

ICTIEE 2019 Schedule HYDERABAD

Jan 5	9:30 am to 4:30 pm	Workshop: “Grand Challenges Scholar Program’ Lueny Morrell, InnovaHiEd and B. Ramakrishna, National Academy of Engineers, USA (Fee: Rs. 1,000 for those registered ICTIEE 2019 Hyderabad; Rs. 1500 for those not)	Rm MREC
		Workshop: “Changing Face of Machine Learning: Opportunities in the Future” Dr. Rao Vemuri, University of California, Davis (USA) (Fee: Rs. 1,500 for those registered ICTIEE 2019, Rs. 2,000 for those not)	Rm MREC
Jan 6	9:30 am to 12:30 pm	Workshop “Engineering Education Research” (Fee: Rs. 500 for those registered ICTIEE 2019 Hyderabad; Rs. 1000 for those not) Dr. Sohum Sohoni, Arizona, St Univ, Dr. Prathiba Nagabhushan, Australian Catholic Univ	Rm MREC
	9:30 am to 2:30 pm	Designing Assessments for Programming related courses (Fee: Rs. 1,000 for those registered ICTIEE 2019 at Hyderabad; Rs. 1,500 for those not).	Rm MREC
	2:00 pm to 4:00 pm	IUCEE Leadership Meeting (Invitation Only)	Taj Vivanta
	4:00 pm to 6:00 pm	IUCEE Facilitators and Leaders Meeting (Invitation Only)	Taj Vivanta
	7:00 pm to 9:00 pm	Welcoming Dinner (Invitation Only)	Taj Vivanta
Jan 7	7:30 am to 9:30 am	Registration	Rm. MREC
	9:30 am to 11:00 am	Sponsor Workshop: National Instruments (Registered delegates only)	Rm MREC
		Sponsor Workshop: Dassault Systemes (Registered delegates only)	Rm MREC
		Sponsor Workshop: Mathworks (Registered delegates only)	Rm MREC
		Sponsor Workshop: IonCudos (Registered delegates only)	Rm MREC
		Leadership Meeting (Invitation only) International Experts and Heads of IUCEE Consortium Institutions	Rm MREC
	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 IFEES, General Secretary GEDC Keynote 2: Dr. Stephanie Farrell , President, ASEE Keynote 3: Dr. Ashok Shettar , VC, KLE Technological University	Auditorium MREC
	1:00 pm to 2:00 pm	LUNCH	
	2:00 pm to 3:30 pm	DYNAMIC CLUSTER SHARING SESSIONS	
		Teaching and Learning Centers (TLC) Chair: Claire Komives, San Jose State University Moderator: Rio D’Souza, St. Joseph Engineering College Mentor: Jayant Sathe, GIAP	
Outcomes Based Education (OBE) Chair: Ashok Saxena, U of Arkansas Moderator: Sushma Kulkarni, Rajarambapu Inst of Technology Mentor: Dilip Chemburkar, GIAP			
Engineering Projects in Community Service (EPICS) Chair: Bill Oakes, Purdue University Moderator: John Tharakan, Howard University Mentor: Ravi Salagame, GIAP			
IIEECP Certification Program (IIEECP) Chair: S. Farrell, Rowan University			

