



NATIONAL CONFERENCE ON **SUSTAINABLE SOLUTIONS FOR COMMUNITY SERVICES THROUGH ENGINEERING PROJECTS - 2024** (NCSSCSTE - 2024)

Organizing by
Department of Computer Science and Engineering

CONFERENCE DATES: MARCH 22-23, 2024

About University:

KL Deemed to be university was established in 1980-81, as KL College of Engineering, which was upgraded to KL College of Engineering Autonomous in 2006 by UGC, and was declared as a Deemed to be University in 2009 by UGC, MHRD Govt. of India. In 2018, university got accredited by NAAC with A++ grade. In 2019 UGC, MHRD declared this institution as Category I Institute. The first off-campus (KLH), has come up in 2018 at Aziznagar Road, Hyderabad. KL Deemed to be University offers outstanding undergraduate, postgraduate and doctoral programmes in engineering and management streams from both campuses.

About the Conference:

The "National Conference on Sustainable Solutions for Community Services through Engineering Projects-2024" where innovators, researchers, students and practitioners converge to explore cutting-edge strategies for addressing pressing societal challenges. Through dynamic presentations, workshops, and discussions, discover how engineering projects can drive sustainable change and enhance community services. Engage with experts across diverse fields to delve into topics such as environmental sustainability, social impact, community engagement, and cross-sector collaboration. Together, let's harness the power of engineering to create lasting solutions that empower communities and build a brighter future for all.

TRACKS

► Smart Cities and Sustainable Urban Development

- Innovative engineering solutions for creating smart and sustainable cities.
- Integration of technology for urban planning and resource management.

► Health Tech for Underserved Communities

- Use of technology in healthcare projects for communities with limited access.
- Telemedicine and remote healthcare solutions for rural areas.

► Renewable Energy Innovations

- Novel approaches in harnessing renewable energy for community development.
- Sustainable energy solutions for off-grid and remote areas.

► Digital Inclusion and Connectivity

- Bridging the digital divide through community-driven projects.
- Initiatives to provide internet access and digital literacy in underserved regions.

► Humanitarian Engineering for Crisis Response

- Engineering solutions for disaster response and recovery.
- Technologies for supporting refugees and displaced populations.

► Innovative Educational Initiatives

- Technology-driven approaches to enhance STEM education in communities.
- Creative solutions for promoting lifelong learning and skill development.

► Water and Sanitation Innovations

- Engineering projects for clean water access and sanitation improvement.
- Water conservation and management solutions.

► Community-Driven Climate Change Adaptation

- Engineering projects addressing the impacts of climate change on communities.
- Sustainable adaptation strategies for vulnerable regions.

► Open-Source Hardware and Software Solutions

- Development of open-source technologies for community projects.
- Collaborative engineering through open-source platforms.

► Data Analytics for Community Impact

- Use of data analytics to measure and optimize the impact of community projects.
- Data-driven decision-making in community service engineering.

► Human-Centered Design in Engineering

- Applying human-centered design principles to engineering projects.
- Design thinking for creating solutions that meet community needs.

► Social Entrepreneurship and Community Empowerment

- Innovative business models for social impact through engineering.
- Entrepreneurial solutions for sustainable community development.

► Interdisciplinary Collaborations

- Collaborative projects involving multiple engineering disciplines.
- Integration of engineering with social sciences, arts, and humanities for holistic solutions.

► Robotics and Automation for Social Good

- Applications of robotics and automation in community service projects.
- Assistive technologies for individuals with disabilities.

► Ethical Considerations in Community-Engaged Engineering

- Discussions on the ethical implications of engineering projects in communities.
- Balancing innovation with social responsibility.

TENTATIVE SCHEDULE

Day 1: 22/03/2024

- Morning: Registration and Opening Ceremony
- Afternoon: Keynote Sessions and Track Presentations

Day 2: 23/03/2024

- Morning: Keynote Sessions, Workshops, and Poster Presentations
- Afternoon: Project Showcases and Closing Remarks

IMPORTANT DATES:

Full Paper Submission

March 5th 2024

Acceptance Notification

March 8th 2024

Camera Ready

March 12th 2024

Early Registration

March 15th 2024

Conference Date Spot Registration

March 22-23, 2024

Send the paper/prototype concept to ncsscste@klh.edu.in

www.klh.edu.in/ncsscste

REGISTRATION FEE

Participation

Student

500/-

Faculty

1000/-

Industry

1500/-

Publication fee is as per the Journal.

All selected papers will be published in the Scopus Indexed Journal and also in Conference Proceedings.

