

PROGRAMME SCHEDULE-BME TRACK

DAY 1 - 28TH APRIL 2023	
8:30 am to 9:30 am	Registration at Main Building, UCE, OU
9.15 am to 10.15 am	Inauguration at Assembly Hall, UCE, OU
10.15 am to 11.00 am	Tea Break
11.00 am to 11.45 am	KEYNOTE ADDRESS - 1 FROM THERMOSTATS TO INTELLIGENT SYSTEMS: MY LIFE IN CONTROL Dr. Kumpati S Narendra Harold W Cheel Professor Emeritus, Engineering, Yale University, USA Venue: Assembly Hall, UCEOU
12.00 pm to 1.00 pm	TECHNICAL PAPER PRESENTATIONS-1 Venue: Seminar Hall, BME Department Session Chairs: Dr. M. Chandrasekhar (<i>Anurag University, Hyderabad</i>), Dr. K.E.CH. Vidyasagar (<i>Osmania University, Hyderabad</i>)
ICETE_BME_1991	Assistive Blood Pressure Monitor for Senile population Muthyala Prem Kumar, Reddymalli Narendra Reddy, S Deekshitha, D Srinath Reddy (<i>BV Raju Institute of Technology, Narsapur</i>)
ICETE_BME_2064	Development of Sophisticated Smart Blind Stick using GSM and GPS Swamy K.C.T, Uday Kumar Boya, Shankar Goud P, Sai Vamshi Y and Akhil Yadav N (<i>G. Pullaiah College of Engineering and Technology, Kurnool</i>)
ICETE_BME_3095	Voice Enabled Pulse Oximeter Dr. H. Sujana, Chekkala Meghana, Kelavath Rushi Naik, M. Arvind (<i>BV Raju Institute of Technology, Narsapur</i>)
ICETE_BME_4435	Design and Develop an IPG System Without Using an Occlusive Cuff to detect Deep Vein Thrombosis Kaparathi Uday (<i>CVR College of Engineering, Hyderabad</i>), Prof. M. Malini (<i>Osmania University, Hyderabad</i>), Dr. Harikrishna Mulam (<i>VNR VJIET, Hyderabad</i>)
1:00 pm to 2:00 pm	Lunch Break
2.00 pm to 2.45 pm	TECHNICAL PAPER PRESENTATIONS-2 Venue: Seminar Hall, BME Department Session Chairs: Dr. H. Sujana (<i>BVRIT, Narsapur</i>), Er. G. Shrivanya (<i>Osmania University, Hyderabad</i>)
ICETE_BME_9832	The Virtual Keyboard is accessible Using Wireless EEG Device for Patient's with Paralysis Dr. Sravanth Kumar Ramakuri, Dr. Mukesh Prasad (<i>University of Technology, Sydney, Australia</i>), Mithileysh Sathiyarayanan (<i>Scientist, United Kingdom</i>)
ICETE_BME_9117	BCI based home automation system by using SSVEP Signals D.Suman, Pavani Thadem, Srivoju Vaishnavi, Chilumula Dharani (<i>Osmania University, Hyderabad</i>), Zurian Ketema (<i>UNICEF, Jamaica, USA</i>)
ICETE_BME_3422	Electrooculogram Based Wheelchair Control in Real-Time Dr. Harikrishna Mulam (<i>VNR VJIET, Hyderabad</i>), Dr. Malini Mudigonda (<i>Osmania University, Hyderabad</i>), Dr. Santosh Kumar B P (<i>YSR Engineering College, Proddutur, Andhra Pradesh</i>) and Dr. Harish Kuchulakanti(<i>Osmania University, Hyderabad</i>)
2.45 pm to 3.30 pm	INVITED TALK -1 RADIOLOGY: INSIGHTS FROM INSIDE Dr. Uday Krishnamurthy, Scientist, R&D-Collaboration Team for MRI at Siemens Healthineers in North America Venue: Seminar Hall, BME Department

3.30 pm to 3.45 pm	Tea Break
3:45 pm to 4.30 pm	<p style="text-align: center;">INVITED TALK- 2</p> <p style="text-align: center;">QUALITY BY DESIGN: HOW SYSTEMS ENGINEERING AND LIFECYCLE MANAGEMENT ENSURE EXCELLENCE IN MEDICAL DEVICE INNOVATION</p> <p style="text-align: center;">Dr Sudesh Sivarasu, Ph. D,</p> <p style="text-align: center;">Professor & Director - BME Research Centre, Head - UCT Medtech, Division of BME, Department of Human Biology, University of Cape Town, South Africa</p> <p style="text-align: center;">Venue: Seminar Hall, BME Department</p>
4.30 pm to 5.45 pm	<p style="text-align: center;">TECHNICAL PAPER PRESENTATIONS-3</p> <p style="text-align: right;">Venue: Seminar Hall, BME Department</p> <p>Session Chairs: Dr. M. Harikrishna (<i>VNRVJIET, Hyderabad</i>), Er. Kiran Kore (<i>Osmania University, Hyderabad</i>)</p>
ICETE_BME_1259	<p>Pulmonary Sound Analysis with Deep Learning for Efficient Respiratory Disease Categorization</p> <p>V. Ricky Deeven, V. Naveen Kumar, Y. Padma Sai, N. Akshitha, M. Kaivalya (<i>VNR VJIET, Hyderabad</i>)</p>
ICETE_BME_2158	<p>Rule Based Classifier for the detection of Autism in children</p> <p>K Kusumalatha (<i>Sreenidhi Institute of Science and Technology, Hyderabad</i>), Y Ramadevi (<i>Chaitanya Bharathi Institute of Technology, Hyderabad</i>)</p>
ICETE_BME_7735	<p>Heart Disease Prediction with Ensemble Learning Technique</p> <p>Dr. R. Santosh, B M Tripathi (<i>Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada</i>), A. Sreenivasa Rao (<i>Annamacharya institute of technology and sciences, Hyderabad</i>), Y. Satwik (<i>CVR College of Engineering, Hyderabad</i>)</p>
ICETE_BME_7930	<p>Impact of Various Data Splitting Ratios on the Performance of Machine Learning Models in the Classification of Lung Cancer</p> <p>Archana Nazarkar (<i>BV Raju Institute of Technology, Narsapur</i>), Dr. Harish Kuchulakanti, Dr. Chandra Sekhar Paidimarry, Sravya Kulkarni (<i>Osmania University, Hyderabad</i>)</p>
ICETE_BME_9204	<p>An Extensive survey on Various Tumor Detection in Histopathological Images using Deep Learning Techniques</p> <p>Monika Subramanian, Nagarajan Ganesan (<i>Puducherry Technological University, Puducherry</i>), Sathish kumar Balasubramaniyan (<i>AVC College of Engineering, Tamil Nadu</i>)</p>

DAY 2 - 29TH APRIL 2023	
8:30 am to 9:30 am	Registration at Main Building, UCE, OU
9:30 am to 10.15 am	<p style="text-align: center;">KEYNOTE ADDRESS - 2</p> <p style="text-align: center;">THE FUTURE WITH GENERATIVE AI</p> <p style="text-align: center;">Er. Veena Gundavelli</p> <p style="text-align: center;">Founder & CEO, Emagia, USA</p> <p style="text-align: center;">Venue: Assembly Hall, UCEOU</p>
10.15 am to 11.00 am	<p style="text-align: center;">KEYNOTE ADDRESS - 3</p> <p style="text-align: center;">PRIVACY AND SECURITY ISSUES IN SPEECH PROCESSING</p> <p style="text-align: center;">Dr. Bhiksha Raj</p> <p style="text-align: center;">School of Computer Science, Carnegie Mellon University, Pittsburgh, Pennsylvania, USA & Mohamed bin Zayed University of Artificial Intelligence, Masdar City, Abu Dhabi</p> <p style="text-align: center;">Venue: Assembly Hall, UCEOU</p>
11.00 am to 11.30 am	Tea Break
11.30 am to 12.15 pm	<p style="text-align: center;">INVITED TALK -3</p> <p style="text-align: center;">ADVANCEMENTS IN WEARABLE MEDICAL ELECTRONICS</p> <p style="text-align: center;">Er. P. Raja Reddy</p>

Senior Design Engineer, Texas Instruments, Bangalore, India

Venue: Seminar Hall, BME Department

TECHNICAL PAPER PRESENTATIONS- 4

12.15 pm to 1.00 pm

Venue: Seminar Hall, BME Department

Session Chairs: Er. M. Venkateswara Rao (*Osmania University, Hyderabad*),

Er. M. Srinivas (*Osmania University, Hyderabad*)

ICETE_BME_926

Smart Glove for Tremor Detection

Srilatha Reddy Ambati, Shaja Khan, Ravali Peketi, Vara Prasad Kasukurthi (*B V Raju Instititue of Technology, Narsapur*)

ICETE_BME_2568

A Review of Brain MRI Image Enhancement Techniques

Raghu Amgothu (*Osmania University, Hyderabad*)

ICETE_BME_2792

Ganitha Sahaya- Math Tool for Special Education

Dr. H. Sujana, Rohith Sirpa, Pandurang Mirajkar (*BV Raju Institute of Technology, Narsapur*)

1:00 pm to 2:00 pm

Lunch Break

TECHNICAL PAPER PRESENTATIONS- 5

2.00 pm to 2.45 pm

Venue: Seminar Hall, BME Department

Session Chairs: Er. M. Venkateswara Rao (*Osmania University, Hyderabad*),

Er. B. Gayathri (*Osmania University, Hyderabad*)

ICETE_BME_5751

Unique Contactless Device to Detect Veins and Heart Rate

Chapala Sara Grace, M. Sreeja, M. Deepika (*Osmania University, Hyderabad*), Dr. Harikrishna Mulam (*VNR VJIT, Hyderabad*), Dr. Harish Kuchulakanti (*Osmania University, Hyderabad*)

ICETE_BME_8697

Estimation of HSP70 in SiHa cell lines during chemoradiation and radiation

B. Sai Lalitha, Dr. Mudigonda Malini (*Osmania University, Hyderabad*)

ICETE_BME_9238

A monopole resonator employing a monostatic radar approach to detect strokes in the brain

Rizwan Shaik, V Phani Kumar Kanaparathi, Sandeep Kumar P (*SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu*)