	<p>Moderator: Veena Kumar, U of Maryland University College Mentor: Anil Pandit, GIAF</p>	
	<p>Engineering Education Research (EER) Chair: Sohum Sohoni, Arizona State University Moderator: Pratibha Nagabhushan, Australian Catholic University</p>	
	<p>First Year Engineering Experiences (FYEE) Chair: Neeraj Buch, Michigan State University Moderator: Gopal Joshi, KLE Tech University Mentor: Nishtha Chouhan, GIAF</p>	
	<p>Entrepreneurship (ENTR) Chair: Ranji Vaidyanathan, Oklahoma State University Moderator: Guru Subramanyam, U of Dayton Mentor: Madhu Atre, GIAF</p>	
	<p>Virtual & Remote Labs (VRLAB) Chair: Anil. Kulkarni, Penn State University Moderator: Kalyan Ram, Electronosolutions</p>	
	<p>Grand Challenges Scholar Program (GCSP) Chair: Mohan Rao, Tennessee Tech University Moderator: Lueny Morrell, InnovaHiEd Mentor: Beth Powell, Tennessee Tech University</p>	
	<p>Industry 4.0 (Ind4.0) Chair: R. Vemuri, UC Davis</p>	
2:00 pm to 3:30 pm	<p>SPECIAL STUDENT SESSION: Preparing for Higher Education Abroad Rajkamal Rao, Rao Advisors</p>	
3:30 pm to 4:00 pm	<p>BREAK</p>	
4:00 pm to 6:00 pm	<p>Paper Presentations 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"> • <i>Innovative Methods In The Evaluation Of Postgraduate Courses;</i> Thanikachalam Vedhathiri, NITTTR, Chennai • <i>Entrepreneurship Edification Through Innovative Design Thinking In Indian Educational Scenario;</i> Varaprasadarao Manda, Godavari Institute Of Engineering & Technology • <i>Effect On Self-regulated Learning Strategies On Engineering Students;</i> Thanikachalam Vedhathiri, NITTTR, Chennai • <i>Promoting the Quality of the research in India;</i> Hemalatha J Kalasalingam Academy of Research and Education • <i>Implementation Of Teaching Learning Process Through Establishment Of TLC-An initiative case study at Sphoorthy Engineering College;</i> Tuti Sandhya, Syed Abdurrauf Magrabi, Sphoorthy Engineering College • <i>Contribution To Diverse Engineering Faculty And To The South Asian Regional Development- A Case Study;</i> Thanikachalam Vedhathiri, NITTTR, Chennai • <i>Integrated Approach for Teaching and Learning for Electrical Engineering: A Case Study;</i> Akanksha Mishra, Vignan Institute of Engineering for Women • <i>The Innovative Methods Of Teaching For The Millennial Engineering Students In India;</i> Varaprasadarao Manda, Godavari Institute Of Engineering & Technology • <i>Social Innovation To Establish Path From Engineering To Entrepreneurship;</i> Nagaraju Thandu, CMR Institute of Technology • <i>Conducting engineering design and product realization course across multidisciplinary domains;</i> Gururaj Fattepur, Basavaraj Kotturshettar, KLE Technological University 	

		<ul style="list-style-type: none"> • An Introductory Course in Technology Entrepreneurship; Satheesh G Raju, S R Engineering College • Minor Project Approach to imbibe Entrepreneurship in PG Energy System Engineering – Solving; Prashant P Revankar; Rakesh Tapaskar, Mahesh, Rajashekhar Hosmath, KLE Technological University Hubballi • Integrating Engineering, Computer Science And Entrepreneurship; Devdas Shetty, University of the District of Columbia, Washington DC 	
		<p>Session 2 Chair: Sushma Kulkarni, Rajarambapu Inst of Technology Co-Chair: Dilip Chemburkar, GIAF</p> <ul style="list-style-type: none"> • Implementation Of Pedagogy For Enhancing The Learning Of Operating System; Hema Pankaj Mahajan, Kannaiah Chettu Subhani Ali, T Anitha Kumari, HITAM, Hyderabad • An Innovative Approach for Continual Improvement of CO-PO Attainments ; Rajendra Prasad M; Anu Radha MNL; Vidya Jyothi Institute of Technology • Use of Self Created Video to Implement the Flipped Classroom Activity for SQL - A Case Study; Sunita M Dol, Walchand Institute of Technology, Solapur • A Laboratory Based Approach for CO and PO Attainment for Tier II Institutions; Kumar Swamy Vadla, K.L.E.Institute of Technology • Classical evaluation method to improve standard setting in engineering courses-A case study; Juliusfusic Sekaran, Thiagarajar College of Engineering • An engineering curriculum; Shambhu Shastry; Sreenidhi Turuvekere, Nirankar N. Mishra, Asis Sarkar, Siddaganga Institute of Technology. • Design of cross-disciplinary nanotechnology M. Tech. program for technology and engineering students; Sreenidhi Turuvekere; Asis Sarkar; Nirankar N. Mishra, Vinay Venugopal, Shambhu Shastry, Siddaganga Institute of Technology • Innovations in teaching-learning, evaluation and assessment; Asis Sarkar; Nirankar N. Mishra, Sreenidhi Turuvekere, Vinay Venugopal, Shambhu Shastry; Siddaganga Institute of Technology • Bringing 3-D Printing Technology to the Education; Amol Madhukar Kolhe, MIT Academy Of Engineering, Alandi (D), Pune • Enhancing Students Learnings In Mechanics Of Material Course Through Contextual Learning; Roopa A.K., Anand Hunashyal; K.L.E.Institute of Technology • Innovative Methods in Teaching; Indira Priya Darshini; Vidya Jyoti Institute of Technology • A Study On Novel Teaching Strategies For Engineering Students; Macha Sujatha Latha; Vidya Jyoti Institute of Technology • A conceptual model to motivate engineering students based on the ‘ARCS’ model of motivation; Mandadapu S.V.K.V. Prasad, Swarnandhra College Of Engineering & Technology 	
		<p>Session 3 Chair: John Tharakan, Howard University Co-Chair: Ravi Salagame, GIAF</p> <ul style="list-style-type: none"> • A Study On The Key Competencies For The Enhancement Of Leadership Qualities In Engineering Students; Anu Radha MNL, Vidya Jyothi Institute of Technology • Innovative Measures in Evaluation and Assessment; Padma Rampalli, Vidya Jyothi Institute of Technology • Curriculum development of an Engineering PG program at an autonomous institute – A case study; Satyajit Patil, Pankaj S Ghatage; Rajarambapu Institute of Technology, Islampur • Achieving Excellence In Classroom Learning By ARCS Model And Active Learning Strategies; Krishna Janapati Chaithanya; Vardhaman College Of Engineering 	

