

ICTIEE 2019 Schedule Chandigarh

Jan 9	2:30 pm	Pick up international delegation at Airport and to Hotel		
	5:15 pm	Pick up delegation at Hotel and to Chokhi Dhani		
	6:00 pm to 9 :00 pm	Dinner at Chokhi Dhani		
Jan 10	8:45 am to 9:30 am	Registration		
	9:30 am to 11:00 am	ACADEMIC CLUSTER WORKSHOPS		
		Teaching and Learning Centers (TLC) Chair: Jayant Sathe, GIAF Presenter: Claire Komives, San Jose State University Presenter: Rio D'Souza, St. Joseph Engineering College		
		Outcomes Based Education (OBE) Chair: Mohan Rao, Tennessee Tech University Presenter: Ashok Saxena, U of Arkansas Presenter: Michael Milligan, CEO, ABET		
		Engineering Projects in Community Service (EPICS), Service Learning Chair: Beth Powell, Tennessee Tech University Presenter: Bill Oakes, Purdue University Presenter: John Tharakan, Howard University		
		IIEECP Certification Program (IIEECP) Chair: Anil Pandit , GIAF Presenter: Veena Kumar, U of Maryland University College Presenter: Stephanie Farrell, Rowan University		
		Engineering Education Research (EER) Chair: Sujatha Wadhwa, GIAF Presenter: Sohun Sohoni, Arizona State University Presenter: Pratibha Nagabhushan, Australian Catholic University		
		First Year Engineering Experiences (FYEE) Chair: Nishtha Chouhan, GIAF Presenter: Gopal Joshi, KLE Tech University		
		Entrepreneurship (ENTR) Chair: Vijay Kanabar, Boston University Presenter: Ranji Vaidyanathan, Oklahoma State University		
		Virtual & Remote Labs (VRLAB) Chair: Hanno Horsch, IGIP Presenter: Kalyan Ram, Electronosolutions Presenter: Anil Kulkarni, Penn State University		
		Six Sigma for Education Chair: Rajkamal Rao, Rao Advisors Presenter: Dilip Chemburkar, GIAF		
			Assessments of Coding Related Courses ACM Team	
			Critical Thinking Richa Misra, Nirma University	
		11:00 am to 11:30 am	BREAK	
11:30 am to 1:00 pm	Inauguration Ceremony IUCEE Report: Krishna Vedula, Executive Director, IUCEE			

		Keynote 1: Dr. Hans J. Hoyer , Executive Secretary IFEEES, General Secretary GEDC Keynote 2: Dr. Michael Milligan , CEO, ABET	
	1:00 pm to 2:00 pm	LUNCH	
	2:00 pm to 4:00 pm	DYNAMIC CLUSTER SHARING AND PLANNING SESSIONS	
		Teaching and Learning Centers (TLC) Chair: Claire Komives, San Jose State University Moderator: Rio D’Souza, St. Joseph Engineering College Mentor: Jayant Sathe, GIAF	
		Outcomes Based Education (OBE) Chair: Ashok Saxena, U of Arkansas Moderator: Vijay Kanabar, Boston University Mentor: Dilip Chemburkar, GIAF	
		Engineering Projects in Community Service (EPICS) Chair: Bill Oakes, Purdue University Moderator: John Tharakan, Howard University Mentor: Sujatha Wadhwa, GIAF	
		IIEECP Certification Program (IIEECP) Chair: S. Farrell, Rowan University Moderator: Veena Kumar, U of Maryland University College Mentor: Anil Pandit, GIAF	
		Engineering Education Research (EER) Chair: Sohun Sohoni, Arizona State University Moderator: Pratibha Nagabhushan, Australian Catholic University	
		First Year Engineering Experiences (FYEE) Chair: Gopal Joshi, KLE Tech University Mentor: Nishtha Chouhan, GIAF	
		Entrepreneurship (ENTR) Chair: Ranji Vaidyanathan, Oklahoma State University Mentor:	
		Virtual & Remote Labs (VRLAB) Chair: Anil. Kulkarni, Penn State University Moderator: Kalyan Ram, Electronosolutions	
		Assessments of Coding Related Courses ACM Team	
		Critical Thinking Richa Misra , Nirma University	
	2:00 pm to 4:00 pm	SPECIAL STUDENT SESSION: Preparing for Higher Education Abroad Rajkamal Rao, Rao Advisors	
	4:00 pm to 4:30 pm	BREAK	
	4:30 pm to 5:30 pm	Chitkara University presentation	
		Optional campus tour for delegates (registration required)	
	5:30 pm to 6:30 pm	Cultural Function	
	6:30 pm to 10:00 pm	Delegate Dinner at Chitkara University Banquet Dinner for Guests and IUCEE College leaders	
Jan 11	8:30 am to 10:00 am	Campus Tour for International Delegates	
	10:00 am to 11:30 am	Sponsor Focus: Dassault Systemes Keynote 3: Dr. Stephanie Farrell, President, ASEE	

