

ICTIEE 2019 Schedule HYDERABAD

Jan 5	9:30 am to 4:30 pm	Workshop: "Grand Challenges Scholar Program" Lueny Morell, InnovaHiEd and B. Ramakrishna, National Academy of Engineers, USA (Fee: Rs. 1,000 for those registered ICTIEE 2019 Hyderabad; Rs. 1500 for those not)	IBM Lab Rm. G01
Jan 6	9:30 am to 1:00 pm	Workshop: "Grand Challenges Scholar Program" (CONTD from previous day) Lueny Morell, InnovaHiEd and B. Ramakrishna, National Academy of Engineers, USA	IBM Lab Rm G01
		Workshop: "Machine Learning: Opportunities in Future" Fee: Rs. 500 for those registered ICTIEE 2019 Hyderabad; Rs. 1000 for those not) Dr. Rao Vemuri, University of California, Davis (USA)	HP Lab Rm G02
		Workshop "Engineering Education Research" (Fee: Rs. 500 for those registered ICTIEE 2019 Hyderabad; Rs. 1000 for those not) Dr. Sohum Sohoni, Arizona, St U, Dr. Prathiba Nagabhushan, Australian Catholic U	Engl Lab 1 Rm 101
	9:30 am to 3:30 pm (incl lunch)	"Designing Assessments for the Introductory Programming Courses" Prof Venkatesh Kamat (Goa University), Dr. Viraj Kumar (IISc Bangalore), Mr. Dhiren Patel, CTO, CodeZinger (Fee: Rs. 1,000 for those registered ICTIEE 2019 at Hyderabad; Rs. 1,500 for those not).	Engl Lab 2 Rm 106A
Jan 7	7:30 am to 9:30 am	Registration	Registration Help Desk
	9:30 am to 11:00 am	Sponsor Workshop: National Instruments (Registered delegates only)	HP Lab Rm G02
		Sponsor Workshop: Dassault Systemes (Registered delegates only)	IBM Lab Rm G01
		Sponsor Workshop: Mathworks (Registered delegates only)	Engl Lab Rm 101
		Sponsor Workshop: IonCudos (Registered delegates only)	Engl Lab 2 Rm 106A
		Sponsor Workshop: EdNex (Registered delegates only)	
	11:00 am to 11:30 am	BREAK	Near Sponsor Stall
	11:30 am to 1:30 pm	Inauguration Ceremony Honorable Shri Ch. Malla Reddy , Chairman, MREC, MLA, Telangana State IUCEE Report: Krishna Vedula , Executive Director, IUCEE Keynote 1: Dr. A. Venugopal Reddy , JNTUH Vice Chancellor Keynote 2: Dr. Hans J. Hoyer , Executive Secretary IFEES, General Secretary GEDC Keynote 3: Dr. Stephanie Farrell , President, ASEE Keynote 4: Dr. Ashok Shettar , VC, KLE Technological University Keynote 5: Dr. Papireddy , Chairman TS Council for Higher Education	Major Auditorium
	1:30 pm to 2:30 pm	LUNCH	Canteen
	2:30 pm to 4:00 pm	DYNAMIC CLUSTER SHARING SESSIONS	
2:30 pm to 3:00 pm	Teaching and Learning Centers (TLC) Chair: Claire Komives, San Jose State University Moderator: Rio D'Souza, St. Joseph Engineering College Mentor: Jayant Sathe, GIAF Collaborator: M. Kaushik, KLE Technological University Collaborator: D. Durairaj, Kalasalingam Academy for Research and Education Collaborator: Nilesh Kalani, RK University Collaborator: Sangeeta Kulkarni, KJ Somaiya College of Engineering	Lect Hall EEE 201	
3:00 pm to	Participants Formulate Questions in Groups	Lect Hall	