		<ul style="list-style-type: none"> • Modified STAD and its use as an activity based learning and evaluation; Maruti Jadhav , Mahadev Patil; Rajarambapu Institute of Technology • IRSIEC Technique - Integral Revision, In Semester Examination and Evaluation of Content/Course; Ansar A Mulla; Satyajit Patil Rajarambapu Institute of Technology;; Taufiq Mulla ; Ashokrao Mane Group of Institutions, Wathar, Shivaji University Kolhapur, M.S. INDIA) • Activity Based Learning for Principles of Compiler Design Course; Gautami G Shingan ; Rajarambapu Institute of Technology, Sakharale • Adoption of New Industry Oriented Software Engineering Practices for Improving Students Projects; Ravindra Jagannath Mandale; Ashwini Patil ; Rajarambapu Institute of Technology, Rajaramnagar • 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; Eugenio Bravo; Universidad De Chile • 'Interlinking Topics' based Assessment Method for Enhancing Comprehensive Understanding in Students; Sivapragasam Chandrasekaran; Vanitha Sankararajan; Diagu J;Kalasalingam Academy of Research and Education • An innovative approach to improve competency in Data Structures with C; Vijaya S Eligar; KLE Technological University • EPICS Iterative Implementation At HITAM; Hema Pankaj Mahajan ; Azeem Unnisa; Kannaiah Chettu, Subhani Ali; Hyderabad Institute of Technology and Management • An Initial Classification of Engineering Education Research Papers in India; Javeed Kittur; Arizona State University; Sohun Sohoni; Arizona State University; Preethi Anand Baligar; Gopal Joshi; KLE Technological University, Hubballi 	
		<p>Session 4 Chair: Veena Kumar, U of Maryland University College Co-Chair: Anil Pandit, GIAP</p> <ul style="list-style-type: none"> • Learn by Relative Identity Mapping and Recitation [L-RIMR] -A New perspective of Engineering Teaching Methodology for Innovation; Bhuvanewary N; Radeep Krishna R; Kalasalingam University • Teaching Methodologies for Generation Z Students; Prakash Hegade; KLE Technological University • Course Design Towards Experiential Learning : An Integrated Approach; Suneeta Budihal; Ujwala Patil; Nalini Iyer; KLE Technological University • The Examination Reforms in line with OBE Philosophy; Umakant Pandurang Kulkarni, Kiran Shindhe, Shrihari Joshi, Indira Umarji; SDM College Of Engineering And Technology • Project Based Learning: An Innovative Approach for Integrating 21st Century Skills; Rajendra V Pawar, Sushma Kulkarni, Sachin K. Patil ; Rajarambapu Institute of Technology, Rajaramnagar • ABDP: The Shop Floor Experience to Improve Students Conceptual Understanding of the Course Metrology & Quality Control; Pruthviraj C Chavan, Sachin K. Patil; Mahesh L Deshpande, Rajarambapu Institute of Technology, Rajaramnagar • Innovative teaching learning methodologies and their assessment in higher education system; Ramaganesh Marimuthu, Rajini Nagaraj; Kalasalingam Academy of Research & Education • Algorithmic Problem Solving – A Course towards Competitive Programming; Prakash Hegade, Ashok Shettar, Meena M, Satyadhyan Satyadhyan Chickerur; KLE Technological University • Implementation of Project-Based-Learning (PBL) approach for Bioinformatics Laboratory Course; Sharanappa M Achappa, Laxmikant Patil , Veeresh Hombalimath, Anil Shet, Uday Muddapur; KLE Technological University • Importance And Benefits Of Doing Engineering In EPICS; Hema Pankaj Mahajan, T Anitha Kumari, Hemalatha Chengala, Mallavaram Revanth Reddy; Hyderabad Institute of Technology and Management 	

