



# 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

Acceptance Notification

Camera Ready

Early Registration

Conference Date Spot Registration

March 5th 2024

March 8th 2024

March 12th 2024

March 15th 2024

March 22-23, 2024

Send the paper/prototype concept to [ncsscste@klh.edu.in](mailto:ncsscste@klh.edu.in)

[www.klh.edu.in/ncsscste](http://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.

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

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### 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