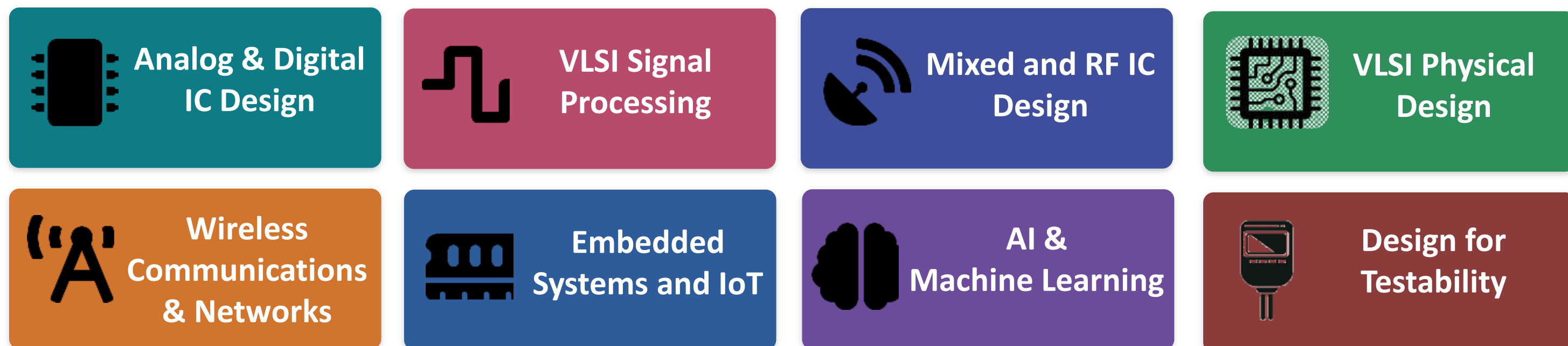


Research Excellence • Innovation • Industry Collaboration

The Research Centre of the Department of ECE fosters a vibrant ecosystem of research, innovation, and interdisciplinary collaboration across VLSI Design, Embedded Systems, Artificial Intelligence, IoT, Wireless Communications, Signal Processing, RF Engineering, and Semiconductor Technologies anchored by 23 faculty with dedicated VLSI expertise - translating funded research into publications, patents, and industry-ready technologies.

RESEARCH FOCUS AREAS

Emerging domains driving the Centre's research agenda



RESEARCH STRENGTH & SPONSORED RESEARCH

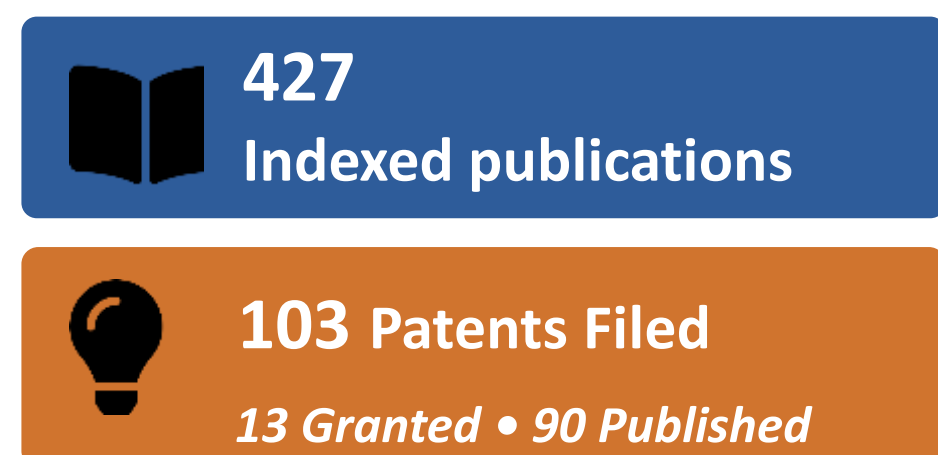
A robust ecosystem of people, infrastructure and funded research