		<ul style="list-style-type: none"> • Problem-based learning: A Case Study of Applying GIS in Natural Resource Management; Yoganandhan Uthayasuriyan, Sivapragasam Chandrasekaran; Kalasalingam Academy Of Research And Education • The Impact of Effective Faculty Training Programme on the Pass Percentage of Engineering Students: A Self Assessment; Shankaranand Jha; S R Engineering College, Warangal • BluePrint Pedagogy in Software Engineering and Mini Project; Prakash Hegade, Meena M; Padmashri Desai; KLE Technological University 	
		<p>Session 5 Chair: Sohum Sohoni, Arizona State University Co-Chair: Pratibha Nagabhushan, Australian Catholic University</p> <ul style="list-style-type: none"> • A Case Study - Effect of Think- Pair- Share in a Large Mathematics Class; Nandini A Rai; K.J.Somaiya College Of Engineering • Innovative Approaches for Teaching the Control Systems to Strengthen the Learning Ability of Engineering Students in India; Ramsha Karampuri, Chandan Shiva, Rajababu Durgam, Nidhi Verma, Rajender Boini; S R Engineering College, Warangal • Impact of Remedial Classes in Engineering Freshmen Course- A Case Study in Course of Engineering Physics; Umamaheswar Singh; Hyderabad Institute of Technology and Management • Pedagogical Interventions in Teaching Thermal Engineering Courses at UG Programme Level; Yunus Tatagar, Sanjeev Khandal, Mahesh Gorwar, Nagaraj Banapurmath, Prashant P Revankar; KLE Technological University , Hubballi • Effective Learner Centered Teaching Approach with 3S Formula; Meghana Pandita, Rohit, Jyoshna Allenki; Sphoorthy Engineering College • 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 • Learning with Canvas LMS; Mukesh K. Gilda, Raghuveer LVS; Sphoorthy Engineering College, Hyderabad • Application of Problem Based Learning for Tender Award Activity of Construction Contract; Amol Sadashiv Thorbole; Rajarambapu Institute of Technology • A shift towards cooperative learning for Engineering Physics laboratory for meaningful learning of students; Swati N Pusawale, Prashant S Jadhav, Dhananjay Thombare; Rajarambapu Institute of Technology • TPS & WPS to motivate Electrical Engineering Students; Syed Abdur Rauf Magrabi; Sphoorthy Engineering College • An integrated approach of project and product based learning (PPBL) for engineering Workshop Practice course.; Prashant S Jadhav, Dhananjay Thombare, Sachin B Khot, Prakash M Jadhav; Rajarambapu Institute of Technology • Improving Teaching Learning Process Through TPACK for Electrical Machines Course; Khamruddin Syed; K G Reddy College of Engineering & Technology • An innovative approach to foster product development in a multidisciplinary environment at sophomore level in engineering; Sanjay S Eligar, Sachin Angadi; KLE Technological University 	
		<p>Session 6 Chair: Neeraj Buch, Michigan State University Co-Chair: Gopal Joshi, KLE Tech University</p> <ul style="list-style-type: none"> • Rubric Design And Grading By Groundbreaking Methods In Continuous Assessment; Muralinath Patimalla; RK University • Enhanced hands on and field training for quality research; Ram Kumar Pandian Sureshbabu; Kalasalingam Academy Of Research And Education • Teaching And Learning Methodologies: Emerging Trends In 21st Century Education; A V KrishnaRao Reddy, Ajay Dasari, G Karthik Reddy; CMR College of Engineering & Technology 	