2.45 pm to 3.30 pm

INVITED TALK -4

IMAGING (MR) IN BREAST CANCER AND EMERGING TRENDS

Dr. Jaladhar Neelavalli

Senior Clinical Scientist, Health Systems, Philips India Ltd., Bangalore, India

Venue: Seminar Hall, BME Department

3.30 pm to 3.45 pm

Tea Break

3:45 pm to 4.30 pm

INVITED TALK- 5

THIN-FILM ENCAPSULATIONS FOR COMPLIANT IMPLANTABLE BIOELECTRONICS: ADVANCED MATERIALS AND RELIABILITY

Dr. Massimo Mariello

Ècole Polytechnique Fèdèrale de Lausanne, Switzerland

Venue: Seminar Hall, BME Department

TECHNICAL PAPER PRESENTATIONS - 6

4.30 pm to 5.30 pm

Venue: Seminar Hall, BME Department

Session Chair: Dr. D. Suman (*Osmania University, Hyderabad*),

Dr. K. Harish (*Osmania University, Hyderabad*)

ICETE_BME_862

Development of a Pheromone Based Smart Mosquito Trap

Sayed Sefat, Archi Alam Shefa (*Military Institute of Science and Technology, Dhaka*), Saif Ahmed Quarishi (*Tool & Technology Institute, Bangladesh Industrial Technical Assistance Center, Dhaka*), Sharif Neaz (*Department of Chemistry, Dhaka Commerce College, Dhaka*) and Md. Ashrafuzzaman (*Military Institute of Science and Technology, Dhaka, Bangladesh*)

ICETE_BME_5997

Result-Based Re-computation for Chronic Kidney Disease Prediction using SVM Classification

	P. Suresh Babu, C. Madhuvarshni, P.V. Jeyasree, L.S.S. Jeyaroshini, P. Deivendran (<i>Velammal college of Engineering and Technology, Madurai</i>)
ICETE_BME_7273	Effect of Changes in Skin Conductance, Heart Activity and Temperature for Detecting Binary Pain by Analyzing Nociceptive Stimulation Tasnuba Tabassum Mourin, Rayesa Haque Rupanti, Nawrin Tasnim (<i>Military Institute of Science and Technology, Dhaka</i>), Saif Ahmed Quarishi (<i>Tool & Technology Institute, Bangladesh Industrial Technical Assistance Center, Dhaka</i>), Akid Arnob, Md. Ashrafuzzaman (<i>Military Institute of Science and Technology, Dhaka, Bangladesh</i>)
ICETE_BME_3400	Smart Fitness Suit Ayyamgari Sandhya, Kavali Saiteja, Gundam Bharadwaja Reddy, Pargi Akshitha (<i>BV Raju Institute of Technology, Narsapur</i>)

DAY 3 -30TH APRIL 2023	
8:30 am to 9:30 am	Registration at Main Building, UCE, OU
9.30 am to 10.15 am	KEYNOTE ADDRESS - 4 LEVERAGING IOT TO ENHANCE WATER USE EFFICIENCY IN AGRICULTURE Dr Srinivasulu Ale Texas A&M University AgriLife Research Center, Vernon, USA Venue: Assembly Hall, UCEOU
10.15 am to 11.00 am	KEYNOTE ADDRESS – 5 CUSTOM MEDICAL DEVICE DESIGN IN HEALTHCARE & MEDICINE Prof. Dominic Eggbeer Prof. of Healthcare Applications of Design Cardiff Metropolitan University, Cardiff, UK Venue: Assembly Hall, UCEOU
11.00 am to 11.30 am	Tea Break
1:00 pm to 2:00 pm	Lunch Break

PROGRAMME SCHEDULE- CSE TRACK

DAY 1 - 28TH APRIL 2023

8:30 am to 9:30 am	Registration at Main Building, UCE, OU
9.15 am to 10.15 am	Inauguration at Assembly Hall, UCE, OU
10.15 am to 11.00 am	Tea Break
11.00 am to 11.45 am	KEYNOTE ADDRESS - 1 FROM THERMOSTATS TO INTELLIGENT SYSTEMS: MY LIFE IN CONTROL Dr. Kumpati S Narendra Harold W Cheel Professor Emeritus, Engineering, Yale University, USA Venue: Assembly Hall, UCEOU
TECHNICAL PAPER PRESENTATIONS-1 Venue: Seminar Hall, CSE Department Session Chairs: Prof.K.P.Supreethi (<i>JNTU, Hyderabad</i>), Er.V.Sukanya (<i>Osmania University, Hyderabad</i>)	
ICETE_CSE_3672	Design and analysis of CNN-based skin disease detection system with preliminary diagnosis C.S.Bhanu Teja, N.Sai Charan Reddy, N.Hima Chandra Sekhar Rao (<i>B V Raju Institute of Technology, Hyderabad</i>)
ICETE_CSE_7793	Heart Disease Detection and prediction using ML Algorithms in Python Ramesh Voruganti, M.Swamy Das, B.Nageshwar Rao (<i>Osmania University, Hyderabad</i>)
ICETE_CSE_9020	Classification and Separation of Images Received in File Sharing Applications using Machine Learning Sai Akhil Podduturi, Koripelli Kartheesh Reddy(<i>Chaitanya Bharathi Institute of Technology, Hyd</i>)
ICETE_CSE_1933	Towards Security Enhancement for NFV based IoT Network using Machine Learning Sandeep Gite, Dr. Smita Kasar (<i>Maharashtra Institute of Technology, Aurangabad</i>)
1:00 pm to 2:00 pm	Lunch Break
2.45 pm to 3.30 pm	INVITED TALK -1 ASHTANG AI Dr. Shailesh Kumar, Chief Data Scientist, CoE AI/ML, JIO Venue: Seminar Hall CSE Department
3.30 pm to 3.45 pm	Tea Break
3:45 pm to 4.30 pm	INVITED TALK- 2 TECHNOLOGY FOR SOCIAL GOOD Er. Rama Devi Lanka , Director-Emerging Technologies, Officer on Special Duty (OSD) ITE&C Department, Government of Telangana Venue: Seminar Hall CSE Department
TECHNICAL PAPER PRESENTATIONS-2 Venue: Seminar Hall, CSE Department Session Chairs: Prof. Polaiiah (<i>IARE, Hyderabad</i>), Dr.M.A.Hameed (<i>Osmania University, Hyderabad</i>)	
ICETE_CSE_3927	A Convolution Kernel Implemented By VIVADO HLS Rama Rao Chekuri, A.Srivani,V. Deepak Sai, P.Venkat Reddy, R.Rohith Goud (<i>B V Raju Institute Of Technology</i>)
ICETE_CSE_448	O2S-SKE: Encoder-Decoder Model For Suggestion KeyphraseExtraction Naveen Kumar Laskari, SureshKumar Sanampudi (<i>Jawaharlal Nehru Technological University, Hyd</i>)
ICETE_CSE_7265	Handling Infeasibility in Particle Swarm Optimization using Constraint Programming Robin Ajmera, Akansha Kumar, Sai Krishna Jayakumar (<i>Jio Platforms Ltd.</i>)
ICETE_CSE_1887	Bitcoin Price Prediction Using Machine Learning Algorithms Balaga Sai Raju, Nagamani Pedapati, G Jaya Anand, S Ganga prasanna, MHSV Siva Satish(<i>Godavari Institute of Engineering & Technology</i>)

DAY 2 - 29TH APRIL 2023	
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9.30 am to 10.15 am	<p>KEYNOTE ADDRESS - 2</p> <p>THE FUTURE WITH GENERATIVE AI</p> <p>Er. Veena Gundavelli Founder & CEO, Emagia, USA Venue: Assembly Hall, UCEOU</p>
10.15 am to 11.00 am	<p>KEYNOTE ADDRESS - 3</p> <p>PRIVACY AND SECURITY ISSUES IN SPEECH PROCESSING</p> <p>Dr. Bhiksha Raj School of Computer Science, Carnegie Mellon University, Pittsburgh, Pennsylvania, USA & Mohamed bin Zayed University of Artificial Intelligence, Masdar City, Abu Dhabi Venue: Assembly Hall, UCEOU</p>
11.00 am to 11.30 am	Tea Break
TECHNICAL PAPER PRESENTATIONS - 3	
11.30 am to 1.00 pm	Venue: Seminar Hall, CSE Department
Session Chairs: Er. T. Shruthi (<i>Sr. SE Amazon, Hyderabad</i>), Dr. L.K. Suresh Kumar (<i>Osmania University, Hyderabad</i>)	
ICETE_CSE_7833	<p>A Deep Reinforcement Learning Based Framework for Task Scheduling for Enhancing Efficiency in Cloud Computing</p> <p>Dr Imtiyaz Khan (<i>Muffakham Jah College of Engineering and Technology, Hyderabad</i>)</p>
ICETE_CSE_2299	<p>Machine Learning-based Payload Allocation in a Service Provided Area to maximize the efficiency of the Network</p> <p>B Suresh, K L V Sai Prakash Sakuru (<i>National Institute of Technology Warangal</i>)</p>
ICETE_CSE_2865	<p>Workflow Scheduling Algorithm for Budget Constraint Green Cloud Computing</p> <p>Medara Rambabu (<i>Gandhi Institute of Technology and Management (GITAM)</i>)</p>
ICETE_CSE_1115	<p>Server-Based Universal Bank Chatbot</p> <p>Paras Palli, Siddharth Bhorge, Sourabh Landage, Akshay Parase, Ritik Nawale(<i>Vishwakarma Institute of Technology, Pune</i>)</p>
1:00 pm to 2:00 pm	Lunch Break
2.45 pm to 3.30 pm	<p>INVITED TALK -3</p> <p>ACCELERATING TOWARDS SUSTAINABLE AI FRAMEWORK</p> <p>Dr. Satyajit Das Assistant Professor , Data Science, Computer Science and Engineering Indian Institute of Technology (IIT), Palakkad Venue: Seminar Hall CSE Department</p>
3.30 pm to 3.45 pm	Tea Break
3:45 pm to 4.30 pm	<p>INVITED TALK- 4</p> <p>CLOUD COMPUTING - AN ENTERPRISE PERSPECTIVE</p> <p>Er. Shankar Kambhapaty Distinguished Architect & Chief Technology Officer for Zurich Account at DXC Technology. Venue: Seminar Hall CSE Department</p>
TECHNICAL PAPER PRESENTATIONS - 4	
4.30 pm to 5.30 pm	Venue: Seminar Hall, CSE Department
Session Chairs: Dr. P. Syam Kumar (<i>IDRBT, Hyderabad</i>), Dr. B.Sujata (<i>Osmania University, Hyderabad</i>)	
ICETE_CSE_1218	<p>Assessing the Effectiveness of an Automatic Controller for the Fertilization Application on Agriculture Drones</p> <p>Polaiah Bojja, Pamula Raja Kumari, Jaladi Rajendra Kumar(<i>Institute of Aeronautical Engg, Hyd</i>)</p>