		Sponsor Focus: National Instruments Keynote 4: Dr. Bill Oakes, Purdue University	
	11:30 am to 12:00 pm	BREAK	
	12:00 pm to 1:30 pm	Sponsor Workshop: National Instruments	
		Sponsor Workshop: Dassault Systemes	
		Sponsor Workshop: Mathworks	
		Sponsor Workshop: IonCudos	
		Leadership Meeting (Invitation only) International Experts and Heads of IUCEE Consortium Institutions	
	1:30 pm to 2:30 pm	LUNCH	
	2:30 pm to 3:30 pm	Keynote 5: Dr. Ashok Saxena, U of Arkansas Sponsor Focus: Mathworks Keynote 6: Dr. Hanno Horsch, IGIP, Austria	
	3:30 pm to 4:00 pm	BREAK	
	4:00 pm to 5:30 pm	PAPER SESSIONS	
		<p>Session 1 Chair: Claire Komives, San Jose State University Co-Chair: Rio D'Souza, St. Joseph Engineering College</p> <ul style="list-style-type: none"> • Impact of Open-Ended Project-Based Collaborative Learning Model for Teaching Undergraduate-Level Course on Software Engineering; Shikha Maheshwari; JECRC, Jaipur • SCRUM Adaptation in Academics: Converging Knowledge Management with Collaboration; Jyoti Snehi, Ritu Rathee; Chitkara University • Toward Outcome Based Education (OBE): An Impact of Active Learning Approach for 'Computer Organization' Course.; Snehal Patil, Sushma Kulkarni , Sachin K. Patil; Rajarambapu Institute of Technology, Rajaramnagar • MADADGAAR – Network Of Networks; Shubham Yadav, Abhishek Sinnakula, P Sparsha, Hema Mahajan; Hyderabad Institute of Technology and Management • CO-PO as Education 4.0 Strategy in-line with Industry 4.0: MCA Case Study; Kavita Y Suryawanshi; DYPIMCA,Akurdi • Industry-Academia Collaborative Teaching – A journey; Rachita Misra; C.V. Raman College of Engineering • Enhancing the Quality of Computer Science Education with Industry Standard Coding Tools and Techniques; Sathyendra Bhat, Bikramjit Athokpam, Ragesh Raju, Rio D'Souza, Shreeranga Bhat; St Joseph Engineering College • Activity Based Realization of Theory Concepts for Novice Learners; Prasanna H Bammigatti, Harshavardhan Naganur; KLEIT, Hubballi • A Channelizing Approach to teach Data Structures; Heera G Wali; KLE Technological University • Inculcating Team Philosophy through Course of Object Oriented Software Engineering; Ashwini Dalvi; KJ Somaiya College of Engineering • Mobile Application Development using Project Based Learning Approach; Savita Patil; Rajarambapu Institute of Technology • Changes in Engineering Education towards 2020; Maragatharajan M; Kalasalingam Academy of Research and education • MOOC Courses: Influence on Millennials; Praveshika Sinval, Aashima Malhotra, Vaishali Gupta; Chitkara University • Own device-based mobile learning in personal cloud environment: a framework to address digital divide; Susanta Mitra, Somsubhra Gupta; Amity University, Kolkata 	