3:20 pm		EEE 201
3:20 pm to 4:00 pm	Moderated Discussion Based on Questions	Lect Hall EEE 201
2:30 pm to 3:00 pm	Outcomes Based Education (OBE) Chair: Ashok Saxena, U of Arkansas Moderator: Sushma Kulkarni, Rajarambapu Inst of Technology Mentor: Dilip Chemburkar, GIAF Collaborator: C. Sivapragasam, Kalasalingam Academy for Research and Education Collaborator: Laxmi Lydia, Vignans Institute of Information Technology Collaborator: Suresh Ram, CMR College of Engineering and Technology Collaborator: Syed Abdur Rauf Magrabi, Sphoorthy Engineering College Collaborator: Shreeranga Bhat, St. Joseph Engineering College Collaborator: M.R. Jadhav, Rajarambapu Inst of Technology	Lect Hall MinE 202
3:00 pm to 3:20 pm	Participants Formulate Questions in Groups	Lect Hall MinE 202
3:20 pm to 4:00 pm	Moderated Discussion Based on Questions	Lect Hall MinE 202
2:30 pm to 3:00 pm	Engineering Projects in Community Service (EPICS) Chair: Bill Oakes, Purdue University Moderator: John Tharakan, Howard University Mentor: Ravi Salagame, GIAF Collaborator: Chandrasinh Parmar, Marwadi University Collaborator: Mujahid Irfan, SR Engineering College Collaborator: J. Avanija, Sree Vidyanikethan Engineering College Collaborator: M. Vedachary, CMR College of Engineering and Technology Collaborator: S. Saravana Perumaal, Thiagarajar College of Engineering	Lect Hall CE 203
3:00 pm to 3:20 pm	Participants Formulate Questions in Groups	Lect Hall CE 203
3:20 pm to 4:00 pm	Moderated Discussion Based on Questions	Lect Hall CE 203
2:30 pm to 3:00 pm	IIEECP Certification Program (IIEECP) Chair: S. Farrell, Rowan University Moderator: Veena Kumar, U of Maryland University College Mentor: Anil Pandit, GIAF Collaborator: Rajendrasinh Jadeja, Marwadi University Collaborator: Tuti Sandhya, Sphoorthy Engineering College Collaborator: A. Subba Rao, SR Engineering College Collaborator: Krupa Rani, CMR College of Engineering and Technology	Lect Hall CE 204
3:00 pm to 3:20 pm	Participants Formulate Questions in Groups	Lect Hall CE 204
3:20 pm to 4:00 pm	Moderated Discussion Based on Questions	Lect Hall CE 204
2:30 pm to 3:00 pm	Engineering Education Research (EER) Chair: Sohumi Sohoni, Arizona State University Moderator: Pratibha Nagabhushan, Australian Catholic University Mentor: Javeed Kittur, Arizona State University Collaborator: Thanikachalam Vedhathiri, NITTTR Chennai Collaborator: J. Krishna Chaithanya, Vardhaman College of Engineering College Collaborator: Preethi Baligar, KLE Technological University Collaborator: Rolan Rodriguez, St. Joseph Engineering College Collaborator: D. Sowjanya, CMR College of Engineering and Technology	Lect Hall CE 205

3:00 pm to 3:20 pm	Participants Formulate Questions in Groups	Lect Hall CE 205
3:20 pm to 4:00 pm	Moderated Discussion Based on Questions	Lect Hall CE 205
2:30 pm to 3:00 pm	First Year Engineering Experiences (FYEE) Chair: Neeraj Buch, Michigan State University Moderator: Gopal Joshi, KLE Tech University Mentor: Nishtha Chouhan, GIAF Collaborator: P. Raju, SRKR Engineering College Collaborator: Sanjeev Kavale, KLE Technological University Collaborator: P.V.S.Sivaprasad, NMR Engineering College Collaborator: Arati Phadke, KJ Somaiya College of Engineering Collaborator: P. Gayathri, Sphoorthy Engineering College Collaborator: D. Ajay, CMR College of Engineering and Technology	Lect Hall ECE 206
3:00 pm to 3:20 pm	Participants Formulate Questions in Groups	Lect Hall ECE 206
3:20 pm to 4:00 pm	Moderated Discussion Based on Questions	Lect Hall ECE 206
2:30 pm to 3:00 pm	Entrepreneurship (ENTR) Chair: Ranji Vaidyanathan, Oklahoma State University Moderator: Guru Subramanyam, U of Dayton Mentor: Madhu Atre, GIAF Collaborator: K. Raja Sekhar, KL University Collaborator: Anand Biyani, MLR Institute of Technology Collaborator: C. Padmini, Vardhaman College of Engineering College Collaborator: Suresh Merugu, CMR College of Engineering and Technology Collaborator: K. Sreelatha, Hyderabad Institute for Technology And Management Collaborator: J. Deny, Kalasalingam Academy of Research and Education	Lect Hall ECE 207
3:00 pm to 3:20 pm	Participants Formulate Questions in Groups	Lect Hall ECE 207
3:20 pm to 4:00 pm	Moderated Discussion Based on Questions	Lect Hall ECE 207
2:30 pm to 3:00 pm	Virtual & Remote Labs (VRLAB) Chair: Anil. Kulkarni, Penn State University Moderator: Kalyan Ram, Electronosolutions Mentor: Vijay Kanabar, Boston University Collaborator: R. Venkateswara Reddy, CMR College of Engineering and Technology Collaborator: Swati Mahajan, KJ Somaiya College of Engineering Collaborator: R. Jeya Prakash, Kalasalingam Academy of Research and Education	Lect Hall ECE 208
3:00 pm to 3:20 pm	Participants Formulate Questions in Groups	Lect Hall ECE 208
3:20 pm to 4:00 pm	Moderated Discussion Based on Questions	Lect Hall ECE 208
2:30 pm to 3:00 pm	Grand Challenges Scholar Program (GCSP) Chair: Mohan Rao, Tennessee Tech University Moderator: Lueny Morell, InnovaHiEd Mentor: Beth Powell, Tennessee Tech University Collaborator: M.K. Ravishankar, Malnad College of Engineering Collaborator: Bhagavanulu DVS, Sree Vidyanikethan Engineering College Collaborator: T. Rajesh, CMR College of Engineering and Technology	IBM Lab Rm G01

