

Centre for Engineering Education Research

KLE Tech is playing the vital role of creating an engineering education system that offers students opportunities to realise their potential and prepare themselves for a professional career. These initiatives include designing industry-relevant curriculum, practising active, collaborative, experiential learning pedagogies, assessment and evaluation.

KLE Tech is recognised for innovations in this space. Learning from these innovations and sustaining them resulted in establishing the Centre for Engineering Education Research (CEER). CEER was established in 2010 to promote engineering education innovations, learn from these innovations, collect best practices and institutionalise them.

Vision: To promote innovation and research in Engineering Education to bring about a qualitative change in students' learning experience.

CEER works with the following objectives:

1. Empower faculty members with the best practices in curriculum design, teaching-learning and assessment through training, workshop and allied activities
2. Encouraging innovation in curriculum design, teaching-learning and assessment
3. Influence faculty mind-sets to recognise the importance of research-driven instructional practices
4. Design and offer innovative courses and programs
5. Identify and build strategic global partnerships and collaborations to elevate our research capabilities and those of the wider engineering education community
6. Conduct outreach activities like workshops, training and conferences.

The processes and practices towards accomplishing these objectives have made significant contributions to enriching the University's engineering education ecosystem. The number of engineering education research publications is growing steadily over the last five years. CEER has earned a respectable position among the practitioners of engineering education. Many Engineering Colleges in India have taken inspiration. They have set up such centres in their respective Institutions taking best practices and courses from.

CEER empowers faculty members through faculty induction training, advanced pedagogy training and domain-specific training. The faculty induction training is conducted for new faculty members. It focuses on the theory and practises of Outcome-based education which includes assessment and effective teaching methods. CEER encourages pedagogical innovations and provides a platform for faculty members to showcase the same through an annual event, Faculty Conclave. This event facilitates the exchange of ideas and practices across the various schools and departments of the University. It focuses on Curriculum Innovation Outcomes Assessment, Experiential Learning, and Pedagogies in Engineering Education, Research Experiences, Entrepreneurship and Industry – Institute Collaboration, Post Graduate Program Experiences, Technology Enhanced Learning & MOOC Experiences and PBL experiences.