Session 2

Chair: John Tharakan, Howard University

Co-Chair: Dilip Chemburkar, GIAF

- **Improving Classroom Delivery Of Engineering Drawing Course Using Problem Based Learning;** Aniket T Suryawanshi, Sandeep A Thorat ; Rajarambapu Institute of Technology
- **Enhancing Generative Learning By Including Undefined Task In Material Testing Laboratory;** Prasanna Raravi; KLE Technological University
- **Community Services To Public And Police Through EPICS;** Yogesh Goud, Sriramoju Akash, Sugandham Aravind , T Rahul Reddy; Hyderabad Institute of Technology and Management
- **Learning by Competing : A opportunity for slow learner to showcase themselves;** Rohit A. Magdum; Rajarambapu Institute of Technology
- **Usage Of Tools In Enhancing Teaching And Learning Mechanics Of Materials Course;** Nagaraj Ekabote; KLE Technological University
- **Implementation Of Design Thinking In Engineering Project Using EPICS Human Centered Design Process;** Santosh Naik, Azeem Unnisa, Yakub James, Hema Mahajan; Hyderabad Institute of Technology and Management
- **Solving Ejection Method In Helicopters Through EPICS;** Varun Sesha Kuchibhotla, Nizambad Saikrishna, Mallavaram Revanth Reddy; Hyderabad Institute of Technology and Management
- **Effective Utilization Of Design Thinking Process To Understand And Implement The Need Of Community Partner;** Hemalatha Chengala, Abhijeet Kumar, Abhijeet Kumar, T Anitha Kumari, Hyderabad Institute of Technology and Management
- **Binding Industrial Needs by Winding Curriculum Deeds;** Gurupadayya M Hiremath , Basavaraj Kotturshettar, Gurupadayya M Hiremath; KLE Technological University
- **An Approach of Project Based Learning in Post Graduate Programme in Engineering;** Prashant P Revankar, Rakesh Tapaskar, Mahesh Gorawar , Rajashekhar Hosmath; KLE Technological University Hubballi
- **Instilling Research Attitude In Students At Mechanical Engineering School Through Reu Approach;** Prashant P Revankar, Nagaraj Banapurmath , Rajashekhar Hosmath, Mahesh Gorawar, Rakesh Tapaskar; KLE Technological University
- **An Improvised, Interactive And Gamified Integrated Development Environment;** Ragesh Raju, Sathyendra Bhat, Bikramjit Athokpam, Rio D'Souza, Shreeranga Bhat; St Joseph Engineering College
- **Effective Implementation of Continuous Implementation and its Future Scope in Outcome Based Education;** Rajini Nagaraj, Siva Irulappasamy, Rajesh S, Bennet Chellam; Kalasalingam Academy of Research & Education
- **Online Proctoring for On-demand Exams in Distance Engineering Education Courses;** Anil Kulkarni; Penn State University
- **Robotics: A Platform for Multidisciplinary Learning, Discovery, and Engagement in Field and Laboratory Settings at University of Maryland Eastern Shore;** Abhijit Nagchaudhuri, Madhumi Mitra; University of Maryland Eastern Shore
- **CAD Modelling linked Minor Project;** Umesh P Hosmani, Gurupadayya M Hiremath; KLE Technological University

Session 3

Chair: Veena Kumar, U of Maryland University College

Co-Chair: Anil Pandit, GIAF

- **Use of Problem Based Learning for Teaching Analytical Subject in Civil Engineering: A Case Study for Theory of Structures Course;** Athar M Jamadar; Rajarambapu Institute of Technology
- **Active Learning through Open Source Gnomio Moodle for Attainment of pedagogical activities ;** Vinay Arun Kulkarni, P Malathi, D Y Patil College of Engineering, Akurdi, Pune ; Maneet Dhanvijay, B B Ahuja; College of Engineering, Pune