ICETE_CSE_9555	Content Based Recommendation System on Movies Animesh Kumar Singh, Phani Kumar, Sai Neha Arepu, Manideep Sarvasuddi, Erragatla Gowtham and Yalamanchili Sanjana (<i>Godavari Institute of Engineering & Technology (A)</i>)
ICETE_CSE_3774	Prediction of DSE Stock Price Direction with Trading Indicators using ML Techniques Samia Rahman Misty (<i>Ahsanullah University of Science and Technology, Bangladesh</i>)
ICETE_CSE_9697	Vision-Based Posture Detection for Rehabilitation Program Dyuti Bobby, Sudhir Gaikwad, Shripad Bhatlawande, Atharva Dusane, Krushna Durole and Swati Shilaskar (<i>Vishwakarma Institute of Technology, Pune</i>)

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9.30 am to 10.15 am	KEYNOTE ADDRESS - 4 LEVERAGING IOT TO ENHANCE WATER USE EFFICIENCY IN AGRICULTURE Dr Srinivasulu Ale Texas A&M University AgriLife Research Center, Vernon, USA Venue: Assembly Hall, UCEOU
10.15 am to 11.00 am	KEYNOTE ADDRESS – 5 CUSTOM MEDICAL DEVICE DESIGN IN HEALTHCARE & MEDICINE Prof. Dominic Eggbeer Prof. of Healthcare Applications of Design Cardiff Metropolitan University, Cardiff, UK Venue: Assembly Hall, UCEOU
11.00 am to 11.30 am	Tea Break
TECHNICAL PAPER PRESENTATIONS - 5	
11.30 am to 12.30 pm	Venue: Seminar Hall, CSE Department Session Chairs: Prof. Salman Abdul Moiz (<i>UoH, Hyderabad</i>), Prof.P.V.Sudha (<i>Osmania University, Hyderabad</i>)
ICETE_CSE_5335	A Neural Network Solution for Collaborative Sentiment Analysis Ravikumar Thallapalli, Dr.Narsimha Gugulothu (<i>Osmania University, Hyderabad,Telangana,India</i>)
ICETE_CSE_836	An Exploration of State of Art Approaches on Machine Learning based Energy-Efficient Routing Approaches for Wireless Sensor Networks Gummarekula Sattibabu, Nagarajan Ganesan, Vankayala Chethan Prakash (<i>Puducherry Technological University, Puducherry.</i>)
ICETE_CSE_3407	Decentralized Smart Contract Certificate System using Ethereum Blockchain Technology Dr. Raghavender Kotla Venkata, Alankruthi Saieni, Akhila Athinarapu, Preethi Thummanapalli , Ashritha Mothukuri (<i>G.Narayanamma Institute of Technology and Science(For Women)</i>)
ICETE_CSE_8379	Performance Prediction of Cricket Player Using Blockchain Enabled HMM Model Regula Harshavardhan, Sandeep Kalakota, Sai Radha Krishna G (<i>Rajiv Gandhi University of Knowledge Technologies, Basar</i>)
1:00 pm to 2:00 pm	Lunch Break

PROGRAMME SCHEDULE- EE TRACK

DAY 1 - 28TH APRIL 2023

8:30 am to 9:30 am	Registration at Main Building, UCE, OU
9.15 am to 10.15 am	Inauguration at Assembly Hall, UCE, OU
10.15 am to 11.00 am	Tea Break
11.00 am to 11.45 am	KEYNOTE ADDRESS – 1 FROM THERMOSTATS TO INTELLIGENT SYSTEMS: MY LIFE IN CONTROL Dr. Kumpati S Narendra Harold W Cheel Professor Emeritus, Engineering, Yale University, USA Venue: Assembly Hall, UCEOU
12.00 pm to 1.00 pm	TECHNICAL PAPER PRESENTATIONS-1 Venue: e-Class Room, Electrical Engineering Department Session Chairs: Dr. N. Srilatha (<i>Osmania University, Hyderabad</i>), Dr. J. Upendar (<i>Osmania University, Hyderabad</i>)
ICETE_EE_1275	Battery Supported Solar PV Panel based Multilevel Inverter with Optimal PI Controller using Hybrid GAPSO Algorithm Srinivas Thota, Krishna Veni K and Satish Kumar Peddapelli(<i>Osmania University, Hyderabad</i>)
ICETE_EE_3345	Biogeography Based Optimization for enhancing dynamic performance of Dynamic Voltage Restorer in mitigating Power Quality Problems S Asha Kiranmai and A Jaya Laxmi (<i>Osmania University, Hyderabad</i>)
ICETE_EE_5723	Solar PV fed based Shunt APF for Power Quality Enhancement of DG-Grid System Using Fuzzy Logic Controller Jyothi Nemmadi and Prof. .M Manjula (<i>Osmania University, Hyderabad</i>)
ICETE_EE_9501	Pulse Frequency Modulation for Pulsed Power Applications Krishna Kumari.N, Naga Swetha.B, Kumar Reddy, Sai Naga Aasrith Madireddy, Kondabala Namratha, C.Pramodh and Thumma Bala Manish Reddy(<i>VNRVJIET,Hyderabad</i>)
1:00 pm to 2:00 pm	Lunch Break
2.00 pm to 2.45 pm	INVITED TALK -1 EMERGING TECHNOLOGIES IN POWER CABLE TRANSMISSION Prof. C.C. Reddy Indian Institute of Technology, Ropar, Punjab, India Venue: e-Class Room, Electrical Engineering Department
2.45 pm to 3.30 pm	INVITED TALK -2 NEW TRENDS IN SCADA SYSTEM TO REDUCE POWER MANAGEMENT CHALLENGES Er. Kamesh A SCADA, TSSPDCL, Hyderabad Venue: e-Class Room, Electrical Engineering Department
3.30 pm to 3.45 pm	Tea Break
3:45 pm to 4.30 pm	INVITED TALK- 3 BEYOND CENTRALIZED CONTROL: EXPLORING THE PROMISE OF CONSENSUS-BASED TECHNIQUES Dr. Onur Cihan Maramara University, Istanbul, Turkey Venue: e-Class Room, Electrical Engineering Department
4.30 pm to 5.30 pm	TECHNICAL PAPER PRESENTATIONS-2 Venue: e-Class Room, Electrical Engineering Department Session Chairs: Dr. N. Susheela(<i>Osmania University, Hyderabad</i>), Dr. E. Sreesobha(<i>Osmania University, Hyderabad</i>)

ICETE_EE_6461	Modeling of Multi Gate MOSFET with reduced Short length Channel Effects for High Power Applications Nagalakshmi Yarlagadda, Yogesh Kumar Verma and R. Santosh (<i>Lovely Professional University, Punjab</i>)
ICETE_EE_4002	Voltage Regulation and Power Loss Reduction in DN with DG when load changes using MOSMA Vijender Reddy Simarla and Prof. .M Manjula (<i>Osmania University, Hyderabad</i>)
ICETE_EE_3454	Optimal Allocation and Sizing of Distributed Generation in Radial Distributed System using Ant Colony Search Algorithm Dr.G.V.Naga Lakshmi and Mr.M. Shiva Kumar (<i>Osmania University, Hyderabad</i>)
ICETE_EE_7178	Effect on Synchronous Generators due to Intermittency of Solar Power in a PV-Grid Integrated Power System Jayaprakash Allemshetty and Prof. Bhukya Mangu (<i>Osmania University, Hyderabad</i>)

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11.00 am to 11.30 am	Tea Break
11.30 am to 12.15 pm	INVITED TALK -4 DECARBONIZATION OF INDIA'S ENERGY SECTOR Er. Pavan Kumar Pillalamarri GE Gas Power, Part of GE Vernova, India Venue: e-Class Room, Electrical Engineering Department
12.15 pm to 1.00 pm	TECHNICAL PAPER PRESENTATIONS – 3 Venue: e-Class Room, Electrical Engineering Department Session Chairs: Prof. B. Mangu (<i>Osmania University, Hyderabad</i>), Dr. R. Lingaswamy(<i>Osmania University, Hyderabad</i>)
ICETE_EE_4050	Integration of Renewable Energy Resources to EV Using Sensorless Control and Regenerative Braking Indira Damarla, Aare Anand, T. Thanmai Reethika and H. Sai Niharika (<i>VR Siddhartha Engineering College, Vijayawada</i>)
ICETE_EE_2267	Continuous Current Test on MV Switchgear and Control gear - An Assessment in Respect of Contacts and Connections Somala Arjuna Rao, Rakesh K.G and Girija G (<i>CPRI, Bangolore</i>)
ICETE_EE_2408	Soft Switching DC-DC Converter using PI Controller for Low and Medium Power Applications Dr.N.KrishnaKumari, SK. Nagulmeera, K.KushwanthShivaram, D.Padmapriya, S.Pranitha and B.NagaSwetha (<i>VNRVJIET,Hyderabad</i>)