		<ul style="list-style-type: none"> • The Response of Learning Styles to Teaching Methodologies: A Case Study; Bharadwaj Kasi, Sowjanya Dundhigal, Uma Mahendar Yadav R; CMR College of Engineering & Technology • Collaborative learning of Institutions – Industry – Society Bringing Success; M.V. Babu Tanneru, Arulanandh T.S.; MLR Institute of Technology • Effective Teaching And Learning For Analytical Subjects: - A Case Study With Analysis And Comparison Using CMOt, GAA And GAA_LS For Formal Languages And Automata Theory Course; Deepa S Garag; KLEIT, Hubballi • Industry Academia Interaction In Engineering Education Through Professional Associations; Thanikachalam Vedhathiri, NITTTR, Chennai • Effective Utilization of Maker Space for Facilitating Product Realization Course; Raghavendra M Shet, Satish Chikkamath, Praveen Kumar; KLE Technological University • Theme Based Projects: Industry Institute Engagement; Ujwala Patil, Suneeta Budihal, Ramesh Ashok Tabib, Heera Wali, Nalini Iyer; KLE Technological University • Strategies For Promoting Globally Competitive Engineering Education In India; Thanikachalam Vedhathiri, NITTTR, Chennai • A Step Towards Introducing Data Analytics and Visualization for Students of Electrical Sciences: An Initiative Through Machine Learning Course; Uma Medungudi, Ujwala Patil, Suneeta Budihal, Ramesh Ashok Tabib, Shruti Maralappanavar, Satish S Chikkamath, Nalini Iyer, Ashok Shettar; KLE Technological University • Role Of Heads Of Indian Engineering Colleges In Implementing Digital Technology Based Programs; Thanikachalam Vedhathiri, NITTTR, Chennai 	
		<p>Session 7 Chair: Guru Subramanyam, U of Dayton Co-Chair: Madhu Atre, GIAF</p> <ul style="list-style-type: none"> • Value Education In Professional Institutions- A Rationale; Rajeshwari Hegde, BMS College of Engineering; Uma Shrikar, Srinivas School of Engineering; Gopalan Oppiliappan, Intel Corporation • Women Entrepreneurship in Digital Era: A Case Study; Srilakshmi Gali, Sphoorthy Engineering College • A Study on the Scenario of Engineering Education in India and its Influence on Learning Styles; Ajay Dasari, CMR College of Engineering & Technology • Active Learning For Electromagnetic Waves And Theory Using Simulation With Matlab; Soumya S Patil; BVBCET • Modified Jigsaw Method ; Yogesh Anandrao Chougale, Rajarambapu Institute of Technology • Concept Mapping As A Tool To Teach Engineering Mathematics ; Umesh Bhujakkanavar, Rajarambapu Institute of Technology • Novel Pedagogical methods for Effective Learning of Chemistry in Engineering Education; Padmavathi Papolu, VNR Vignana jyothi Institute of Engineering and Technology • Induction Program: A Profound Guide To Achieve Success; Rajeshwari Hegde, Shikha N, BMS College of Engineering; Gopalan Oppiliappan, Intel Corporation • Impact of ICT Tools In Logic development of Computer Programming; Shubhangi Kale, Jayashree A Patil; MIT Academy of Engineering Alandi (D) • Design, development of Android Application for teaching, learning with mobile computing devices.; Anjali Santosh Chachra, Arghyadeep Das; KJ Somaiya College of Engineering • Challenges Faced By Women In Engineering Education; Harshavardhini Thokala, Divyasai Peddi, Hasitha Sri; KKR And KSR Institute Of Technology And Sciences • FegTPS Vs TtTPS Activity to Teach the Algorithms of System Programming Course in Engineering Education; Sunita M Dol, Walchand Institute of Technology, Solapur • The Computer-Aided Integrated Circuit Application Development (CAICAD): OBE Implementation; Rajendra Prasad M; G Nagendra, Vidya Jyothi Institute of Technology 	
		<p>Session 8 Chair: Anil Kulkarni, Penn State University</p>	