		<ul style="list-style-type: none"> • <i>New methodology for the enhancement of the strength of students in government primary schools</i>; Arun Upmanyu Himanshu Sharma, Archana Mantri, Jyotsna Kaushal, Pooja Mahajan; Chitkara University • <i>An Integrated Pedagogical Approach for Effective Teaching of Research Methodology Course at Undergraduate Level</i>; Shivalingsarj Vijaykumar Desai; KLE Technological University • <i>Modified Jigsaw Method</i> ; Yogesh Anandrao Chougale; Rajrambapu Institute of Technology • <i>A critique analysis on growth and effect of Alternative Digital Credential</i>; Ajitkumar N Shukla; PSIT, Kanpur • <i>Concept Mapping As A Tool To Teach Engineering Mathematics</i> ; Umesh Bhujakkanavar; Rajarambapu Institute of Technology Rajaramnagar • <i>Professional engineering practices through Master’s degree program in technology or engineering</i>; Raveesh S., Sreenidhi Turuvekere, Asis Sarkar, Nirankar N. Mishra , Vinay Venugopal Shambhu Shastry; Siddaganga Institute of Technology • <i>Infusing project based learning in a nanotechnology M. Tech. program</i>; Nirankar N. Mishra , Raveesh S., Asis Sarkar, Sreenidhi Turuvekere, Vinay Venugopal, Shambhu Shastry; Siddaganga Institute of Technology • <i>Identification and Classification of Teaching Learning tools aligned with Education 4.0</i>; Deepak H Sharma, Anjali Santosh Chachra; KJ Somaiya College of Engineering • <i>Design, development of Android Application for teaching, learning with mobile computing devices</i>; Anjali Santosh Chachra; KJ Somaiya College of Engineering • <i>Case Study Approach for Developing Teaching in Management by Applying Think-Pair-Share Technique.</i>; Seema S Desai; Rajarambapu Institute of Technology • <i>Change in teaching practices and perception of the learning process in the Introduction To Engineering Courses Of Engineering And Science: Towards A Reflective Culture Of University Teaching</i>; Eugenio Bravo ; Universidad De Chile 	
		<p>Session 4 Chair: Sohum Sohoni, Arizona State University Co-Chair: Pratibha Nagabhushan, Australian Catholic University</p> <ul style="list-style-type: none"> • <i>An Experience of Implementing Agile Project Management Practice in Freshman Engineering Course</i> ; Jyoti Gadad, Vinay Talageri, Kaushik Mallibhat, Sanjeev Kavale , Gopalkrishna Joshi; KLE Technological University • <i>A top down approach from job to course</i>; Vishal B Pattanashetty, Shamshuddin K, Nalini Iyer; KLE Technological University • <i>Use Of Kahoot As A Formative Assessment Tool In Engineering Education</i>; Shweta Dhawan Chachra; KJ Somaiya College of Engineering • <i>Marketing Mix Contest as a Tool of Experiential Learning.</i>; Seema S Desai; Rajarambapu Institute of Technology • <i>STEM Education as a Career for Engineering Graduates</i>; Aditya R Bhatnagar; Drona Edutronics Pvt Ltd • <i>Challenges In Implementing IEEE EPICS By Faculty</i> ; Yakub James, Santosh Naik, Arzitha Rachakonda, Azeem Unnisa; Hyderabad Institute of Technology and Management • <i>Expected benefits of augmented and virtual reality based online learning platforms for engineering education</i> ; Abhishek Garg, Sartajvir Singh, Lipika Gupta; Chitkara University • <i>Team Alchemy: Tools for Overcoming Common Problems in Managing Team Projects in Engineering Education</i>; Elizabeth A Powell, Mohan D Rao; Tennessee Tech • <i>An Initial Classification of Engineering Education Research Papers in India</i>; Javeed Kittur, Sohum Sohoni; Arizona State University; Preethi Anand Baligar, Gopalkrishna Joshi; KLE Technological University • <i>Influence of Students' Background on Their Need Identification Capabilities : A Study</i>; Kaushik Mallibhat, Gopalkrishna Joshi; KLE Technological University 	

