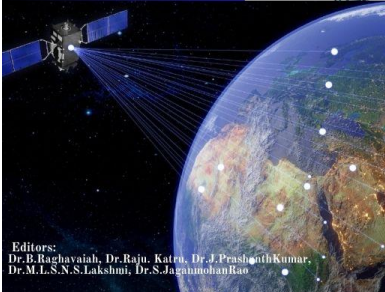


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NCVT SPARC 2024  RAMACHANDRA COLLEGE OF ENGINEERING AUTONOMOUS Volume - I, Decemeber -2024 Proceedings of a National level Conference on Innovations and Advancements in VLSI, IoT, Signal Processing, Automation, and Radar Communication Organized by Department of Electronics and Communication Engineering Ramachandra College of Engineering (A) Eluru Andhra Pradesh  ISBN: 978-81-981763-4-9  Editors: Dr. B. Raghavaiah, Dr. Raju. Katru, Dr. J. Prashanth Kumar, Dr. M. L. S. N. S. Lakshmi, Dr. S. Jaganmohan Rao	Proceedings of a National level Conference on Innovations and Advancements in VLSI, IoT, Signal Processing, Automation, and Radar Communication The National Level Conference on Innovations and Advancements in VLSI, IoT, Signal Processing, Automation, and Radar Communication brought together academicians, researchers, industry professionals, and students to share and discuss groundbreaking advancements in these interdisciplinary domains. The conference served as a platform for participants to exchange ideas, present innovative research, and explore the practical applications of cutting-edge technologies in fields critical to modern engineering and technology development. The proceedings encapsulate the key highlights of the conference, including technical papers, keynote addresses, and panel discussions. These contributions covered a wide range of topics, such as the latest trends in VLSI design and fabrication, IoT-enabled smart systems, advancements in signal processing algorithms, automation in industrial applications, and innovations in radar communication technologies. Each submission underwent rigorous peer review to ensure the inclusion of high-quality, original research with a significant contribution to the field. The conference proceedings aim to provide a comprehensive reference for ongoing research and development. They feature insights into emerging technologies, case studies demonstrating real-world applications, and theoretical advancements that bridge the gap between academia and industry. Key themes include low-power VLSI design techniques, IoT frameworks for smart cities, adaptive signal processing for communication systems, AI-driven automation, and advanced radar systems for defense and civilian purposes. These proceedings are a valuable resource for professionals and researchers seeking to stay informed about the latest trends and challenges in VLSI, IoT, signal processing, automation, and radar communication. By fostering collaboration and knowledge sharing, the conference and its proceedings contribute to the growth and innovation within these fields, laying the groundwork for future technological advancements. Scan this QR Code to visit us  Published by: The Institute for Innovations in Engineering and Technology (IIEET) www.iieet.com contact@iieet.com ISBN 9781981763449 	Editors: Dr. S. Jaganmohan Rao Professor, Electronics & Communication Engineering, Ramachandra College of Engineering, Eluru, AP-534007 Dr. J. Prashanth Kumar Professor, Electronics & Communication Engineering, Ramachandra College of Engineering, Eluru, AP-534007
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