>Student Chapter Presentations</b> moderated by Mr. Syed Majeedullah, Student, 3rd year, HITAM, Hyderabad	26
Jan 9: 8:30 pm: <b>Digital Show Quiz</b> moderated by Ms. Fairy Khimani, Student, 3rd year IT, BHGCET, Rajkot	29
Jan 10: 2:00 pm: <b>WEF 2030: Future Skills &amp; Readiness</b> by Dr. Madhukar Sharma, President, ASME	21
Jan 10: 2:35 pm: <b>Reinvent to remain Relevant</b> by Mr. Ameet Mattoo. Founder TAKE 2, Organizational Development	14
Jan 10: 3:00 pm: <b>Workshop on Personal Brand Building: LinkedIn</b> by Mr. Aniket Joshi, Founder & CEO, Musicopositive, TEDX Speaker	26
Jan 10: 5:45 pm: Keynote: <b>Social Entrepreneurship</b> by Mr. Vivek Pawar, CEO & Trustee, Deshpande Foundation, Founder, Sankalp Semiconductors	21
Jan 10, 7:00 pm: <b>Cultural Evening &amp; Youth's Voice</b> moderated by Ms. Fairy Khimani, Student, 3rd year IT, BHGCET, Rajkot	28
Jan 10, 7:30 pm: <b>Award Ceremony/Valedictory</b> moderated by Mr. Tanmay Bhosale, Student, 3rd year, ECE, RIT, Islampur	33

## Q25 Your Opinion About IUCEE Annual Student Forum



## WHAT WORKED WELL OVERALL at ICTIEE 2021

I have seen new perspective of educationalist and Industrialist on same platform. Thought it was organised Online everything was as if we are just going through it and interactive session made it easy to communicate. overall I leaned many new things about Industry and Education

Workshops, *Plenary Sessions and Design Thinking* session were very very good and extremely useful sessions. Got to know insights about new NEP 2020. The event was very well organized on hubilo.

The Hubilo platform made the virtual conference a grand success. It was so fun to get connected with many. The opportunities of meeting people were *more than that of face-to-face conference*.

ICTIEE 2021 was very useful to academicians and to professionals also. I learnt about *NBA accreditation-OBE approach, Institutional growth with research, Entrepreneurship, National education policy* etc. All the sessions attended were very useful to us. Thanks IUCEE for organising ICTIEE 2021.

When highly talented people are ready to share their knowledge with students, it's a pleasure to take the opportunity without any regrets. Therefore I'm so thankful for ICTIEE, as well as to all the professor's who are working behind, in leading the students towards the success. Here, I also come to know many things like how well we can *learn the new things, presentation and communication skills, creativity, patience, encouragement* and what not. Overall, it worked well for me in participating in the event.

As compared to OFFLINE conference, I most loved the ONLINE conference because of Time saving and created a comfortable nature. It doesn't matter where ever in the WORLD I can easily attend for this online conference through the just one click on the Online WORLD

WHAT CAN BE IMPROVED IN THE NEXT CONFERENCE (ICTIEE 2022)

Attending many *parallel sessions* proved challenging. Also, timings were a bit early in morning and late in evening, can be reduced.

Schedule was too tight.

Needs to have more interaction - if possible i suggest to put learning contest or quiz.

Industry interaction session can be increased

More tracks on entrepreneurship, if possible

Article **Review Process** needs to be improved. In order to improve the quality of the articles received, a reviewing committee needs to be formed. Reviewing should be done by the experts and not fellow authors. The current way of doing things was useful few years back. India has improved a lot in this regard, and definitely, we can get people who can do a quality review. I don't know who did my article review. But the comments given by 2 out of 3 reviewers were absolutely useless and rubbish. It was clear enough that the reviewers have not read the full article even.