



KSR College of
Engineering
AN AUTONOMOUS INSTITUTION

NAAC
ACCREDITED **A++**
NBA
ACCREDITED
PROGRAMMES



25
Years
KSRCE
2001 - 2026
Celebrating
Academic Excellence

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

TS **TESSOLVE**
A Hero Electronix Venture

Centre of Excellence
On
“VLSI Design”

Tessolve Semiconductor
Private Limited

Vision

To become a leading center for developing future-ready professionals in VLSI Design by advancing the use of Artificial Intelligence in networking, enabling the creation of smart, autonomous campuses that are secure, efficient, and adaptable.

Mission

Our mission is to bridge the gap between industry and academia by equipping students and faculty with state-of-the-art infrastructure, expert mentorship, and a comprehensive curriculum focused on VLSI design. We are committed to empowering the next generation of engineers with the practical skills and innovative mindset required to design, analyze, and optimize modern integrated circuits and semiconductor systems.

Objectives





- To bridge the gap between industry and academia by aligning curriculum and training with current semiconductor industry practices.
- To provide hands-on experience in VLSI design, testing, and semiconductor product engineering using industry-standard tools and methodologies.
- To develop skilled engineers through specialized training programs, workshops, and certification courses conducted with industry experts.
- To promote research and innovation in areas such as chip design, verification, and embedded systems.
- To enable students to work on real-world problem statements and industry-driven projects.



Tessolve Semiconductor Pvt Ltd
A Hero Electronix Venture

CENTRE OF EXCELLENCE (COE)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CENTRE OF EXCELLENCE (COE)

- Strengthen Industry–Institute Collaboration
- Next-Gen VLSI Excellence Hub
- Provide Hands-on Training in VLSI & Semiconductor Technologies
- Promote Internship & Career Opportunities



TSSOLVE
A Hero Electronix Venture



Tessolve Semiconductor Pvt Ltd
Centre of Excellence (COE)

**DEPARTMENT OF ELECTRONICS
AND COMMUNICATION ENGINEERING**