ICETE_EE_5272	Sensorless Current Prediction of a Three-Phase Inverter Using Machine Learning Algorithms G Madhu Murali Siran and Dr K Naga Sujatha (<i>JNTUH, Hyderabad</i>)
1:00 pm to 2:00 pm	Lunch Break
2.00 pm to 2.45 pm	INVITED TALK -5 EMERGING TRENDS IN RENEWABLE ENERGY (RE) AND GRID INTEGRATION CHALLENGES Er. Shiva M Kumar Regulatory and Business Development, Greenko Energies Private Limited, India Venue: e-Class Room, Electrical Engineering Department
2.45 pm to 3.30 pm	INVITED TALK -6 HYDROGEN ENERGY FOR TRANSPORTATION TECHNOLOGIES: OPPORTUNITIES AND CHALLENGES IN INDIA Dr. Akshay Kumar Singapore Singapore Institute of Technology, Singapore Venue: e-Class Room, Electrical Engineering Department
3.30 pm to 3.45 pm	Tea Break
3:45 pm to 4.30 pm	INVITED TALK- 7 OVERVIEW OF TRANSMISSION CAPACITY IN TELANGANA AND EMERGING TECHNOLOGIES UTILIZATION Er. T. Jagath Reddy TSTRANSCO, Hyderabad, India Venue: e-Class Room, Electrical Engineering Department
4.30 pm to 5.45 pm Session Chairs: Prof. G Malleshham(<i>Osmania University, Hyderabad</i>), Dr. B. Sirisha(<i>Osmania University, Hyderabad</i>)	TECHNICAL PAPER PRESENTATIONS – 4 Venue: e-Class Room, Electrical Engineering Department
ICETE_EE_9784	Harmonics Reduction and Balanced Transition in Hybrid Renewable Energy Sources Gyadari Balram and Peddapelli Satish Kumar (<i>Osmania University, Hyderabad</i>)
ICETE_EE_6649	Control of Quasi Z-Source Converter in a Microgrid Using Modified Power Ratio P&O MPPT Ch Sreenu, G Malleshham and T Chandra Shekar (<i>Osmania University, Hyderabad</i>)
ICETE_EE_1347	Performance of Fuel cell and PV integrated hybrid DC/AC microgrid based on the Grey Wolf optimization algorithm Pradeep Mogilicharla and Dr. Sirisha B (<i>Osmania University, Hyderabad</i>)
ICETE_EE_2109	High Gain DC-DC Converter fed Six-Step Inverter based BLDC Motor Konda Naresh, D. Suresh, S and Patnaik (<i>National Institute of Technology, Raipur</i>)

DAY 3 - 30TH APRIL 2023	
8:30 am to 9:30 am	Registration at Main Building, UCE, OU
9.30 am to 10.15 am	KEYNOTE ADDRESS – 4 LEVERAGING IOT TO ENHANCE WATER USE EFFICIENCY IN AGRICULTURE Dr Srinivasulu Ale Texas A&M University AgriLife Research Center, Vernon, USA Venue: Assembly Hall, UCEOU
10.15 am to 11.00 am	KEYNOTE ADDRESS – 5 CUSTOM MEDICAL DEVICE DESIGN IN HEALTHCARE & MEDICINE Prof. Dominic Eggbeer

	Prof. of Healthcare Applications of Design Cardiff Metropolitan University, Cardiff, UK Venue: Assembly Hall, UCEOU
11.00 am to 11.30 am	Tea Break
11.30 am to 1.00 pm	TECHNICAL PAPER PRESENTATIONS-5 Venue: e-Class Room, Electrical Engineering Department Session Chairs: Dr. M.V Ramana Rao(<i>Osmania University, Hyderabad</i>), Dr. G.V Naga Lakshmi(<i>Osmania University, Hyderabad</i>)
ICETE_EE_3288	Optimized Analytical Crone controller for Electric Vehicle System C. Srisailam and Prof. M.Manjula (<i>Osmania University, Hyderabad</i>)
ICETE_EE_1250	Efficiency Optimization and Power Quality Enhancement in Power Conversion Systems with SEPIC and PI Control Design Konda Raju, R Durga Rao, G Shiva Pranathi and K Sanjana (JNTUH, Manthani)
ICETE_EE_9424	Speed Control of BLDC Motor Using Switched Capacitor Based DC-DC Converter. Sunil Kumar Sahare and D Suresh (<i>National Institute of Technology, Raipur</i>)
ICETE_EE_1799	A Multi degree of freedom based Hybrid Fractional order Controllers for Load Frequency Control in Hybrid Systems Todeti Dinesh and Prof. M Manjula (<i>Osmania University, Hyderabad</i>)
ICETE_EE_2530	Active neutral point clamped inverter based grid connected active power filter D. Suresh (<i>National Institute of Technology, Raipur</i>)
1:00 pm to 2:00 pm	Lunch Break

PROGRAMME SCHEDULE- ECE TRACK

DAY 1 - 28TH APRIL 2023

8:30 am to 9:30 am	Registration at Main Building, UCE, OU
9.15 am to 10.15 am	Inauguration at Assembly Hall, UCE, OU
10.15 am to 11.00 am	Tea Break
11.00 am to 11.30 am	<p>KEYNOTE ADDRESS – 1</p> <p>FROM THERMOSTATS TO INTELLIGENT SYSTEMS: MY LIFE IN CONTROL</p> <p>Dr. Kumpati S Narendra</p> <p>Harold W Cheel Professor Emeritus, Engineering, Yale University, USA</p> <p>Venue: Assembly Hall, UCEOU</p>
12.00 noon to 1.00 pm	<p>TECHNICAL PAPER PRESENTATIONS-1</p> <p>Venue: Seminar Hall, ECE Department</p> <p>Session Chairs: Er. P. Lakshman Rao(<i>OUECEAA, Hyderabad</i>), Prof. L. Nirmala Devi(<i>Osmania University, Hyderabad</i>)</p>
ICETE_ECE_1401	<p>IoT Based Energy Monitoring and Controlling System With Electric Billing using LabVIEW,</p> <p>Kalathiripi Rambabu, A Krishna Chaithanya, Hanija Ch, Ramya G (<i>BV Raju Institute of Technology, Medak, Telangana</i>)</p>
ICETE_ECE_2480	<p>IoT-based AI controller and Mobile App for Solar-Smart Hydroponics,</p> <p>Dr. Pallavi Khare (<i>Matrusri Engineering College Hyderabad</i>), Navdeep Khare (<i>Shri Shankaracharya Institute of Professional Management & Technology Raipur, Chhattisgarh</i>)</p>
ICETE_ECE_0694	<p>ROS based Autonomous Mobile Manipulator Robot</p> <p>B. M. Sufiyan Ali, Syeda Mehvish Anwar, M. A. Razaq Khan, Dr. Kaleem Fatima (<i>Muffakham Jah College of Engineering & Technology, Hyderabad</i>)</p>
ICETE_ECE_9484	<p>Platform Depended Certificate Generating Automatic System</p> <p>B. Sai Deepthi, K. Stella Rani, K. Srilekha, M. Mary Grace, Saikumar Tara (<i>BVRIT Hyderabad College of Engineering for Women, Hyderabad</i>)</p>
1:00 pm to 2:00 pm	Lunch Break
2.00 pm to 2.30 pm	<p>TECHNICAL PAPER PRESENTATIONS-2</p> <p>Venue: Seminar Hall, ECE Department</p> <p>Session Chairs: Prof. P. Naveen Kumar(<i>Osmania University, Hyderabad</i>), Dr. KCT Swamy(<i>GPCET, Kurnool</i>)</p>
ICETE_ECE_5981	<p>Stress Detection in Women Using Speech Analysis</p> <p>Dr.A. Sharada, R.Mamatha, K. Meghana, A. Monika (<i>G. Narayanamma Institute of Technology & Science, Hyderabad</i>)</p>
ICETE_ECE_2939	<p>A Contactless Door-Lock System for Attendance Tracking Using IOT-Based RFID Technology</p> <p>Archana Kalidindi, K Prasanna Lakshmi, ShashankJajimoggala, Saiteja Vodnala, Sandagala Arun Kumar, Yamsani Nitish (<i>Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad</i>)</p>
2.45 pm to 3.30 pm	<p>INVITED TALK - 1</p> <p>WAVEFORM DESIGN TO IMPROVE THE ESTIMATION OF TARGET PARAMETERS IN A MIMO-OFDM DUAL FUNCTION RADAR COMMUNICATION (DFRC) SYSTEM</p> <p>Prof. K V S Hari</p> <p>Professor, Department of ECE, Indian Institute of Science, Bangalore, India</p> <p>Venue: Seminar Hall, ECE Department</p>
3.30 pm to 3.45 pm	Tea Break
3:45 pm to 4.30 pm	<p>INVITED TALK- 2</p> <p>MULTI-RADIO DIVERSITY FOR NEXT-GEN COMMUNICATIONS</p>

Prof. Mohammed Zafar Ali Khan
 Professor, Indian Institute of Technology, Hyderabad, India
 Venue: Seminar Hall, ECE Department

TECHNICAL PAPER PRESENTATIONS-3

4.30 pm to 5.45 pm

Venue: Seminar Hall, ECE Department

Session Chairs: Dr. M Laxminarayana(*Unistring Tech Solutions, Hyderabad*),
 Prof. P. Chandra Sekhar(*Osmania University, Hyderabad*)

ICETE_ECE_716	A Log-Periodic Structure based Quasi-Yagi Antenna for Multiband Wireless Applications Sarala S. Shirabadagi, Veeresh G. Kasabegouda (<i>School of Engineering, Central University of Karnataka, Kalaburagi, Karnataka</i>)
ICETE_ECE_4483	Design of folded dipole antenna for harmonic radar Application Mukul Ratnakar, Ashish Meena, Preeti Dongaonkar (<i>LRDE, DRDO, Bangalore, Karnataka</i>)
ICETE_ECE_5027	Design of Self-Quadruplexing Quadruple Band SIW Antenna with High Isolation L.Srinivas, G.Arun kumar, Gopi Ram (<i>National Institute of Technology, Warangal</i>)
ICETE_ECE_7481	Design And Analysis of Fractal Antenna Geometry for Wideband Applications V Mahesh Naik, Amara Prakasa Rao Mada (<i>National Institute of Technology, Warangal</i>)
ICETE_ECE_8428	Design of a High Gain Low Profile Dipole Antenna using EBG Ground plane as a Reflector Sukh Das Ahirwar (<i>DLRL, Hyderabad</i>), Amar Prakasa Rao Mada (<i>National Institute of Technology, Warangal</i>)

DAY 2 - 29TH APRIL 2023

8:30 am to 9:30 am	Registration at Main Building, UCE, OU
9.30 am to 10.15 am	KEYNOTE ADDRESS – 2 THE FUTURE WITH GENERATIVE AI Er. Veena Gundavelli Founder & CEO, Emagia, USA Venue: Assembly Hall, UCEOU
10.15 am to 11.00 am	KEYNOTE ADDRESS – 3 PRIVACY AND SECURITY ISSUES IN SPEECH PROCESSING Dr. Bhiksha Raj School of Computer Science, Carnegie Mellon University, USA & Mohamed bin Zayed University of Artificial Intelligence, Masdar City, Abu Dhabi Venue: Assembly Hall, UCEOU
11:00 am to 11.30 am	Tea Break
11.30 am to 12.15 pm	INVITED TALK- 3 MULTIMODAL FOUNDATIONAL MODELS FOR FUSING MODALITIES Dr. Tanveer Syeda Mahmood IBM Fellow, Chief Scientist, IBM Research, Almaden, USA Venue: Seminar Hall, ECE Department
12.15 pm to 1.00 pm	TECHNICAL PAPER PRESENTATIONS- 4 Venue: Seminar Hall, ECE Department
	Session Chairs: Prof. P. Ananth Raj(<i>Osmania University, Hyderabad</i>), Dr. Vijender Busi Reddy(<i>ADRIN-ISRO, Hyderabad</i>)
ICETE_ECE_1398	Segmentation of Images Using Level Set Method Based On Additive Bias Correction(LS-ABC)