Co-Chair: Kalyan Ram, Electronosolutions

- **Indian Engineering EducaUtion : The Missing Jigsaw Pieces To Enhance Student Productivity;** Hemanth V Potluri, SuVedh Educators
- **Benefits of Integrating ‘Socially Relevant Projects’ in the Curriculum of Engineering Education:** Indian Perspective; Praveen G V, S R Engineering College, Warangal; **Chinmai Sai G V, S R International Institute of Technology, Hyderabad**
- **Experiential learning in Electrical Engineering through LabVIEW programming and National Instruments Hardware;** D. Devaraj Kalasalingam Academy Of Research and Education; M Ulaganathan, Kalasalingam Academy Of Research and Education
- **Enhanced Employability-Bridge;** Madiraju Sirisha, Mohebbu Naaz, Joseph Rajiv, Divya Nalla; Nalla Malla Reddy Engineering College
- **Enhancing Technical Knowledge With Community Based Project ;** Praveen Kullu, Ravali Nandula, Aishwarya Gopakumar, Pranay Pusuluru; Hyderabad Institute of Technology and Management
- **Effective Implementation of Active Learning Methods in Higher Education;** Siliveri Swathi, Tuti Sandhya, Yarram Priya; Sphoorthy Engineering College
- **Teaching Microcontroller- A Project Based Learning Implementation ;** Ramesh Tukaram Patil; Rajarambapu Institute of Technology
- **Evaluating and Analyzing the Impact of Tutorial Classes Based on Specific Inputs to Improve Teaching Learning Process;** Kannan Shanmugam; Malla Reddy Engineering College
- **A Society Based Project By Epics - Pace Detector;** N G S M Durgesh, Pratik Bose, Mohammad Amer, Gaurav Pratap Singh; Hyderabad Institute of Technology and Management
- **An Effective Approach To Solve Community Based Project- EPICS;** Shaik Yaser Hussain; Syed Majeedullah, Santosh Naik, Hema Mahajan; Hyderabad Institute of Technology and Management
- **Design and Development of Concept Assessment Tool (CAT): A Concept Inventory;** Akhil Sachan, Gururaj Bhadri, K.L.E Technological University; Javeed Kittur, Arizona State University
- **Effect Of Flipped Classroom Active Learning Method On Engineering Students;** Mahadev Patil; Maruti Jadhav, Ramesh Tukaram Patil
- **Problem Based Learning to Get, the Rid of Orthographic Projection in Engineering Graphic Course;** Sachin N Savant, Prashant V Gunjavate; Rajarambapu Institute of Technology

Session 9

Chair: Mohan Rao, Tennessee Tech University

Co-Chair: Beth Powell, Tennessee Tech University

- **Transformation of Engineering Education from Traditional Teaching to Modern Teaching Methodologies;** Vamsi K Basava, Prasanna Kumar; Malla Reddy Engineering College (A)
- **Project Based Learning Implementation for Subject Hydraulics and Pneumatics;** Yogesh Sadashiv Patil; Rajarambapu Institute of Technology
- **Solar Aqua Skimmer – An Innovation In Engineering Project;** Alankar Achadian, Nikitha Mandari, Rahil Hussain, Mahesh Dapke; Hyderabad Institute of Technology and Management
- **Technical Quality Based Visual Representations of Formative Assessment Systems with Rubrics;** S.Dhanalakshmi Senthilkumar, Prabakaran T, S.Sudhakara Reddy; Malla Reddy Engineering College (A)
- **An Active and Collaborative Development of the Multiple Projects using Jigsaw Activity;** Rambabu Mudusu, KG Reddy College of Engineering & Technology; Siva Prasad, Anurag Engineering College
- **Finding Solution To Waste Management Through EPICS;** Aashish Sharma, Chevuri Naveen Venkat Sai, B Vakula Devi, Y Umamaheshwar, Hyderabad Institute of Technology and Management

