

National Webinar
Low Power VLSI Design Challenges :A view
On
Saturday, March 16, 2024 – 2.00PM to 3.30 PM
By
Dr. M Kamaraju
Professor – ECE & Director (AS&A)
Seshadri Rao Gudlavaluru Engineering College – A.P., India

KONERU LAKSHMAIAH EDUCATION FOUNDATION

KLEF 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 2012 as a Deemed to be University the institution was accredited by NAAC with A Grade and later in 2018, was re-accredited by NAAC with A++ grade. In 2019 UGC, MHRD declared this institution as Category I Institution. The institution remains indebted to leadership of our late co-founder Er. Koneru Lakshmaiah, and our Founder Er. Koneru Satyanarayana, both of whose vision has helped in creating this abode of learning, which has emerged as one of the elite institutes of the nation.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Established in the year 1983, the Department of ECE enjoys the support of 248 distinguished faculty members, specialized in core areas of ECE. 87 out of them have PhD degrees and 121 they are pursuing PhD. The department houses faculty that has rich industry experience to cater to the industry and academic needs of the students. With the state-of-the-art laboratories, Centers of Excellence and Research Centers, the department of ECE is equipped with the sophistication of the highest order to meet the needs of our UG, PG and PhD students.

With a special emphasis on R&D activities, we have placed all the latest software tools available to the students to explore beyond the curriculum and experiment on innovative ideas. The Department has 136 million (13.65 Crore) worth of Sponsored projects from DST, DLRL, ISRO, DEAL etc. Our faculty has published research in 3000+ International Journal, 600+ International Conference papers and 150+ National Conference.

VLSI & MICROELECTRONICS RESEARCH GROUP

Started in the year 2011 by Dr. Fazal Noorbasha, The VLSI & Microelectronics Research Group within the ECE (Electronics and Communication Engineering) department focuses on advancing microelectronics technology through research in integrated circuit design, semiconductor device physics, and system-level integration. Collaborating with industry partners and utilizing state-of-the-art facilities, the group investigates topics such as low-power design, emerging technologies, and design automation. Through publications, conferences, and educational initiatives, it contributes to both theoretical knowledge and practical applications in areas like telecommunications, healthcare, and automotive electronics. Funded by grants and industry contracts, the group plays a pivotal role in shaping the future of VLSI and microelectronics, bridging academia and industry for innovation and technological advancement.

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OVERVIEW OF THE WEBINAR

In this technical webinar, we will review the latest technologies in the VLSI design and explain how they are leveraged with the Software/Hardware. These technologies widely used in the Digital, Analog, Mixed Signal fields and more, where high real time performance, reliability and safety is required.

TARGET AUDIENCE

For those who want to acquire basic knowledge on the various Low Power VLSI designs and seeking help in getting prepared for industry and research.

Registration Link:

<https://forms.gle/eAw8fayWP9Qpj4YA>

Webinar Link:

<https://meet.google.com/avs-yits-mnu>

Organized by:

VLSI & Microelectronics Research Group,
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