3:00 pm to 3:20 pm	Participants Formulate Questions in Groups	IBM Lab Rm G01
3:20 pm to 4:00 pm	Moderated Discussion Based on Questions	IBM Lab Rm G01
2:30 pm to 3:00 pm	Industry 4.0 (Ind4.0) Chair: R. Vemuri, UC Davis Co-Chair: Devdas Shetty, University of DC Mentor: Maeve Drummond, Purdue University Collaborator: Sachin Karadgi, KLE Tech University	HP Lab Rm G02
3:00 pm to 3:20 pm	Participants Formulate Questions in Groups	HP Lab Rm G02
3:20 pm to 4:00 pm	Moderated Discussion Based on Questions	HP Lab Rm G02
2:30 pm to 4:00 pm	SPECIAL SESSION: Preparing for Higher Education Abroad (Open to Students interested in going abroad and faculty advisors) Rajkamal Rao, Rao Advisors	Engl Lab 1 Rm 101
4:00 pm to 4:30 pm	BREAK	Near Sponsor Stalls
4:30 pm to 6:30 pm	Contributed Paper Presentations	MREC
4:30 pm to 6:30 pm	Session 1: "Relevant to Entrepreneurship and Industry" Chair: Claire Komives, San Jose State University Co-Chair: Rio D'Souza, St. Joseph Engineering College Facilitator: Nilesh Kalani, RK University Facilitator: M.K. Ravishankar, Malnad College of Engineering <ul style="list-style-type: none"> • Integrating Engineering, Computer Science And Entrepreneurship; Devdas Shetty, University of the District of Columbia, Washington DC • 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 • Social Innovation To Establish Path From Engineering To Entrepreneurship; Nagaraju Thandu, CMR Institute of Technology • Conducting engineering design and product realization course across multidisciplinary domains; Gururaj Fattepur, Basavaraj Kotturshettar, KLE Technological University • Women Entrepreneurship in Digital Era: A Case Study; Srilakshmi Gali, Sphoorthy Engineering College • Contribution To Diverse Engineering Faculty And To The South Asian Regional Development- A Case Study; Thanikachalam Vedhathiri, NITTTR, Chennai • Role Of Heads Of Indian Engineering Colleges In Implementing Digital Technology Based Programs; Thanikachalam Vedhathiri, NITTTR, Chennai • Strategies For Promoting Globally Competitive Engineering Education In India; Thanikachalam Vedhathiri, NITTTR, Chennai • Theme Based Projects: Industry Institute Engagement; Ujwala Patil, Suneeta Budihal, Ramesh Ashok Tabib, Heera Wali, Nalini Iyer; KLE Technological University • Collaborative learning of Institutions – Industry – Society Bringing Success; M.V. Babu Tanneru, Arulanandh T.S.; MLR Institute of Technology • Effective Utilization of Maker Space for Facilitating Product Realization Course; Raghavendra M Shet, Satish Chikkamath, Praveen Kumar; KLE Technological University 	Lect Hall EEE 201

4:30 pm to 6:30 pm	<p>Session 2: “Relevant to Faculty” Chair: , Pratibha Nagabhushan, Australian Catholic University Co-Chair: Dilip Chemburkar, GIAF Facilitator: P.V.S.Sivaprasad, Nalla Malla Reddy Engineering College Facilitator: P. Raju, SRKR Engineering College</p> <ul style="list-style-type: none"> • <i>Innovative Methods In The Evaluation Of Postgraduate Courses;</i> Thanikachalam Vedhathiri, NITTTR, Chennai • <i>Effect On Self-regulated Learning Strategies On Engineering Students;</i> Thanikachalam Vedhathiri, NITTTR, Chennai • <i>Design of cross-disciplinary nanotechnology M. Tech. program for technology and engineering students;</i> Sreenidhi Turuvekere; Asis Sarkar; Nirankar N. Mishra, Vinay Venugopal, Shambhu Shastry, Siddaganga Institute of Technology • <i>Innovations in teaching-learning, evaluation and assessment;</i> Asis Sarkar; Nirankar N. Mishra, Sreenidhi Turuvekere, Vinay Venugopal, Shambhu Shastry; Siddaganga Institute of Technology • <i>Achieving Excellence In Classroom Learning By ARCS Model And Active Learning Strategies;</i> Krishna Janapati Chaithanya; Vardhaman College Of Engineering • <i>Curriculum development of an Engineering PG program at an autonomous institute – A case study;</i> Satyajit Patil, Pankaj S Ghatage; Rajarambapu Institute of Technology, Islampur • <i>A Laboratory Based Approach for CO and PO Attainment for Tier II Institutions;</i> Kumar Swamy Vadla, K.L.E.Institute of Technology, Kiran Malagi, KLE Institute of Technology • <i>An Approach of Project Based Learning in Post Graduate Programme in Engineering;</i> Prashant P Revankar*; Rakesh Tapaskar; Mahesh Gorawar; Rajashekhar Hosmath (KLE Technological University Hubballi) • <i>Enhancing Students Learnings In Mechanics Of Material Course Through Contextual Learning;</i> Roopa A.K., Anand Hunashyal; K.L.E.Institute of Technology • <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>Teaching And Learning Methodologies: Emerging Trends In 21st Century Education;</i> A V KrishnaRao Reddy, Ajay Dasari, G Karthik Reddy; CMR College of Engineering & Technology • <i>The Response of Learning Styles to Teaching Methodologies: A Case Study;</i> Bharadwaj Kasi, Sowjanya Dundhigal, Uma Mahendar Yadav R; CMR College of Engineering & Technology 	Lect Hall MinE 202
4:30 pm to 6:30 pm	<p>Session 3: “Relevant to Faculty” Chair: John Tharakan, Howard University Co-Chair: Ravi Salagame, GIAF Facilitator: J. Krishna Chaithanya, Vardhaman College of Engineering Facilitator: Chandrasinh Parmar, Marwadi University</p> <ul style="list-style-type: none"> • <i>IRSIEC Technique - Integral Revision, In Semester Examination and Evaluation of Content/Course;</i> Ansar A Mulla; Satyajit Patil Rajarambapu Institute of Technology;; Taufiq Mulla ; Ashokrao Mane Group of Institutions, Wathar, Shivaji University Kolhapur, M.S. INDIA) • <i>‘Interlinking Topics’ based Assessment Method for Enhancing Comprehensive Understanding in Students;</i> Sivapragasam Chandrasekaran; Vanitha Sankararajan; Diagu J;Kalasalingam Academy of Research and Education • <i>Modified STAD and its use as an activity based learning and evaluation;</i> Maruti Jadhav , Mahadev Patil; Rajarambapu Institute of Technology • <i>An Initial Classification of Engineering Education Research Papers in India;</i> Javeed Kittur; Arizona State University; Sohun Sohoni; Arizona State University; Preethi Anand Baligar; Gopal Joshi; KLE Technological University, Hubballi 	Lect Hall CE 203