		<ul style="list-style-type: none"> • An Initiative Towards Solving A Problem Of Old Age People; S Bhargav, Subhani Ali, Sanchita Sharma, Azeem Unnisa; Hyderabad Institute of Technology and Management • Essence of Effective Teaching and Principles of Active Learning in Higher Education; Thuvva Anjali, Are Vigneshwari, Sudheer Kumar Jakkula; Sphoorthy Engineering College • Structuring research experiences for undergraduates through problems in engineering education; Preethi Anand Baligar, Gopal Joshi; KLE Technological University, Hubballi • Framework For Employability Through Skill Development: A Collaborative Approach; Saroja V Siddamal; KLE Technological University • Feasible study report on evaluation of learning outcomes and its assessments techniques; Adam Khan, Rajini Nagaraj, Ebenezer George, Bennet Chellam, J T Winowlin Jappes; Kalasalingam Academy of Research & Education • An Initiative Towards Analog And Mixed Signal Design-Prakalp; Sujata S Kotabagi; KLE Technological University • A Systematic Approach of Quantitative Aptitude Preparation by using Collaborative Learning Technique - RIT Experience; Ganesh Laxman Suryawanshi; Rajarambapu Institute of Technology, Rajaramnagar 	
		<p>Session 10 Chair: Vijay Kanabar, Boston University Co-Chair: R. Vemuri</p> <ul style="list-style-type: none"> • Impact Of Service Learning Through Epics For Solving Rural Area Problems ; Kasinadh Bandaru, Srinivas B, Lakshman K; Hyderabad Institute of Technology and Management • Integrated learning experience through open ended activity in UG Course; Vijaya Kumar, Praveen Kumar; KLE Technolgoical University • Integrating Problem-based Learning and Design Thinking approaches for Innovative Learning; Ram Kumar RP, Arun Kumar Kandru, Prabakaran T; Malla Reddy Engineering College (Autonomous) • Startup Internship Experience: Strategy, Process And Evaluation; Gopal Joshi, Preethi Anand Baligar, Nitin Kulkarni; KLE Technological University • Students' Motivation On Multidisciplinary Undergraduate Course In An Autonomous Institute; Shimola Jeslin; Malla Reddy Engineering College • Activity Based Realization of Theory Concepts for Novice Learners; Prasanna H Bammigatti, Harshavardhan Naganur; KLEIT, Hubballi • PBL: A Tool for Enhancing Outcome Based Education; Avinash Shaligram, Miriyala Durga Rao, Binsu Babu, Dhanraj Tambuskar, Pillai College of Engineering, New Panvel • Impact of Teacher's and Students' Learning Style on Continuous Learning; Shreeranga Bhat; St Joseph Engineering College • Overall Development of students through professional chapters in Engineering Institute: A case study; Jayashree S. Sudhir Awati; Rajarambapu Institute of Technology • Delivery of an Elective Course by Blending Innovative Pedagogy Techniques and Measurement of Its Impact on Performance of the Students; Sachin B Khot, Prashant S Jadhav; Rajarambapu Institute of Technology • Scaffolding of Active Learning Strategies in Enhancing Spatial Abilities of First-Year Students; Saravana Perumaal S; Thiagarajar College of Engineering, Madurai • Effective Implementation of Ethics and Moral Values Through Cognitive process ; Madhuri Gummineni; S R Engineering College • Social Media: A Curse or A Boon for Engineering Education in India; Yogesh Madaria; Malla Reddy Engineering College 	
		<p>Session 11 Chair: Ranji Vaidyanathan, Oklahoma State University Co-Chair: Devdas Shetty, University of Connecticut</p> <ul style="list-style-type: none"> • Interactive Tools to Enhance Teaching-Learning in Signals and Systems Course; Rajanikant Metri, VRSV Bharath Pulavarthi, Chandrakant Bhattar, Srikanth Islavatu; Rajarambapu Institute of Technology 	

		<ul style="list-style-type: none"> • Moodle: an Interactive Platform to Enrich the Learning; Rajanikant Metri; Rajarambapu Institute of Technology • Effective implementation of induction program for first year under graduate engineering students and assessment of achievements of the objectives; Dhananjay G Thombare; Rajarambapu Institute of Technology • Imposing values and professional ethics in the brains of Today's Engineer; Manasa Tanguturu; Stanley College Of Engineering And Technology For Women • Infusing Sustainability Concepts in First Year Engineering Program: A Case Study; Jagdish H Godihal, Kavita Godihal; MIT Aurangabad • Role of Social Media in bringing Transformation in Engineering Education; Madhuri Gummineni; S R Engineering College • Self Assessment Through Mind Mapping Activity For Infusing Skills; Madhuri Gummineni; S R Engineering College • Influence of Faculty's Attitude on Subject Interest and Class Environment; Ramarajan C; Kalasalingam Academy Of Research And Education • Peer Learning- A Pedagogy to Enhance Student Learning in Engineering; Kaushik Mallibhat, Manikanta Y Pujar, Gopalkrishna Joshi; KLE Technological University • Improvement in Students Performance using Jigsaw Method of Cooperative Learning: A Case Study; Popat Kumbhar; Rajarambapu Institute of Technology 	
	7:00 pm to 9:00 pm	Delegate Dinner	MREC
		Thanksgiving Banquet (Invitation Only)	Taj Vivanta
Jan 8	9:30 am to 11:00 am	Keynote 4: JNTU Vice Chancellor (invited) Sponsor Focus: Dassault Systemes Keynote 5: Michael Milligan, CEO, ABET Sponsor Focus: National Instruments Keynote 6: Bill Oakes, Purdue University	Auditorium MREC
	11:00 am to 11:30 am	BREAK	
	11:30 am to 1:00 pm	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: Sushma Kulkarni, Rajarambapu Inst of Technology Presenter: Ashok Saxena, U of Arkansas Presenter: Michael Milligan, CEO, ABET Engineering Projects in Community Service (EPICS), Service Learning Chair: Ravi Salagame, GIAF 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) Presenter: Sohun Sohoni, Arizona State University Presenter: Pratibha Nagabhushan, Australian Catholic University First Year Engineering Experiences (FYEE) Chair: Nishtha Chouhan, GIAF Presenter: Neeraj Buch, Michigan State University Presenter: Gopal Joshi, KLE Tech University Entrepreneurship (ENTR)	