	Ragotham Reddy Ganta, Sruthi Gudelli, Haindavi Boga, Sai Deepak Pokkula, Syed Waseem Ur Rayyan, Ramudu Kama (<i>Kakatiya Institute of Technology and Science, Warangal</i>)
ICETE_ECE_2022	Under Water Image Restoration and Enhancement Using Image Processing in MATLAB Swetha Mangali, Nikhitha Marri, Poojitha Narreddy, Ramesh Deshpande, B.R. Sanjeeva Reddy (<i>BV Raju Institute of Technology, Medak, Telangana</i>)
ICETE_ECE_5374	Robust Video watermarking Using Bacteria Foraging Optimization Ranjan K.Senapati, P.Bhavya Reddy, K.Thirumalesh, E.Vamshi Krishna(<i>VNR VJIET, Hyderabad</i>), PMK Prasad (<i>GVPCE for Women, Visakhapatnam, AP</i>)
1:00 pm to 2:00 pm	Lunch Break
2.00 pm to 2.45pm	TECHNICAL PAPER PRESENTATIONS-5 Venue: Seminar Hall, ECE Department Session Chair: Prof. P. Lakshminarayana(<i>NERTU, Osmania University, Hyderabad</i>), Prof. T. Satya Savitri(<i>JNTUH UCEST, Hyderabad</i>)
ICETE_ECE_761	DETECTION OF WEEDS BY USING MACHINE LEARNING P. Kavitha Reddy, R. Anirudh Reddy, M Abhishek Reddy, Kondani. Rohith, Katukam. Rahul, Katkam. Saiteja (<i>B.V. Raju Institute of Technology, Narsapur, Hyderabad</i>)
ICETE_ECE_8373	IoT BASED CROP RECOMMENDATION SYSTEM USING MACHINE LEARNING FOR SMART AGRICULTURE Dr. S. Siva Priyanka (<i>CBIT, Hyderabad</i>), Dr. M. Raju, G. Smitha, J. Lahari, P. Mani Vinay, G. Akash Reddy (<i>Kakatiya Institute of Technology and Science, Warangal</i>)
ICETE_ECE_9007	Real-Time Drone Detection Using Deep Learning Sricharan.K (<i>BML Munjal University</i>), Venkat.M (<i>Scientist- "E", ASL, DRDO</i>)
2.45 pm to 3.30 pm	TECHNICAL PAPER PRESENTATIONS-6 Venue: Seminar Hall, ECE Department Session Chair: Prof. B. Rajendra Naik(<i>Osmania University, Hyderabad</i>), Dr. Kaleem Fatima(<i>MJCET, Hyderabad</i>)
ICETE_ECE_9334	Implementation Of 16-bit Vedic Multiplier Using Modified CSA Vanitha B, Nagaraj S, Sai Kumar B (<i>SVCET(Autonomous), Chittoor, AP</i>)
ICETE_ECE_8483	Novel Embryonics Adder Architecture with Unicellular Self-Check Unit Nur mahmmad SK, Ragavendra Kumar S (<i>Indian Institute of Information Technology Design and Manufacturing (IIITDM), Kanchipuram, Tamilnadu</i>), Balasubramanyan P, Venkat Reddy G (<i>RCI, Hyderabad</i>)
ICETE_ECE_6953	Study and Performance Comparison of Coupled Ring Oscillator Shirisha Pendyala, Mohd. Ziauddin Jahangir (<i>Chaitanya Bharathi Institute of Technology, Hyderabad</i>), Paidimarry Chandra Sekhar (<i>Osmania University, Hyderabad</i>)
3.30 pm to 3.45 pm	Tea Break
3.45 pm to 4.30 pm	TECHNICAL PAPER PRESENTATIONS - 7 Venue: Seminar Hall, ECE Department Session Chairs: Prof. A. Rajani(<i>JNTUH UCEST, Hyderabad</i>), Prof. Kotilaxmi(<i>Osmania University, Hyderabad</i>)
ICETE_ECE_8564	Performance Analysis of RIS-Aided NOMA Networks in α-μ & κ-μ Generalized Fading Channel Aaditya Prakash Kattakola, Sanjana Dontha, Anuradha Sundru (<i>National Institute of Technology,</i>

	<i>Warangal)</i>
ICETE_ECE_3424	Performance Enhancement Patch Antenna Using Metasurface And Dielectric Superstrate For 5Ghz Wi-Fi Applications Swapna Kumari B, M Shyam Sundar (<i>Osmania University, Hyderabad</i>)
ICETE_ECE_3303	Band gap modulation of hydrogenated silicene with increased fluorine occupancy J. Sravana, Dr. Muralidhar Pullakanda (<i>National Institute of Technology, Warangal</i>), Dr.V.Padmanabha Reddy (<i>Institute of Aeronautical Engineering, Hyderabad</i>)
4:45 pm to 5.30 pm	INVITED TALK- 4 ERROR MODEL (EM)-A NEW WAY OF DOING FAULT SIMULATION Dr. Nirmal Saxena Senior Director, HPC & Automotive Resilient Computing, NVIDIA, California, USA Venue; Seminar Hall, ECE Department

DAY 3 - 30TH APRIL 2023	
8:30 am to 9:30 am	Registration at Main Building, UCE, OU
9.30 am to 10.15 am	KEYNOTE ADDRESS – 4 LEVERAGING IOT TO ENHANCE WATER USE EFFICIENCY IN AGRICULTURE Dr Srinivasulu Ale Texas A&M University AgriLife Research Center, Vernon, USA Venue: Assembly Hall, UCEOU
10.15 am to 11.00 am	KEYNOTE ADDRESS – 5 CUSTOM MEDICAL DEVICE DESIGN IN HEALTHCARE & MEDICINE Prof. Dominic Eggbeer Prof. of Healthcare Applications of Design Cardiff Metropolitan University, Cardiff, UK Venue: Assembly Hall, UCEOU
11.00 am to 11.30 am	Tea Break
1:00 pm to 2:00 pm	Lunch Break

PROGRAMME SCHEDULE – CIVIL TRACK

DAY 1 - 28TH APRIL 2023

8:30 am to 9:30 am	Registration at Main Building, UCE, OU
9.15 am to 10.15 am	Inauguration at Assembly Hall, UCE, OU
10.15 am to 11.00 am	Tea Break
11.00 am to 11.45 am	KEYNOTE ADDRESS - 1 Dr. Kumpati S Narendra Harold W Cheel Professor Emeritus, Engineering, Yale University, USA Venue: Assembly Hall, UCEO
12.00 pm to 1.00 pm	Technical Paper Presentations-1 Venue: Conference Hall /Seminar Hall, CED Session Chairs: Prof. V. Bhikshma (<i>Osmania University, Hyderabad</i>), Prof.A.Mallika (<i>VNRVJIET, Hyderabad</i>)
ICETE_CED_1570	Study of Mechanical and Morphological properties of Cellulose Reinforced Composites <i>Karunakr Ch (KITS), Mohan Rao C V (UCE KU Kothagudem), Anusha G (KITS Warangal)</i>
ICETE_CED_8864	Study on effect of Heat, Abrasioned and Ground Granulated Blast Slag Furnace (GGBS) slurry pretreated Recycled Concrete Aggregates (RCA) on fresh and hardened properties of Recycled Aggregate Concrete (RAC) <i>Suyog Dharmadhikari (Government college of Engineering, Aurangabad)</i>
ICETE_CED_2580	Resistance to degradation in Cantabro test on specimens of low carbon concrete <i>Vishal Akula, Chandana N (Gandhi Institute of Technology and Management, School of Technology)</i>
ICETE_CED_2896	Effects of bacterial incorporation on the mechanical characteristics of ECC <i>Vipul Solanki (CVM University), Khadeeja Priyan (GCET, V V Nagar)</i>
1:00pm to 2:00pm	Lunch Break
2.00 pm to 2.45pm	Technical Paper Presentations-2 Venue: Conference Hall/Seminar Hall, CED Session Chairs: Prof. P. Rajasekhar (<i>Osmania University, Hyderabad</i>), Dr. A.Ramesh (<i>VNRVJIET, Hyderabad</i>)
ICETE_CED_7234	Fly ash and Bagasse ash Embankment in Flexible Pavements for the Analysis <i>Chakravarthy Thokala, Shyam Chamberlin Karri (K.L.University)</i>
ICETE_CED_6145	Suitability of S-Shaped Functions for Fitting Smooth S-Hydrograph <i>Pravin Rangrao Patil (National Institute of Hydrology, Roorkee), S.K.Mishra (Indian Institute of Technology, Roorkee), Sanjay K Jain, Pankaj Mani (National Institute of Hydrology, Roorkee)</i>
ICETE_CED_8770	A Comprehensive approach for Enhancement of Water Potential of Village <i>Pankaj Mani, Jagdish Prasad Patra (National Institute of Hydrology, Roorkee), Rakesh Kumar (Sharda University), Pravin Rangrao Patil (National Institute of Hydrology, Roorkee)</i>
2.45 pm to 3.30 pm	INVITED TALK -1 CONCRETE INNOVATIONS FOR MEETING CONSTRUCTION CHALLENGES OF TOMORROW Dr.Kolluru V.L. Subramaniam Professor, Indian Institute of Technology, Hyderabad, India Venue: Conference Hall / Seminar Hall, Civil Engineering Department
3.30 pm to 3.45 pm	Tea Break
3:45 pm to 4.30 pm	INVITED TALK- 2 GROUND VS SOIL - A NEW PERSPECTIVE Dr. M.R.Madhav Retd. Professor, Indian Institute of Technology, Kanpur, India Venue: Conference Hall / Seminar Hall, Civil Engineering Department
	Technical Paper Presentations-3