		<ul style="list-style-type: none"> • 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 • 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 • Algorithmic Problem Solving – A Course towards Competitive Programming; Prakash Hegade, Ashok Shettar, Meena M, Satyadhyan Satyadhyan Chickerur; KLE Technological University • BluePrint Pedagogy in Software Engineering and Mini Project; Prakash Hegade, Meena M; Padmashri Desai; KLE Technological University • Learn by Relative Identity Mapping and Recitation [L-RIMR] -A New perspective of Engineering Teaching Methodology for Innovation; Bhuvaneshwary N; Radeep Krishna R; Kalasalingam University • Project Based Learning: An Innovative Approach for Integrating 21st Century Skills; Rajendra V Pawar, Sushma Kulkarni, Sachin K. Patil ; Rajarambapu Institute of Technology, Rajaramnagar • Teaching Methodologies for Generation Z Students; Prakash Hegade; KLE Technological University 	
4:30 pm to 6:30 pm	<p>Session 4: Relevant to Faculty Chair: Veena Kumar, U of Maryland University College Co-Chair: Anil Pandit, GIAF Facilitator: C. Padmini, Vardhaman College of Engineering Facilitator: Anand Biyani, MLR Institute of Technology</p>	<ul style="list-style-type: none"> • The Examination Reforms in line with OBE Philosophy; Umakant Pandurang Kulkarni, Kiran Shindhe, Shrihari Joshi, Indira Umarji; SDM College Of Engineering And Technology • The Impact of Effective Faculty Training Programme on the Pass Percentage of Engineering Students: A Self Assessment; Shankaranand Jha; S R Engineering College, Warangal • Innovative teaching learning methodologies and their assessment in higher education system; Ramaganesh Marimuthu, Rajini Nagaraj; Kalasalingam Academy of Research & Education, S. Rajesh, Kalasalingam Academy of Research & Education • 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 • Course Design Towards Experiential Learning : An Integrated Approach; Suneeta Budihal; Ujwala Patil; Nalini Iyer; KLE Technological University • Problem-based learning: A Case Study of Applying GIS in Natural Resource Management; Yoganandhan Uthayasuriyan, Sivapragasam Chandrasekaran; Kalasalingam Academy Of Research And Education • A Case Study - Effect of Think- Pair- Share in a Large Mathematics Class; Nandini A Rai; K.J.Somaiya College Of Engineering • 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 • 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 	Lect Hall CE 204