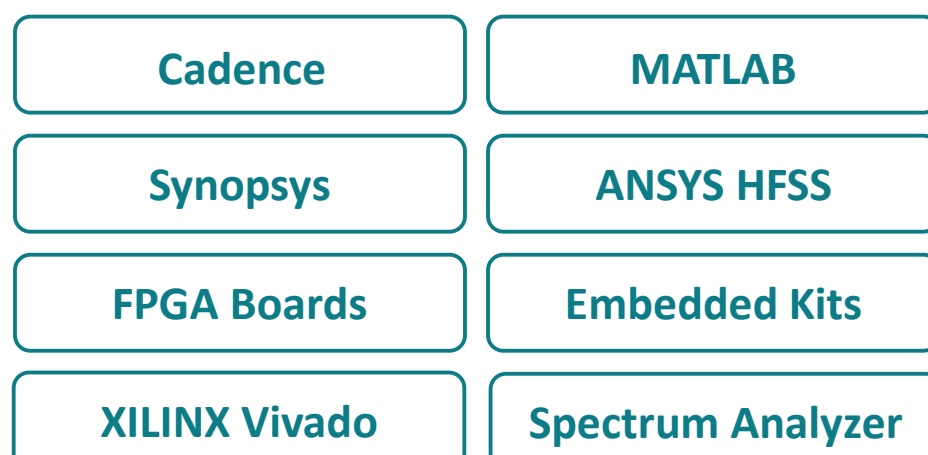
Strong, self-sustaining research ecosystem supporting doctoral research and sponsored projects

RESEARCH OUTCOMES, INFRASTRUCTURE & COLLABORATIONS

RESEARCH OUTCOMES



RESEARCH INFRASTRUCTURE



INDUSTRY COLLABORATIONS

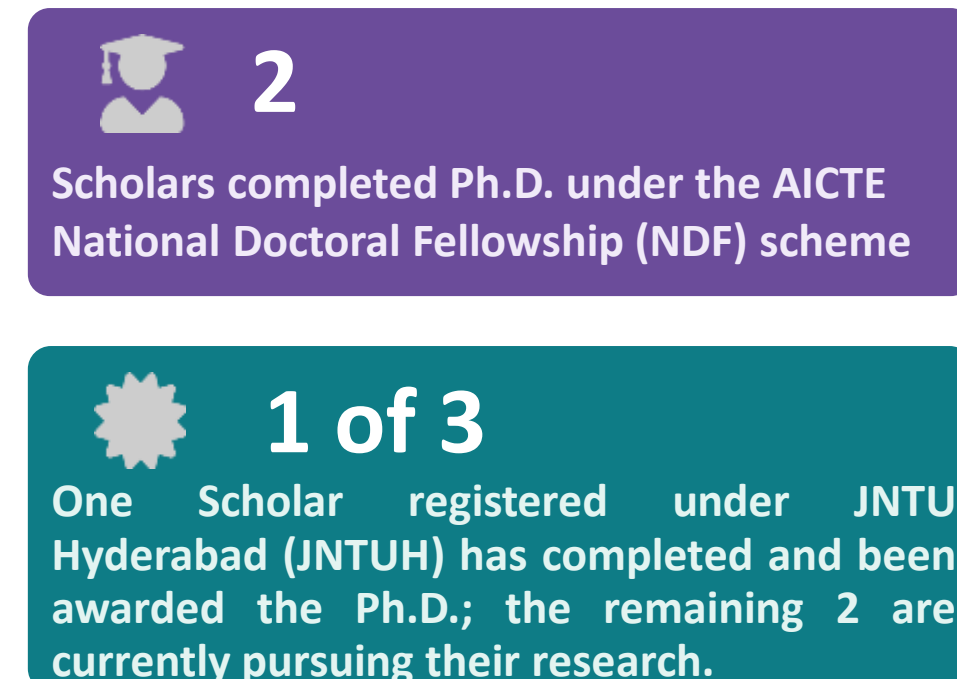


SIGNIFICANT FUNDED R&D PROJECTS & PH.D. SCHOLAR OUTCOMES

SIGNIFICANT FUNDED PROJECTS

All-weather Image Enhancement & Object Detection for Drone/Armoured Vehicle Imagery DRDO (DIA-CoE, IIT Hyderabad)	₹130.74 L
STI Hub for Scheduled Tribe Community, Kowdipally, Medak DST / SEED	₹86.80 L
Night Vision Imaging LIDAR & Laser-3D Imaging System ER & IPR, DRDO	₹71.28 L
GNSS Receiver Design & Implementation in Zynq SoC Ananth Technologies Pvt. Ltd.	₹8.00 L
IP Core Development of MIL STD 1553 for RT and MT terminals Ananth Technologies Pvt. Ltd.	₹4.24 L

PH.D. SCHOLAR OUTCOMES



RESEARCH IMPACT

From discovery to deployment — a continuous cycle of value creation



VLSI System Design - Sustained Commitment to Innovation

The Centre continues to translate funded research into publications, patents and industry-ready technologies — building a strong pipeline of Ph.D. scholars and research outcomes for VNR VJiet.