		<ul style="list-style-type: none"> • Fishbowl Discussion - An innovative tool for learning Marketing; Aniket Suresh Pardeshi; Rajarambapu Institute of Technology, Rajaramnagar 	
		<p>Session 5 Chair: Anil Kulkarni, Penn State University Co-Chair: Kalyan Ram, Electronosolutions</p> <ul style="list-style-type: none"> • G-Suit Based Application for Calculations of Course and Program Outcome Attainment; Kartik R. Patel, Arati S Phadke, Sangeeta Kulkarni; K J Somaiya College of Engineering • A study of Impact of Augmented Reality for Engineering Education; Samuel Jacob; Atharva College of Engineering • Technology Enhanced Learning: Introducing Mobile Phone Eco System in Classroom Activity; Madhu V Asundi, Vinay Talageri, Gopal Joshi; KLE Technological University • Video Case Study- Immersive approach for Learning; Madhav U Tilve; Rajarambapu Institute of Technology • Micro-learning as a means to Lifelong Learning for Millenials; Sanjeev M Kavale, Raghuraja Adi, Kaushik Mallibhat, Ashwin Kubasagoudar; KLE Technological University • A Study of Factors Influencing the Problem Solving Skills of Engineering Students; Kaushik Mallibhat, Sita Bhadargade, Gopalkrishna Joshi; KLE Technological University • Educating Engineers To Meet Grand Challenges (GC's) And Address Sustainable Development Goals (SDG's); John Tharakan; Howard University • Test Item Analysis for Effective Question Paper Design; Kartik R. Patel; K.J. Somaiya College of Engineering • Influence Of Faculties Attitude On Subject Interest And Class Environment; Ramarajan C; Kalasalingam Academy Of Research And Education • Impact of Industry Academia Collaboration; Prasenjit Das, Shaily Jain; Chitkara University, Himachal Pradesh • Enhancing Project Development Skills With Engineering Exploration; Jasdev Bhatti, Archana Mantri, Manpreet Kaur, Jyotsna Kaushal, Mohit Kakkar; Chitkara University 	
		<p>Session 6 Chair: Mohan Rao, Tennessee Tech University Co-Chair: Beth Powell, Tennessee Tech University</p> <ul style="list-style-type: none"> • Active Learning For Electromagnetic Waves And Theory Using Simulation With Matlab; Soumya S Patil; K L E Technological University, Hubballi • Reshaping the Electrical /Electronics/computer Engineering Curriculum for Freshman and Second Year Level; J Nageswara Reddy, G Karthik Reddy; CMR College of Engineering & Technology • Electronic Digital Display Board Using GSM Through EPICS; Vishnu Priya, Kothamasu Bhagyasree, Chaluvadi Nikitha, Vaishnavi Rao; Hyderabad Institute of Technology and Management • A study on different MOOC models for engineering education; Gurinder Singh, Sartajvir Singh, Lipika Gupta; Chitkara University • A Community Oriented Project For The Aged Through EPICS - "Pill Dispenser"; Aishwarya Gopakumar, Ashmitha Chandrasekaran, Kireeti Mantrala, Prithvi Raj; Hyderabad Institute of Technology and Management • Enhanced Optimization Skills in Embedded System: Integrated Learning; Preeti Pillai, Bhagyashree K., Nalini Iyer, Prabha Nissimagoudar, Rohini S H, Shrishail P; KLE Technological University • Enhance the learning of digital signal processing through implementation assignment; Gireesha H M, Rohit Kalyani, Raghavendra M Shet , R M Banakar; KLE Technological University • Using Google classroom for teaching Post-Millennials: Benefits and Challenges; Lipika Gupta, Amit Monga; Chitkara University 	

		<ul style="list-style-type: none"> • Usage of Moodle to Improve Teaching Learning Process in Control System Engineering; Lekha Das, Megha Sharma; K J Somaiya College of Engineering • Distributed cognition considered as a single cognition system among learners; Mamatha M Nagaraj; BMS College of Engineering • An Initiative Towards Analog And Mixed Signal Design- Prkalp ; Sujata S Kotabagi; KLE Technological University 	
		<p>Session 7 Chair: Vijay Kanabar, Boston University Co-Chair: Ranji Vaidyanathan, Oklahoma State University</p> <ul style="list-style-type: none"> • Enhanced Learning Experience by Comparative Investigation of Pedagogical Approach: Flipped Classroom; Shraddha Hiremath, Nikita Patil, Nalini Iyer, Sujata S Kotabagi, Soumya Bakale, Rajeshwari Hangal, Sujata Naduvinamani, Poornima M, Jyoti Patil; K.L.E Technological University • Robotics - A practical approach to groom young minds towards engineering education; Archana H R, Radha R C, BMS College Of Engineering • VIRTUAL LABS-A source of inspiration for experimental learning; Radha R C, Archana H R; BMS College Of Engineering • Design and Implementation of Electrical Protection Scheme through Student Lead Conference (An Active Learning Tool); Yogini Nilesh Bhosale, Arun R Thorat; Rajarambapu Institute of Technology, Rajaramnagar, Islampur • Self Study an Approach for Student centric learning in DSP Course; Lalitha S, Veena M B, BMS College of Engineering • Simulation based learning for Non-Integrated Course; Pushpa K K, Sanjana T; BMS College of Engineering, Anitha S; ACS College of Engineering • Hardware-in-the-loop (HIL) simulation technique for an automotive electronics course; Prabha C. Nissimagoudar; K.L.E Technological University • Industry Institute Interaction for the IOT Course; K R Sudhindra; BMS College of Engineering • Learn by doing-Applications of Electronics –A student perspective; Surendra H H; BMS college of engineering • Flipped Classroom: An Approach to Improve Learning Performance of Engineering Students in Digital Electronics; Amit Kumar, Shivani Malhotra, Rubina Dutta; Chitkara University • Visible Learning An approach using ICT tools; Veena M B, Lalitha S; BMS College of Engineering 	
	5:30 pm to 6:00	Valedictory	