		<ul style="list-style-type: none"> • An innovative approach to foster product development in a multidisciplinary environment at sophomore level in engineering; Sanjay S Eligar, Sachin Angadi; KLE Technological University • Impact of Remedial Classes in Engineering Freshmen Course- A Case Study in Course of Engineering Physics; Umamaheswar Singh; Hyderabad Institute of Technology and Management 	
4:30 pm to 6:30 pm	<p>Session 5: "Relevant to Faculty and Students" Chair: Sohumi Sohoni, Arizona State University Co-Chair: Nishtha Chauhan, GIAF Facilitator: Mujahid Irfan, SR Engineering College Facilitator: Avanija J., Sree Vidyanikethan Engineering College</p> <ul style="list-style-type: none"> • 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 • Learning with Canvas LMS; Mukesh K. Gilda, Raghuveer LVS; Sphoorthy Engineering College, Hyderabad • TPS & WPS to motivate Electrical Engineering Students; Syed Abdur Rauf Magrabi; Sphoorthy Engineering College • Effective Learner Centered Teaching Approach with 3S Formula; Meghana Pandita, Rohit, Jyoshna Allenki; Sphoorthy Engineering College • Application of Problem Based Learning for Tender Award Activity of Construction Contract; Amol Sadashiv Thorbole; Rajarambapu Institute of Technology • 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 • Influence of Students' Background on Their Need Identification Capabilities : A Study; Kaushik Mallibhat*; Gopalkrishna Joshi (KLE Technological University) • A Study of Factors Influencing the Problem Solving Skills of Engineering Students; Kaushik Mallibhat (KLE Technological University); Sita Bhadargade*; Gopalkrishna Joshi (KLE Technological University) • Challenges faced by women in engineering education; Harshavardhini Thokala*; Divyasai Peddi; hasitha sri (kk and ksr institute of technology and sciences) • INSTILLING RESEARCH ATTITUDE IN STUDENTS AT MECHANICAL ENGINEERING SCHOOL THROUGH REU APPROACH; Prashant P Revankar*; Nagaraj Banapurmath; Rajashekhar Hosmath; Mahesh Gorwar; Rakesh Tapaskar (KLE Technological University) • 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 	Lect Hall CE 205	
4:30 pm to 6:30 pm	<p>Session 6: "Relevant to Students" Chair: Neeraj Buch, Michigan State University Co-Chair: Gopal Joshi, KLE Tech University Facilitator: A. Subba Rao, SR Engineering College Facilitator: Rajendrasinh Jadeja, Marwadi University</p> <ul style="list-style-type: none"> • Industry Academia Interaction In Engineering Education Through Professional Associations; Thanikachalam Vedhathiri, NITTTTR, 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 • Rubric Design And Grading By Groundbreaking Methods In Continuous Assessment; Muralinath Patimalla; RK University 	Lect Hall ECE 206	

		<ul style="list-style-type: none"> • 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 • Activity Based Realization of Theory Concepts for Novice Learners; Prasanna H Bammigatti, Harshavardhan Naganur; KLEIT, Hubballi • 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 • Novel Pedagogical methods for Effective Learning of Chemistry in Engineering Education; Padmavathi Papolu, VNR Vignana jyothi Institute of Engineering and Technology • 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 • Effective Implementation of Active Learning Methods in Higher Education; Siliveri Swathi, Tuti Sandhya, Yarram Priya; Sphoorthy Engineering College • An engineering curriculum; Shambhu Shastry; Sreenidhi Turuvekere, Nirankar N. Mishra, Asis Sarkar, Siddaganga Institute of Technology. • Bringing 3-D Printing Technology to the Education; Amol Madhukar Kolhe, MIT Academy Of Engineering, Alandi (D), Pune • Classical evaluation method to improve standard setting in engineering courses-A case study; Juliusfusic Sekaran, Thiagarajar College of Engineering • Innovative Methods in Teaching; Dr.Indira Priya darshini (vidya Jyoti Institute of Technology)* • Transformation of Engineering Education from Traditional Teaching to Modern Teaching Methodologies; vamsi K Basava (Malla Reddy Engineering College (A))*; Prasanna kumar (Malla Reddy Engineering College) 	
4:30 pm to 6:30 pm	<p>Session 7: “Relevant to Students” Chair: Guru Subramanyam, U of Dayton Co-Chair: Madhu Atre, GIAF Facilitator: Laxmi Lydia, Vignans Institute of Information Technology Facilitator: D V Surya Chandra Babu, MLR Institute of Technology</p>	<ul style="list-style-type: none"> • INFLUENCE OF FACULTIES ATTITUDE ON SUBJECT INTEREST AND CLASS ENVIRONMENT; RAMARAJAN C (KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION)* • Improving Teaching Learning Process Through TPACK for Electrical Machines Course; Khamruddin Syed; K G Reddy College of Engineering & Technology • The Innovative Methods Of Teaching For The Millennial Engineering Students In India; Varaprasadarao Manda, Godavari Institute Of Engineering & Technology • EPICS Iterative Implementation At HITAM; Hema Pankaj Mahajan ; Azeem Unnisa; Kannaiah Chettu, Subhani Ali; Hyderabad Institute of Technology and Management • Implementation Of Pedagogy For Enhancing The Learning Of Operating System; Hema Pankaj Mahajan, Kannaiah Chettu Subhani Ali, T Anitha Kumari, HITAM, Hyderabad 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 • Entrepreneurship Edification Through Innovative Design Thinking In Indian Educational Scenario; Varaprasadarao Manda, Godavari Institute Of Engineering & Technology • Promoting the Quality of the research in India; Hemalatha J Kalasalingam Academy of Research and Education • Integrated Approach for Teaching and Learning for Electrical Engineering: A Case Study; Akanksha Mishra, Vignan Institute of Engineering for Women 	Lect Hall ECE 207