CHIEF PATRONS

Er. K. Koneru Satyanarayana

President, KLEF

Er. K. L. Havish

Vice-President, KLEF

Er. K. Raja Harin

Vice-President, KLEF

CO-PATRONS

Dr. K S Jaganatha Rao
Pro Chancellor, KLEF

Dr. G.P. Saradhi Varma
Vice Chancellor, KLEF

Dr. N. Venkatram
Pro Vice-Chancellor, KLEF

Dr. A.V.S.Prasad
Pro-Vice Chancellor, KLEF

Dr. K Subba Rao
Registrar, KLEF

Dr. Ramakrishna Akella
Principal, KLEF

Convenor

Dr. M.Saidireddy, Associate Professor, EPICS Coordinator, KLH

Conference Chair

Dr. Arpita Gupta, Associate Professor, HoD, CSE, KLH

Dr. Sandeep Chitreddy, Associate Professor, HoD, AI&DS, KLH

Dr.M.Goutham, HOD, Professor, ECE, KLH

Co-Convenor

Mr D.Vijay Kumar, Assistant Professor, EPICS member, KLH

Dr. G. Madhukar Rao, Assistant Professor, Dept of CSE, KLH

Dr. Subhranginee Das, Assistant Professor, Dept of CSE, KLH

Dr.P.Vishala, Assistant Professor, Dept of AI&DS, KLH

PROGRAM COMMITTEE MEMBERS

Technical Committee

Dr. K. Srinivas, Professor, Dept of CSE, KLH

Dr. Lalitha Surya Kumari, Professor, Dept of CSE, KLH

Dr. D. Srinivas Rao, Professor, Dept of CSE, KLH

Dr. S. Balaji, Professor, Dept of CSE, KLH

Dr. N Rama Rao, Professor, Dept of CSE, KLH

Dr P Ganga Mohan, Associate Professor, Dept of CSE, KLH

Organising Committee

Dasari Anantha Reddy, Assistant Professor, Dept of CSE, KLH

Dr. Sai Sudha Gadde, Assistant Professor, Dept of CSE, KLH

Dr. Rajib Debnath, Assistant Professor, Dept of CSE, KLH

Dr. Shadab Siddiqui, Assistant Professor, Dept of CSE, KLH

Dr. Shahin Fatima, Assistant Professor, Dept of CSE, KLH

Dr. Subhranginee Das, Assistant Professor, Dept of CSE, KLH

Dr. G. Madhukar Rao, Assistant Professor, Dept of CSE, KLH

Dr. Figlu Mohanty, Assistant Professor, Dept of CSE, KLH

Mr. Vijendra Kulkarni, Admin Dept, KLH

Dr. Kakali Das, Assistant Professor, Dept of CSE, KLH

Dr.P.Vishala, Assistant Professor, Dept of AI&DS, KLH

Dr. Sreedhar G, Associate Professor, Dept of FED, KLH

Dr.Charandhar N, Assistant Professor, Dept of FED, KLH

Dr. Moon Banerjee, Associate Professor, Dept of FED, KLH

Mrs. Madhavi Guttikonda, Assistant Professor, Dept of ECE, KLH

Mr.V. Raghuram, Admin Dept, KLH

Ms. T. Sai Pallavi, Admin Dept, KLH

Website & Conference Portal

Dr K Srinivas, KLEF | **Venkat Ramana Reddy**, KLEF

Publicity Committee

Mr D Vijay Kumar, KLEF | **Dr. Subhranginee Das**, KLEF

Advisory Committee

Mohd Helmy Abd Wahab, Visiting Research Fellow at Center of Excellence in Advanced Computing, Universiti Malaysia Perlis

Dr. Shukor Sanim Mohd Fauzi, Assoc. Prof. Ts., Deputy Rector of Research and Industrial Linkages, Universiti Teknologi MARA, Perlis Branch, Arau Campus, 02600, Arau, Perlis, MALAYSIA

Dr. Dhananjay Singh, Full Professor/Electronics Engineering Department, Former Head/Global Division of Information Technology, Hankuk(Korea) University of Foreign Studies(HUFS)

Mr M Kanthareddy, Adjunct Director of EPICS India

Dr. Syed Imtiyaz Hassan, Associate Professor, Department of CS&IT, Maulana Azad National Urdu University (Central University), Hyderabad

Dr. Chandreyee Chowdhury, Associate Professor at Jadavpur University, Kolkata, West Bengal, India

Dr. Rajeev Sangal, Professor, IIT Hyderabad.

Dr. V. Ravi, Professor. IDRBT, Hyderabad

Dr. Ramesh Loganathan, Professor, IIT Hyderabad.

Dr. Venkatesh Choppella, Associate Professor, IIT Hyderabad.

National Advisory Committee

Mr M Kanthareddy, Adjunct Director of EPICS India

Dr. Syed Imtiyaz Hassan, Associate Professor, Department of CS&IT, Maulana Azad National Urdu University (Central University), Hyderabad

Dr. Chandreyee Chowdhury, Associate Professor at Jadavpur University, Kolkata, West Bengal, India

Dr. Rajeev Sangal, Professor, IIT Hyderabad.

Dr. V. Ravi, Professor. IDRBT, Hyderabad

Dr. Ramesh Loganathan, Professor, IIT Hyderabad.

Dr. Venkatesh Choppella, Associate Professor, IIT Hyderabad.

Call for Papers and Prototypes

We invite submissions of abstracts for papers and prototypes addressing topics related to EPICS, community engagement, and sustainable development. Share your insights and contribute to the collective knowledge of community-driven engineering projects.

CONTACT

Mobile: +919963850858 | Email: ncsscste@klh.edu.in | Web: www.klh.edu.in/ncsscste