		<p>Chair: Guru Subramanyam, U of Dayton Presenter: Ranji Vaidyanathan, Oklahoma State University Presenter: Madhu Atre, GIAF</p>	
		<p>Virtual & Remote Labs (VRLAB) Presenter: Kalyan Ram, Electronosolutions Presenter: Anil Kulkarni, Penn State University</p>	
		<p>Grand Challenges Scholar Program (GCSP) Chair: Beth Powell, Tennessee Tech University Presenter: L.ueny Morrell, InnovaHiEd Presenter: Mohan Rao, Tennessee Tech University</p>	
		<p>Industry 4.0 (Ind4.0) Chair: Vijay Kanabar, Boston University Presenter: Rao Vemuri, UC Davis Presenter: Devdas Shetty, University of Connecticut</p>	
		<p>Six Sigma for Education Chair: Rajkamal Rao, Rao Advisors Presenter: Dilip Chemburkar, GIAF</p>	
	1:00 pm to 2:00 pm	LUNCH	
	2:00 pm to 3:00 pm	<p>Sponsor Focus: Mathworks Keynote 7: Ashok Saxena, U of Arkansas Keynote 8: TS Industry Keynote 9: Lueny Morrell, InnovaHiEd</p>	
	3:00 pm to 3:30 pm	BREAK	
	3:30 pm to 4:30 pm	<p>DYNAMIC CLUSTER PLANNING SESSIONS</p>	
		<p>Teaching and Learning Centers (TLC) Chair: Claire Komives, San Jose State University Moderator: Rio D'Souza, St. Joseph Engineering College Mentor: Jayant Sathe, GIAF</p>	
		<p>Outcomes Based Education (OBE) Chair: Ashok Saxena, U of Arkansas Moderator: S. Kulkarni, Rajarambapu Inst of Technology Mentor: D. Chemburkar, GIAF</p>	
		<p>Engineering Projects in Community Service (EPICS) Chair: Bill Oakes, Purdue University Moderator: John Tharakan, Howard University Mentor: Ravi Salagame, GIAF</p>	
		<p>IIEECP Certification Program (IIEECP) Chair: S. Farrell, Rowan University Moderator: Veena Kumar, U of Maryland University College Mentor: Anil Pandit, GIAF</p>	
		<p>Engineering Education Research (EER) Chair: Sohum Sohoni, Arizona State University Moderator: Pratibha Nagabhushan, Australian Catholic University</p>	
		<p>First Year Engineering Experiences (FYEE) Chair: Neeraj Buch, Michigan State University Moderator: Gopal. Joshi, KLE Tech University Mentor: N. Chouhan, GIAF</p>	
		<p>Entrepreneurship (ENTR) Chair: R. Vaidyanathan, Oklahoma State University Moderator: G. Subramanyam, U of Dayton</p>	

		Mentor: Madhu Atre, GIAF	
		Virtual & Remote Labs (VRLAB) Chair: Anil. Kulkarni, Penn State University Moderator: Kalyan Ram, Electronosolutions	
		Grand Challenges Scholar Program (GCSP) Chair: Mohan Rao, Tennessee Tech University Moderator: Lueny Morrell, InnovaHiEd Mentor: Beth Powell, Tennessee Tech University	
		Industry 4.0 (Ind4.0) Chair: R. Vemuri, UC Davis	
	4:30 pm to 5:30 pm	Keynote 10: TS Minister Valedictory	