	<ul style="list-style-type: none"> • 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 • An Innovative Approach for Continual Improvement of CO-PO Attainments ; Rajendra Prasad M; Anu Radha MNL; Vidya Jyothi Institute of Technology • 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 • An innovative approach to improve competency in Data Structures with C; Vijaya S Eligar; KLE Technological University • Use of Self Created Video to Implement the Flipped Classroom Activity for SQL - A Case Study; Sunita M Dol, Walchand Institute of Technology, Solapur 	
4:30 pm to 6:30 pm	<p>Session 8: "Relevant to Students" Chair: Anil Kulkarni, Penn State University Co-Chair: Kalyan Ram, Electronosolutions Facilitator: D. Devaraj, Kalasalingam Academy of Research and Education Facilitator: M. Kaushik, KLE Technological University</p> <ul style="list-style-type: none"> • 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 • 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 • 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 • Finding Solution To Waste Management Through EPICS; Aashish Sharma, Chevuri Naveen Venkat Sai, B Vakula Devi, Y Umamaheshwar, 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 • Indian Engineering Education : The Missing Jigsaw Pieces To Enhance Student Productivity; Hemanth V Potluri, SuVedh Educators • 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 • Problem Based Learning to Get, the Rid of Orthographic Projection in Engineering Graphic Course; Sachin N Savant, Prashant V Gunjavate; Rajarambapu Institute of Technology • An Initiative Towards Analog And Mixed Signal Design-Prakalp; Sujata S Kotabagi; KLE Technological University • Impact Of Service Learning Through Epics For Solving Rural Area Problems ; Kasinadh Bandaru, Srinivas B, Lakshman K; Hyderabad Institute of Technology and Management 	Lect Hall ECE 208
4:30 pm to 6:30 pm	<p>Session 9: "Relevant to Students" Chair: Mohan Rao, Tennessee Tech University Co-Chair: Beth Powell, Tennessee Tech University Facilitator: Sowjanya Dhundigal, CMR College of Engineering and Technology Facilitator: Maruti Jadhav, Rajarambapu Institute of Technology</p>	IBM Lab Rm G01

		<ul style="list-style-type: none"> • 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 • Enhancing Technical Knowledge With Community Based Project ; Praveen Kullu, Ravali Nandula, Aishwarya Gopakumar, Pranay Pusuluru; Hyderabad Institute of Technology and Management • Enhanced Employability-Bridge; Madiraju Sirisha, Mohebbha Naaz, Joseph Rajiv, Divya Nalla; Nalla Malla Reddy 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 • Effect Of Flipped Classroom Active Learning Method On Engineering Students; Structuring research experiences for undergraduates through problems in engineering education; Preethi Anand Baligar, Gopal Joshi; KLE Technological University, Hubballi • A Systematic Approach of Quantitative Aptitude Preparation by using Collaborative Learning Technique - RIT Experience; Ganesh Laxman Suryawanshi; Rajarambapu Institute of Technology, Rajaramnagar • Structuring research experiences for undergraduates through problems in engineering education; Preethi Anand Baligar *; Gopal Joshi (KLE Technological University, hubballi) • 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 Solving A Problem Of Old Age People; S Bhargav, Subhani Ali, Sanchita Sharma, Azeem Unnisa; Hyderabad Institute of Technology and Management • Framework For Employability Through Skill Development: A Collaborative Approach; Saroja V Siddamal; KLE Technological University • Solar Aqua Skimmer – An Innovation In Engineering Project; Alankar Achadian, Nikitha Mandari, Rahil Hussain, Mahesh Dapke; Hyderabad Institute of Technology and Management 	
4:30 pm to 6:30 pm	<p>Session 10: “Relevant to Students” Chair: Vijay Kanabar, Boston University Co-Chair: R. Vemuri, UC Davis Facilitator: Tuti Sandhya, Sphoorthy Engineering College Facilitator: C.Sivapragasam, Kalasalingam Academy for Research and Education</p>	<ul style="list-style-type: none"> • Project Based Learning Implementation for Subject Hydraulics and Pneumatics; Yogesh Sadashiv Patil; Rajarambapu Institute of Technology • 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 • Social Media: A Curse or A Boon for Engineering Education in India; Yogesh Madaria; Malla Reddy Engineering College • 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 • Impact of Teacher’s and Students’ Learning Style on Continuous Learning; Shreeranga Bhat; St Joseph Engineering College 	HP Lab Rm G02

		<ul style="list-style-type: none"> • PBL: A Tool for Enhancing Outcome Based Education; Avinash Shaligram, Miriyala Durga Rao, Binsu Babu, Dhanraj Tambuskar, Pillai College of Engineering, New Panvel • Integrated learning experience through open ended activity in UG Course; Vijaya Kumar, Praveen Kumar; KLE Technolgoical University • 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 • 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 	
	4:30 pm to 6:30 pm	<p>Session 11: "Relevant to Students" Chair: Ranji Vaidyanathan, Oklahoma State University Co-Chair: Rajkamal Rao, Rao Advisors Facilitator: Preethi Baligar, KLE Technological University Facilitator: Sanjeev Kavale, KLE Technological University</p> <ul style="list-style-type: none"> • Integrating Problem-based Learning and Design Thinking approaches for Innovative Learning; Ram Kumar RP, Arun Kumar Kandru, Prabakaran T; Malla Reddy Engineering College (Autonomous) • Overall Development of students through professional chapters in Engineering Institute: A case study; Jayashree S. Sudhir Awati; Rajarambapu Institute of Technology • Interactive Tools to Enhance Teaching-Learning in Signals and Systems Course; Rajanikant Metri, VRSV Bharath Pulavarthi, Chandrakant Bhattar, Srikanth Islavatu; Rajarambapu Institute of Technology • 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 • Influence of Faculty's Attitude on Subject Interest and Class Environment; Ramarajan C; Kalasalingam Academy Of Research And Education • Improvement in Students Performance using Jigsaw Method of Cooperative Learning: A Case Study; Popat Kumbhar; Rajarambapu Institute of Technology • 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 • Peer Learning- A Pedagogy to Enhance Student Learning in Engineering; Kaushik Mallibhat, Manikanta Y Pujar, Gopalkrishna Joshi; KLE Technological University 	Engl Lab 1 Rm 101
	7:30 pm to 10:00 pm	Delegate Dinner	Canteen
Jan 8	9:30 am to 11:00 am	<p>JEET Report: Sushma Kulkarni, Director, Rajarambapu Institute of Technology Sponsor Focus 1: Xavier Fouger, Sr. Dir., Global Acad Programs, Dassault Systemes Keynote 6: Michael Milligan, CEO, ABET Sponsor Focus 2: National Instruments Keynote 7: Bill Oakes, Director, EPICS, Purdue University</p>	Major Auditorium
	11:00 am to 11:30	BREAK	Near Sponsor Stalls