4.30 pm to 6.00 pm

Venue: Conference Hall/Seminar Hall, CED

Session Chair: Prof. K. L. Radhika (*Osmania University, Hyderabad*), Prof. D. Annapurna (*Osmania University, Hyderabad*)

ICETE_CED_5794	Mechanical Properties of ultra high strength concrete M80-M150 made with Indian materials with Ambient curing Regime <i>Kalaskar Naresh Kumar and Vakudothu Bhikshma</i>
ICETE_CED_9904	Resilient behavior of coal pond ash <i>Sudhakar Mogili (RGM College of Engineering and Technology), Manoj Kumar Putturu (G Pulla Reddy Engineering College), Heeralal Modavath, Kalyan Kumar Gonavaram (NIT Warangal)</i>

DAY 2 - 29TH APRIL 2023

8:00 am to 8:30 am	Registration at Main Building, UCE, OU
8.30 am to 9.15 am	INVITED TALK 3 BLUE GREEN INFRASTRUCTURE: THE FUTURE OF SUSTAINABLE STORMWATER MANAGEMENT AND WATER QUALITY IMPROVEMENT Dr. Fouad H. Jaber Texas A&M University AgriLife Research Extension Center, Dallas, USA Venue: Conference Hall / Seminar Hall, Civil Engineering Department
9.30 am to 10.15 am	KEYNOTE ADDRESS – 2 THE FUTURE WITH GENERATIVE AI Er. Veena Gundavelli Founder & CSE, Emagia, USA Venue : Assembly Hall, UCEOU
10.15 am to 11.00 am	KEYNOTE ADDRESS - 3 PRIVACY AND SECURITY ISSUES IN SPEECH PROCESSING Dr. Bhiksha Raj School of Computer Science, Carnegie Mellon University, Pittsburgh, Pennsylvania, USA & Mohamed bin Zayed University of Artificial Intelligence, Masdar City, Abu Dhabi Venue: Assembly Hall, UCEOU
11.00 am to 11.30 am	Tea Break
Technical Paper Presentations- 4	
11.30 pm to 1.00 pm	Venue: Conference Hall/Seminar Hall, CED Session Chair: Dr. K. Shashikanth (<i>Osmania University, Hyderabad</i>), Dr. Bandita Naik (<i>MCET, Hyderabad</i>)
ICETE_CED_5633	Development of an open-source hybrid segmentation tool to delineate agricultural field boundaries in fragmented land system <i>Sravani Duvvuri (RGUKT - Nuzvid), Phanindra KBVN (IIT Hyderabad)</i>
ICETE_CED_3987	IoT BASED SMART WASTE MANAGEMENT SYSTEM <i>Sai Chetana Parepalli, Snigdha Cheemakurthy, Naga Prathyusha Kommuri, Hrushi Varma Dhaniseti, Shashikanth Kulkarni (Osmania University, Hyderabad)</i>
ICETE_CED_5835	Optimization of food and garden waste co-digestion with different pre-treatments for biogas production <i>Nithin Raja Cherukuri, Purushothaman Parthasarathy (SRM Institute of Science and Technology, Chennai)</i>
1:00pm to 2:00pm	Lunch Break
Technical Paper Presentations -5	
2.00 pm to 3.30pm	Venue: Conference Hall/Seminar Hall, CED Session Chair: Prof. M.V.S.Sridhar (<i>Osmania University, Hyderabad</i>), Dr. Harish Gupta (<i>Osmania University, Hyderabad</i>)
ICETE_CED_4592	Laboratory Evaluation of Interaction Between Geotextile Reinforcement and Cement Modified Murrum Soil

	<i>Venkat Praveen Gannavaram , Sai Padmaja K, (Sreenidhi Institute of Science and Technology, Hyderabad), Pandu Kurre (ISL Engineering College, Hyderabad)</i>
ICETE_CED_5565	Innovations in Development of Yadadagiri Gutta Temple in Telangana State, India <i>Babu Rao D (Osmania University, Hyderabad)</i>
ICETE_CED_9711	Flood Inundation Mapping for a Kukatpally Gauged Basin Using HEC-RAS: A Case Study of Hyderabad Metropolitan Area, Telangana State, India <i>Naresh Aadhi, Gopal Naik M (Osmania University, Hyderabad)</i>
3.30 pm to 3.45 pm	Tea Break
3.45 pm to 4.30 pm	INVITED TALK 4 SERVICE TRIP GENERATION MODELLING IN URBAN AREAS Dr. Carlos A. Gonzalez-Calderon Universidad Nacional de Colombia at Medellin, Colombia Venue: Conference Hall / Seminar Hall, Civil Engineering Department

DAY 30TH APRIL 2023	
8:30 am to 9:30 am	Registration at Main Building, UCE, OU
9.30 am to 10.15 am	KEYNOTE ADDRESS – 4 LEVERAGING IOT TO ENHANCE WATER USE EFFICIENCY IN AGRICULTURE Dr Srinivasulu Ale Texas A&M University AgriLife Research Center, Vernon, USA Venue: Assembly Hall, UCEOU
10.15 am to 11.00 am	KEYNOTE ADDRESS – 5 CUSTOM MEDICAL DEVICE DESIGN IN HEALTHCARE & MEDICINE Prof. Dominic Eggbeer Prof. of Healthcare Applications of Design Cardiff Metropolitan University, Cardiff, UK Venue: Assembly Hall, UCEOU
10.15 am to 11.00 am	Tea Break
1.00 pm to 2.00pm	Lunch Break

PROGRAMME SCHEDULE-MECHANICAL TRACK

DAY 1 - 28TH APRIL 2023

8:30 am to 9:30 am	Registration at Main Building, UCE, OU
9.15 am to 10.15 am	Inauguration at Assembly Hall, UCE, OU
10.15 am to 11.00 am	Tea Break
11.00 am to 11.45 am	<p>KEYNOTE ADDRESS - 1</p> <p>FROM THERMOSTATS TO INTELLIGENT SYSTEMS: MY LIFE IN CONTROL</p> <p>Dr. Kumpati S Narendra</p> <p>Harold W Cheel Professor Emeritus, Engineering, Yale University, USA</p> <p>Venue: Assembly Hall, UCEOU</p>
<p>TECHNICAL PAPER PRESENTATIONS-1</p> <p>12.00 pm to 1.00 pm Venue: E-classroom, MED Department</p> <p>Session Chairs: Prof.G.Narendar (<i>Osmania University, Hyderabad</i>)</p> <p style="text-align: center;">Prof.V.Uma Maheshwar (<i>Osmania University, Hyderabad</i>)</p>	
ICETE_MED_5585	<p>Design and Performance Analysis of a Producer Gas Cleaning System for a Downdraft Gasifier Processing Segregated Dry Municipal Solid Waste and Biomass</p> <p><i>Ravi Kumar Rachamala (MVSR Engineering College, Hyderabad), Narsimhulu Sanke (Osmania University, Hyderabad) and Seshu Kumar A (IICT, Hyderabad)</i></p>
ICETE_MED_6788	<p>Study On Electronic Properties Of Nano Structures</p> <p><i>Anabathula Udaya Sri, Dr D.Vinay Kumar (Vignan University, Guntur) and Dr B.Hadya (Osmania University, Hyderabad)</i></p>
ICETE_MED_2481	<p>Study of Combustion characteristics for R1234yf/R134a Refrigerant Leakage from VCRS Cycle: an Experimental Approach</p> <p><i>Madhu B and Dr.Hadya Nayak (Osmania University, Hyderabad)</i></p>
ICETE_MED_7016	<p>Impact Analysis of the CI Engine Emission and Performance Characteristics for Biodiesel from Calotropis Root Oil</p> <p><i>Bhukya Balu (Osmania University, Hyderabad), Dr.G.Venkakta Subbaiah (Andhra University, Visakhapatnam) and Dr.Narsimhulu Sanke (Osmania University, Hyderabad)</i></p>
1:00 pm to 2:00 pm	Lunch Break
<p>TECHNICAL PAPER PRESENTATIONS-2</p> <p>2.00 pm to 2.45 pm Venue: E-classroom, MED Department</p> <p>Session Chairs: Prof.K.Saraswathamma (<i>Osmania University, Hyderabad</i>)</p> <p style="text-align: center;">Prof.Gajanana (<i>MVSR EC, Hyderabad</i>)</p>	
ICETE_MED_3590	<p>Study of wear analysis of chitosan epoxy polymer composites</p> <p><i>Om Prakash, Harshavardhan Rebelly, Raviteja Shivakoti, Kirti Gorremuchu and Deepika Nalla (Kakatiya Institute of Technology and Science, Warangal)</i></p>
ICETE_MED_9282	<p>Mathematical Modelling and Optimization of Tool Geometry to Machine Hard Metals using PCBN Inserts</p> <p><i>Adil Syed (Muffakham Jah College of Engineering and Technology, Hyderabad), Dr.Krishnaiah Arkanti (Osmania University, Hyderabad) and Srinivas Rao Dongoor (Muffakham Jah College of Engineering and Technology, Hyderabad)</i></p>
ICETE_MED_1267	<p>Multi-objective optimization of EDM process on ZE41 Magnesium alloy with Copper, Brass and EN8 electrodes using AHP-TOPSIS method</p> <p><i>Uyala Shrinivas Balraj, Jannu Sunny, Chodavarapu Rajeev, Kota Pavan Krishna and Burugugadda Chanakya (Kakatiya Institute of Technology and Science, Warangal)</i></p>
2.45 pm to 3.30 pm	<p>INVITED TALK -1</p> <p>SEEING SPEECH USING NOVEL HIGH SPEED MAGNETIC RESONANCE IMAGING (MRI)</p> <p>Er. Pravin Swaminathan</p> <p>Head of Software Business and Product-IAP, Stellantis, India</p>

