VLSI Day at PES University, RR Campus

In collaboration with VLSI Society of India (VSI)

1. **Thrust Area: -** Advances in Building Blocks of System on Chip (SoC) for Network Edge, Auto and AI Centric applications.

2. **Brief Description: - VLSI Day** covers advances in different dimensions of System on Chip (SoC) designs used across Network Edge, Auto & AI centric applications. There would be a session targeted for students focussing on their job opportunities landscape covering all the above thrust areas. The major topics covered include power management aspects of SoC's used in edge applications, Security issues in SoC's, High speed data links and Processor design aspects.

3. **Target Audience: -** UG and PG students, Ph.D Scholars and Faculty from Dept. of ECE, EEE & CSE.

4. **Objectives: -**

   a. To bring together industry and academic professionals in the area of SoC Designs in all the above applications and in important areas of processor design, power management and security.
   b. Share experiences and initiate efforts towards highlighting trends and opportunities in chip design.
   c. To familiarize the participants on advancements in this sector

5. Program Details: -

Date	Time	Particulars
02-03-2024	9:30 AM to 9:50 AM	Inauguration: Welcome address by PES & Lamp lighting
	9:50 AM to 10:10 AM	Industry Keynote by Malini Narayanamoorthi, Country Head – Renesas India.
	10:10 AM to 10:30 AM	Industry Keynote by Hitesh Garg, Country Head – NXP India
	10:30 AM to 10:55 AM	Inaugural Address by Dr. Satya Gupta (President, VLSI Society of India)
	11:00AM to 11:30 AM	Open house – Q & A session : Malini, Hitesh Garg, Dr Satya Gupta and Chitra Hariharan
	Coffee Break	
	12:00 PM to 12:45 PM	Keynote by Utsav Banerjee, IISc. Topic: Hardware Security
	12:45 PM to 1:30 PM	Keynote by K. R. Viveka, IISc Topic: High speed digital design
	Lunch	
	2:00 PM to 2:30 PM	Keynote by Indranil Hatai, MATLAB Topic: FPGA Design in MATLAB Ecosystem
	2:30 PM to 3:00 PM	Keynote by N. Prasad, AMD. Topic: Network on Chips
	3:00 PM to 3:30 PM	Valedictory

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