	11:30 am to 1:00 pm	ACADEMIC CLUSTER WORKSHOPS	
	11:30 am to 1:00 pm	Teaching and Learning Centers (TLC) Chair: Jayant Sathe, GIAF Presenter: Claire Komives, San Jose State University Presenter: Rio D'Souza, St. Joseph Engineering College	Lect Hall EEE 201
	11:30 am to 1:00 pm	Outcomes Based Education (OBE) Chair: Sushma Kulkarni, Rajarambapu Inst of Technology Presenter: Ashok Saxena, U of Arkansas Presenter: Michael Milligan, CEO, ABET	Lect Hall MinE 202
	11:30 am to 1:00 pm	Engineering Projects in Community Service (EPICS), Service Learning Chair: Ravi Salagame, GIAF Presenter: Bill Oakes, Purdue University Presenter: John Tharakan, Howard University	Lect Hall CE 203
	11:30 am to 1:00 pm	IIEECP Certification Program (IIEECP) Chair: Anil Pandit, GIAF Presenter: Veena Kumar, U of Maryland University College Presenter: Stephanie Farrell, Rowan University	Lect Hall CE 204
	11:30 am to 1:00 pm	Engineering Education Research (EER) Chair: Javeed Kittur, Arizona State University Presenter: Sohun Sohoni, Arizona State University Presenter: Pratibha Nagabhushan, Australian Catholic University	Lect Hall CE 205
	11:30 am to 1:00 pm	First Year Engineering Experiences (FYEE) Chair: Nishtha Chouhan, GIAF Presenter: Neeraj Buch, Michigan State University Presenter: Gopal Joshi, KLE Tech University	Lect Hall ECE 206
	11:30 am to 1:00 pm	Entrepreneurship (ENTR) Chair: Guru Subramanyam, U of Dayton Presenter: Ranji Vaidyanathan, Oklahoma State University Presenter: Madhu Atre, GIAF Presenter: K. Raja Sekhar, KL University	Lect Hall ECE 207
	11:30 am to 1:00 pm	Virtual & Remote Labs (VRLAB) Chair: Rajkamal Rao, Rao Advisors Presenter: Kalyan Ram, Electronosolutions Presenter: Anil Kulkarni, Penn State University	Lect Hall ECE 208
	11:30 am to 1:00 pm	Grand Challenges Scholar Program (GCSP) Chair: Beth Powell, Tennessee Tech University Presenter: L.ueny Morrell, InnovaHiEd Presenter: Mohan Rao, Tennessee Tech University	IBM Lab Rm G01
	11:30 am to 1:00 pm	Industry 4.0 (Ind4.0) Presenter: Rao Vemuri, UC Davis Presenter: Devdas Shetty, University of DC	HP Lab Rm G02
	11:30 am to 1:00 pm	Six Sigma for Education Chair: Rajkamal Rao, Rao Advisors Presenter: Dilip Chemburkar, GIAF	Engl Lab 1 Rm 101
	11:30 am to 1:00 pm	Project Management Presenter: Vijay Kanabar, Boston University	Engl Lab 2 Rm 106
	1:00 pm to 2:00 pm	LUNCH	Canteen
	2:00 pm to 3:00 pm	Sponsor Focus 3: Mathworks Keynote 8: Ashok Saxena, U of Arkansas Keynote 9: Lueny Morell, InnovaHiEd	Major Auditorium