	Venue: Seminar Hall, Mechanical Department
3.30 pm to 3.45 pm	Tea Break
3:45 pm to 4.30 pm	<p style="text-align: center;">INVITED TALK- 2 LOW/NO CODE PLATFORMS: IMPACT ON MANUFACTURING AND ENGINEERING COMPANIES Er. Ramana Mallysetty CEO, DigiFyde, Florida, USA Venue: Seminar Hall, Mechanical Department</p>
4.30 pm to 5.30 pm	Venue: E-classroom, MED Department
<p style="text-align: center;">TECHNICAL PAPER PRESENTATIONS-3</p> Session Chairs: Prof.J.V.Subramanyam (<i>Osmania University, Hyderabad</i>), Prof.Ramesh Babu (<i>Osmania University, Hyderabad</i>)	
ICETE_MED_3647	<p>Investigation of the effect of tuned mass-damper system on the external vibrations endured by a vehicle <i>Syed Mohammed Yasin, Musaab Zaheeruddin, Syed Sufyaan Mukarram and Madhusudan Raju Ettaboina (Osmania University, Hyderabad)</i></p>
ICETE_MED_8211	<p>Additive Manufactured continuous fiber composites in tooling <i>Komati Raghunath Rao and Rasale Rohit Shivaji (Advanced Technology Group, Advanced Systems Laboratory, Hyderabad)</i></p>
ICETE_MED_4291	<p>Modal Analysis of Simply supported Aluminium Plate structure with and without Damping Layer <i>Rama Rao Thatigiri and Dr. Meera Saheb Koppanati (Jawaharlal Nehru Technological University, Kakinada)</i></p>
ICETE_MED_7358	<p>Design and Analysis of Wall-Climbing Robot <i>Nishant Vangala, Chittin Varunav, Jatoth Aravind, Syed Mohammed Yasin and Madhusudan Raju Ettaboina (Osmania University, Hyderabad)</i></p>
<p style="text-align: center;">TECHNICAL PAPER PRESENTATIONS-4</p>	
4.30 pm to 5.30 pm	Venue: Seminar Hall, MED Department
<p>Session Chairs: Prof.M.C.S Reddy (<i>Osmania University, Hyderabad</i>), Prof.N.V.Srinivasulu (<i>CBITEC, Hyderabad</i>)</p>	
ICETE_MED_8025	<p>Analysis of Delamination Studies in FRP Composites Using 3-D Finite Element Simulation <i>Rentala Mohan (Osmania University, Hyderabad), Dr.Mohd. Mohinoddin (Muffakhm Jah College of Engineering & Technology, Hyderabad) and Dr.Sriram Venkatesh (Osmania University, Hyderabad)</i></p>
ICETE_MED_6579	<p>Stress Analysis Of Adhesively Bonded Hybrid Tubular Lap Joints In Laminated FRP Composites <i>Kattula Susheela and P Ramesh Babu (Osmania University, Hyderabad)</i></p>
ICETE_MED_9948	<p>Embedded Based Automated Conveyor System for Food Processing <i>Bhanu Teja Prakash Parise, Dr.Rambabu Kalathiripi, Vamshi Pillutla and Mamatha Nallabelli (Jawaharlal Nehru Technological University, Hyderabad)</i></p>
ICETE_MED_5796	<p>Experimental study on the behaviour of different point angled drill bit on Functionalised nano tubes reinforced carbon/epoxy composites <i>Bhanu Murthy Soppari (Osmania University, Hyderabad), Dr Kishore Nath Nayani (Advanced Systems Laboratory,DRDO, Hyderabad), Dr.Ramesh Babu P (Osmania University, Hyderabad) and Hema Priya P (VNR Vignana Jyothi Institute of Engineering and Technology Hyderabad)</i></p>
DAY 2 - 29TH APRIL 2023	
8:30 am to 9:30 am	Registration at Main Building, UCE, OU
9.30 am to 10.15 am	<p style="text-align: center;">KEYNOTE ADDRESS – 2 THE FUTURE WITH GENERATIVE AI Er. Veena Gundavelli Founder & CEO,Emagia, USA</p>

	Venue: Assembly Hall, UCEOU
10.15 am to 11.00 am	<p style="text-align: center;">KEYNOTE ADDRESS – 3</p> <p style="text-align: center;">PRIVACY AND SECURITY ISSUES IN SPEECH PROCESSING</p> <p style="text-align: center;">Dr. Bhiksha Raj</p> <p style="text-align: center;">School of Computer Science, Carnegie Mellon University, Pittsburgh, Pennsylvania, USA & Mohamed bin Zayed University of Artificial Intelligence, Masdar City, Abu Dhabi</p> <p style="text-align: center;">Venue: Assembly Hall, UCEOU</p>
11.00 am to 11.30 am	Tea Break
11.30 am to 12.15 pm	<p style="text-align: center;">INVITED TALK 3</p> <p style="text-align: center;">DEVELOPMENT OF ADVANCED COMPOSITE PRODUCTS FOR AEROSPACE APPLICATIONS</p> <p style="text-align: center;">Dr. N. Kishore Nath</p> <p style="text-align: center;">Technology Director of Space Systems, Advanced Systems Laboratory, DRDO, Hyderabad.</p> <p style="text-align: center;">Venue: Seminar Hall, Mechanical Department</p>
12.15 pm to 1.00 pm	<p style="text-align: center;">TECHNICAL PAPER PRESENTATIONS- 5</p> <p style="text-align: right;">Venue: E-classroom, MED Department</p> <p>Session Chairs: Prof.A.Krishnaiah (<i>Osmania University, Hyderabad</i>), Prof.J.Kandasamy (<i>MVSR EC, Hyderabad</i>)</p>
ICETE_MED_6168	<p>Optimising cutting parameters for minimizing drilling induced delamination damage in CFRP composites</p> <p><i>Suresh Aadepu (Osmania University, Hyderabad), Dr Lachiram (DLRL, Hyderabad.) and Ramesh Babu P (Osmania University, Hyderabad)</i></p>
ICETE_MED_2395	<p>Enhancing Productivity Using Flow Process Charts And Value Stream Mapping</p> <p><i>Sruthi Shanker Pydimarry and Dr. B V S Rao (Chaitanya Bharathi Institute of Technology, Hyderabad)</i></p>
ICETE_MED_4388	<p>Optimization of processing parameters and mechanical properties of SLM Titanium alloy</p> <p><i>Jammula Praneeth, Sriram Venkatesh and Sivarama Krishna Ledella (Osmania University, Hyderabad)</i></p>
1:00 pm to 2:00 pm	Lunch Break
2.00 pm to 2.45 pm	<p style="text-align: center;">TECHNICAL PAPER PRESENTATIONS -6</p> <p style="text-align: right;">Venue: E-classroom, MED Department</p> <p>Session Chairs: Prof.L.Siva Rama Krishna (<i>Osmania University, Hyderabad</i>), Dr.Qutubuddin (<i>Gulbarga University, Karnataka</i>)</p>
ICETE_MED_7323	<p>Pulsed CMT process improves mechanical properties of Al 6061-T6 and SS 304 lap joints for automotive</p> <p><i>Md Anwar and Rega Rajendra (Osmania University, Hyderabad)</i></p>
ICETE_MED_6203	<p>Optimization of process parameters on forming force for Incremental forming of SS316</p> <p><i>A Chandrakanth (Chaitanya Bharathi Institute of Technology, Hyderabad) and A Krishnaiah (Osmania University, Hyderabad)</i></p>
ICETE_MED_1800	<p>Optimizing Efficiency and Safety in Industry: The Power of Industrial Engineering Techniques for Waste Identification and Productivity Improvement</p> <p><i>Atharwa Kharkar, Varsha Karandikar, Himanshu Kurzekar, Arnav Hardas, Nilay Diwan, Ameya Panshikar and Gajanan Gambhire (Vishwakarma Institute Of Technology, Pune)</i></p>
2.45 pm to 3.30 pm	<p style="text-align: center;">INVITED TALK 4</p> <p style="text-align: center;">PRECISION ENGINEERING AND PRODUCT DEVELOPMENT</p> <p style="text-align: center;">Dr. S. Karunanidhi</p> <p style="text-align: center;">Outstanding Scientist and Associate Director, Research Centre Imarat (RCI), DRDO, Hyderabad, India</p> <p style="text-align: center;">Venue: Seminar Hall, Mechanical Department</p>
3.30 pm to 3.45 pm	Tea Break
	TECHNICAL PAPER PRESENTATIONS - 7

3.45 pm to 5.30 pm

Venue: E-classroom, MED Department

Session Chairs: Prof.B.Hadya (*Osmania University, Hyderabad*)

Prof.N.Sanke (*Osmania University, Hyderabad*)

ICETE_MED_4605	Numerical analysis of external mounted carriage lugs on Aerodynamic performance of air launched glide vehicles <i>Jayaprakash K, Kandasamy S, Deb Kumar Ghosh and Keerthi Sree B (Defence Research & Development Organization, Hyderabad)</i>
ICETE_MED_1994	Study of Entropy Generation in Secondary Flows in the T106A Low Pressure Axial Turbine Cascade <i>Uma Maheshwar Vanamala (Osmania University, Hyderabad) and Aditya Shiva Appalla (Mechademy Engineereing Solutions, New Delhi)</i>
ICETE_MED_6703	Design and Thermodynamic Analysis of Single Loop Thermosyphon <i>Sai Sandeep Kolanu and Narendar Gajula (Osmania University, Hyderabad)</i>
ICETE_MED_6051	Numerical Analysis of Supercritical Fluids in 2D Chamber <i>Rathan Babu Athota, Sai Puravardhan Korani, Polaiah Bojja, Surya Hevanth Nimmala and Prem Kumar Bet (Institute of Aeronautical Engineering, Hyderabad)</i>
ICETE_MED_8670	Thermoelectric cooler failure prevention caused due to CTE mismatch by FEA based solder layer material selection <i>Akshat Sankhere (Continental Autonomous Mobility India Pvt. Ltd, Bangalore.), David Faller (Automotive Distance Control Systems GmbH, Germany) and Kishore Palaparathi (Continental Autonomous Mobility India Pvt. Ltd, Bangalore)</i>
ICETE_MED_5592	Aerodynamic Design and Numerical Analysis of S-Duct Intake <i>Jayaprakash K, Kandasamy S, Deb Kumar Ghosh and Girish Varma (Defence Research & Development Organization, Hyderabad)</i>
DAY 3 - 30TH APRIL 2023	
8:30 am to 9:30 am	Registration at Main Building, UCE, OU
9.30 am to 10.15 am	KEYNOTE ADDRESS – 4 LEVERAGING IOT TO ENHANCE WATER USE EFFICIENCY IN AGRICULTURE Dr Srinivasulu Ale Texas A&M University AgriLife Research Center, Vernon, USA Venue: Assembly Hall, UCEOU
10.15 am to 11.00 am	KEYNOTE ADDRESS – 5 CUSTOM MEDICAL DEVICE DESIGN IN HEALTH CARE & MEDICINE Prof. Dominic Eggbeer Prof. of Healthcare Applications of Design Cardiff Metropolitan University, Cardiff, UK Venue: Assembly Hall, UCEOU
10.15 am to 11.00 am	Tea Break
1:00 pm to 2:00 pm	Lunch Break

PROGRAMME SCHEDULE- MINING TRACK

DAY 1 - 28TH APRIL 2023	
08.30 am to 9.30 am	Registration at Main Building, UCE, OU
9.15 am to 10.15 am	Inauguration at Assembly Hall, UCE, OU
10.15 am to 11.00 am	Tea Break
11.00 am - 11.45 pm	KEYNOTE ADDRESS – 1 FROM THERMOSTATS TO INTELLIGENT SYSTEMS: MY LIFE IN CONTROL Dr.Kumpati S Narendra Harold Wheel Professor Emeritus, Engineering, Yale University, USA Venue: Assembly Hall, UCEOU
12:00 pm to 1.00 pm	TECHNICAL PAPER PRESENTATIONS-1 Venue: Seminar Hall, Mining Department Session Chairs: Er B R V Susheel Kumar (<i>Director, Department of Mines & Geology, Hyderabad</i>), Dr. Banda Srikanth (<i>Asst. Prof, UCE, Kothagudem, K.U</i>)
ICETE_MINING_2254	The Use of Radar in the Assessment of the Stability of Mine Slopes in Open Cast Mines Mohd Maneeb Masood, Tarun Verma, Sunny Murmu (<i>IIT(BHU), Varanasi, Uttar Pradesh, India</i>)
ICETE_MINING_2669	Cloud Computing based advanced slope monitoring system for Opencast coal mines Sathish Kumar Mittapally, Shyam Sunder M, G Karthik, Ram Chandar Karra (<i>NITK Surthkal, Karnataka, Telangana, India</i>)
ICETE_MINING_8493	Dump susceptibility analysis under earthquake conditions using the numerical modelling Kapoor Chand, Dipti Mor, Mihira Karanjai, Radhakanta Koner (<i>IIT (ISM), Dhanbad, Jharkhand, India</i>)
1.00 pm to 2.00 pm	Lunch Break
2.00 pm to 2.45 pm	TECHNICAL PAPER PRESENTATIONS-2 Venue: Seminar Hall, Mining Department Session Chairs: Er Bikki Ramesh Kumar (<i>Director (Op), SCCL (Retd)</i>), Er B. Paparao (<i>DMS, DGMS (Retd)</i>)
ICETE_MINING_7311	Analysis of behavior of underground coal panel surrounded with goaved-out workings Pavan Kalyan Kasturi, Sreenivasa Rao Islavath (<i>IIT Kharagpur, West Bengal, India</i>)
ICETE_MINING_5081	Feasibility study of a copper deposit considering underground method of mining Mandeep Singh Gill, B. S. Choudhary, Vikram Sakinala (<i>IIT (ISM), Dhanbad, Jharkhand, India</i>)
2.45 pm to 3.30 pm	INVITED TALK -1 DEVELOPMENT OF AN EMPIRICAL FORMULA FOR PREDICTION OF HIGHWALL SLOPE INSTABILITY IN OPENCAST COAL MINES Dr Inumula Satyanarayana, Dy. Director of Mines Safety, DGMS, Bangalore, India Venue: Seminar Hall Mining Department
03.30 pm – 03.45 pm	Tea Break
3.45 pm to 4.30 pm	INVITED TALK -2 DPM DISPERSION IN UNDERGROUND MINES AND CONTROL STRATEGIES Dr Ramakrishna Morla, Norton Gold Fields, Australia Venue: Seminar Hall Mining Department

TECHNICAL PAPER PRESENTATIONS-3	
4.30 pm to 5.30 pm Venue: Seminar Hall Mining Department Session Chairs: Er. P. Ranganatheeshwar (<i>Dy. DG, (DGMS) (Retd)</i>), Dr. B. Prasad (<i>GM, CMPDI, (Retd)</i>)	
ICETE_MINING_3669	UAV Technology-based 3D Reconstruction for Mine Dump Slope Assessment Amit Kumar Mankar, Radhakanta Koner (<i>IIT (ISM), Dhanbad, Jharkhand, India</i>)
ICETE_MINING_6805	Strata Control TARPs during different phases of Longwall Mining K Srikanth, K Nageswar Raor, K Venkateswarlu (<i>SCCL, Telengana, India</i>)
ICETE_MINING_9874	Effect of Blast Vibrations on Dump Slope Stability in Opencast Coal Mines Sathish Kumar Mittapally, E Srinivas, I Satyanarayana, Purushotham K (<i>Osmania University, Hyderabad</i>)
ICETE_MINING_7402	Wireless Sensor Networks and Real-time Slope monitoring - A Brief review Sathish Kumar Mittapally, Raj Kumar Marichamy (<i>Osmania University, Hyderabad</i>)

DAY 2 - 29th APRIL 2023	
08.30 am to 9.30 am	Registration at Main Building, UCE, OU
9.30 am to 10.15 am	KEYNOTE ADDRESS - 2 THE FUTURE WITH GENERATIVE AI Er. Veena Gundavelli Founder & CEO, Emagia, USA Venue: Assembly Hall, UCEOU
10.15 am to 11.00 am	KEYNOTE ADDRESS – 3 PRIVACY AND SECURITY ISSUES IN SPEECH PROCESSING Dr. Bhiksha Raj School of Computer Science, Carnegie Mellon University, Pittsburgh, Pennsylvania, USA & Mohamed bin Zayed University of Artificial Intelligence, Masdar City, Abu Dhabi Venue: Assembly Hall, UCEOU
11.00 am - 11.30 am	Tea Break
11.30 am to 12.15 pm	INVITED TALK -3 MINE HEALTH AND SAFETY RESEARCH Dr Purushotham Tukkaraja, South Dakota School of Mines and Technology, USA Venue: Seminar Hall Mining Department
TECHNICAL PAPER PRESENTATIONS-4	
12.15 pm to 12.45 pm Venue: Seminar Hall Mining Department Session Chairs: Prof. K. Srinivas (<i>Anna University, Chennai (Retd)</i>), Er Sathish Kumar Mittapally (<i>Faculty in Mining Engineering, UCE, OU</i>)	
ICETE_MINING_3692	Prediction of heat stress to mitigate operational health hazard in mines Vikram Sakinala, P.S. Paul, Sourabh Anand (<i>IIT (ISM), Dhanbad, Jharkhand, India</i>)
ICETE_MINING_8531	Review of Current Practice of Early detection of spontaneous combustion at Longwall Harila Surendran, Nirmal Mandal, T.G. Suntharavadivel (<i>Central Queensland University, Australia</i>)
1.00 pm to 2.00 pm	Lunch Break
TECHNICAL PAPER PRESENTATIONS-5	
2.00pm to 2.45 pm Venue: Seminar Hall Mining Department Session Chairs: Er B Surender Mohan (<i>Former CMD, NLC Ltd</i>), Dr. G Karthik (<i>Ass. Prof., Stanley College of Engg & Tech for Women</i>)	

ICETE_MINING_6851	UAV - AI tools to tune fragmentation size and peak particle velocity using appropriate firing pattern and S/B ratio in jointed OB benches N SriChandrabas, B. S. Choudhary, MS Venkataramayya (<i>Malla Reddy Engineering College, Hyderabad, India</i>)
ICETE_MINING_7513	Assessment of noise and its impact on miners health Vikram Sakinala, P. S. Paul, Nitesh Kumar Rajwade (<i>IIT (ISM), Dhanbad, Jharkhand, India</i>)
2.45 pm to 3.30 pm	INVITED TALK -4 IMPORTANCE OF ROCK BLASTING IN MINES: PRESENT SCENARIOS AND RESEARCH AHEAD Dr Ram Chandar Karra, Department of Mining Engineering, NITK Surathkal, India Venue: Seminar Hall Mining Department
03.30 pm – 03.45 pm	Tea Break
3.45 pm to 4.30 pm	INVITED TALK -5 DRIVING SUSTAINABLE DEVELOPMENT IN THE MINING INDUSTRY THROUGH TECHNOLOGY AND ESG INTEGRATION: CHALLENGES AND OPPORTUNITIES FOR THE INDIAN MINING SECTOR Dr Laxminarayana Chikatamarla, CEO, LARA Energy Pty Ltd Venue: Seminar Hall Mining Department
TECHNICAL PAPER PRESENTATIONS-6	
4.30 pm to 5.15 pm	Venue: Seminar Hall Mining Department
Session Chairs: Dr Ram Chandar Karra (<i>Associate Professor, NITK, Surathkal</i>), Dr. N SriChandrabas (<i>HOD, Mining Engg, MREC, Hyd.</i>)	
ICETE_MINING_6472	Strata behaviour during different stages of mechanized depillaring operations: An Indian case study Manthri Rakesh, A. K. Dash (<i>NIT Raipur, Chhattisgarh, India</i>)
ICETE_MINING_5015	Investigation of Stress Distribution on Dragline Bucket in Opencast Coal Mines Sathish Kumar Mittapally, A. Akhila Sahithi, Harish Kairamkonda (<i>Osmania University, Hyderabad</i>)
ICETE_MINING_593	An Investigation of Spontaneous Heating and Control of Fires in a Under Ground Coal Mine Segmented Area D Kotaiah, Chitti Ravi Kiran (<i>University college of Engineering, Kakatiya University, Kothagudem</i>)

DAY 3 - 30th APRIL 2023	
08.30 am to 9.30 am	Registration at Main Building, UCE, OU
9.30 am to 10.15 am	KEYNOTE ADDRESS – 4 LEVERAGING IOT TO ENHANCE WATER USE EFFICIENCY IN AGRICULTURE Dr Srinivasulu Ale Texas A&M University AgriLife Research Center, Vernon, USA Venue: Assembly Hall, UCEOU
10.15 am to 11.00 am	KEYNOTE ADDRESS – 5 CUSTOM MEDICAL DEVICE DESIGN IN HEALTHCARE & MEDICINE Prof. Dominic Eggbeer Prof. of Healthcare Applications of Design Cardiff Metropolitan University, Cardiff, UK Venue: Assembly Hall, UCEOU

11.00 am - 11.30 pm	Tea Break
1.00 pm to 2.00 pm	Lunch Break