3:00 pm to 3:30 pm	BREAK	Near Sponsor Stalls
3:30 pm to 4:30 pm	DYNAMIC CLUSTER PLANNING SESSIONS	
3:30 pm to 4:30 pm	Teaching and Learning Centers (TLC) Chair: Claire Komives, San Jose State University Moderator: Rio D'Souza, St. Joseph Engineering College Mentor: Jayant Sathe, GIAF Collaborator: M. Kaushik, KLE Technological University Collaborator: D. Durairaj, Kalasalingam Academy for Research and Education Collaborator: Nilesh Kalani, RK University Collaborator: Sangeeta Kulkarni, KJ Somaiya College of Engineering	Lect Hall EEE 201
3:30 pm to 4:30 pm	Outcomes Based Education (OBE) Chair: Ashok Saxena, U of Arkansas Moderator: S. Kulkarni, Rajarambapu Inst of Technology Mentor: D. Chemburkar, GIAF Collaborator: C. Sivapragasam, Kalasalingam Academy for Research and Education Collaborator: Laxmi Lydia, Vignans Institute of Information Technology Collaborator: Suresh Ram, CMR College of Engineering and Technology Collaborator: Syed Abdur Rauf Magrabi, Sphoorthy Engineering College Collaborator: Shreeranga Bhat, St. Joseph Engineering College Collaborator: M.R. Jadhav, Rajarambapu Inst of Technology	Lect Hall MinE 202
3:30 pm to 4:30 pm	Engineering Projects in Community Service (EPICS) Chair: Bill Oakes, Purdue University Moderator: John Tharakan, Howard University Mentor: Ravi Salagame, GIAF Collaborator: Chandrasinh Parmar, Marwadi University Collaborator: Mujahid Irfan, SR Engineering College Collaborator: J. Avaniya, Sree Vidyanikethan Engineering College Collaborator: M. Vedachary, CMR College of Engineering and Technology Collaborator: S. Saravana Perumaal, Thiagarajar College of Engineering	Lect Hall CE 203
3:30 pm to 4:30 pm	IIEECP Certification Program (IIEECP) Chair: S. Farrell, Rowan University Moderator: Veena Kumar, U of Maryland University College Mentor: Anil Pandit, GIAF Collaborator: Rajendrasinh Jadeja, Marwadi University Collaborator: Tuti Sandhya, Sphoorthy Engineering College Collaborator: A. Subba Rao, SR Engineering College Collaborator: Krupa Rani, CMR College of Engineering and Technology	Lect Hall CE 204
3:30 pm to 4:30 pm	Engineering Education Research (EER) Chair: Sohum Sohoni, Arizona State University Moderator: Pratibha Nagabhushan, Australian Catholic University Mentor: Javed Kittur, Arizona State University Collaborator: Thanikachalam Vedhathiri, NITTTR Chennai Collaborator: J. Krishna Chaithanya, Vardhaman College of Engineering College Collaborator: Preethi Baligar, KLE Technological University Collaborator: Rolen Rodriguez, St. Joseph Engineering College Collaborator: D. Sowjanya, CMR College of Engineering and Technology	Lect Hall CE 205
3:30 pm to 4:30 pm	First Year Engineering Experiences (FYEE) Chair: Neeraj Buch, Michigan State University Moderator: Gopal. Joshi, KLE Tech University	Lect Hall ECE 206

	<p>Mentor: N. Chouhan, GIAF Collaborator: P. Raju, SRKR Engineering College Collaborator: Sanjeev Kavale, KLE Technological University Collaborator: P.V.S.Sivaprasad, NMR Engineering College Collaborator: Arati Phadke, KJ Somaiya College of Engineering Collaborator: P. Gayathri, Sphoorthy Engineering College Collaborator: D. Ajay, CMR College of Engineering and Technology</p>	
3:30 pm to 4:30 pm	<p>Entrepreneurship (ENTR) Chair: R. Vaidyanathan, Oklahoma State University Moderator: G. Subramanyam, U of Dayton Mentor: Madhu Atre, GIAF Collaborator: K. Raja Sekhar, KL University Collaborator: Anand Biyani, MLR Institute of Technology Collaborator: C. Padmini, Vardhaman College of Engineering College Collaborator: Suresh Merugu, CMR College of Engineering and Technology Collaborator: K. Sreelatha, Hyderabad Institute for Technology And Management Collaborator: J. Deny, Kalasalingam Academy of Research and Education</p>	Lect Hall ECE 207
3:30 pm to 4:30 pm	<p>Virtual & Remote Labs (VRLAB) Chair: Anil. Kulkarni, Penn State University Moderator: Kalyan Ram, Electronosolutions Mentor: Vijay Kanabar, Boston University Collaborator: R. Venkateswara Reddy, CMR College of Engineering and Technology Collaborator: Swati Mahajan, KJ Somaiya College of Engineering Collaborator: R. Jeya Prakash, Kalasalingam Academy of Research and Education</p>	Lect Hall ECE 208
3:30 pm to 4:30 pm	<p>Grand Challenges Scholar Program (GCSP) Chair: Mohan Rao, Tennessee Tech University Moderator: Lueny Morrell, InnovaHiEd Mentor: Beth Powell, Tennessee Tech University Collaborator: M.K. Ravishankar, Malnad College of Engineering Collaborator: Bhagavanulu DVS, Sree Vidyanikethan Engineering College Collaborator: T. Rajesh, CMR College of Engineering and Technology</p>	IBM Lab Rm G01
3:30 pm to 4:30 pm	<p>Industry 4.0 (Ind4.0) Chair: R. Vemuri, UC Davis Moderator: Devdas Shetty, University of DC Collaborator: Sachin Karadgi, KLE Tech University</p>	HP Lab Rm G02
4:30 pm to 5:00 pm	<p>Valedictory</p>	Major Auditorium