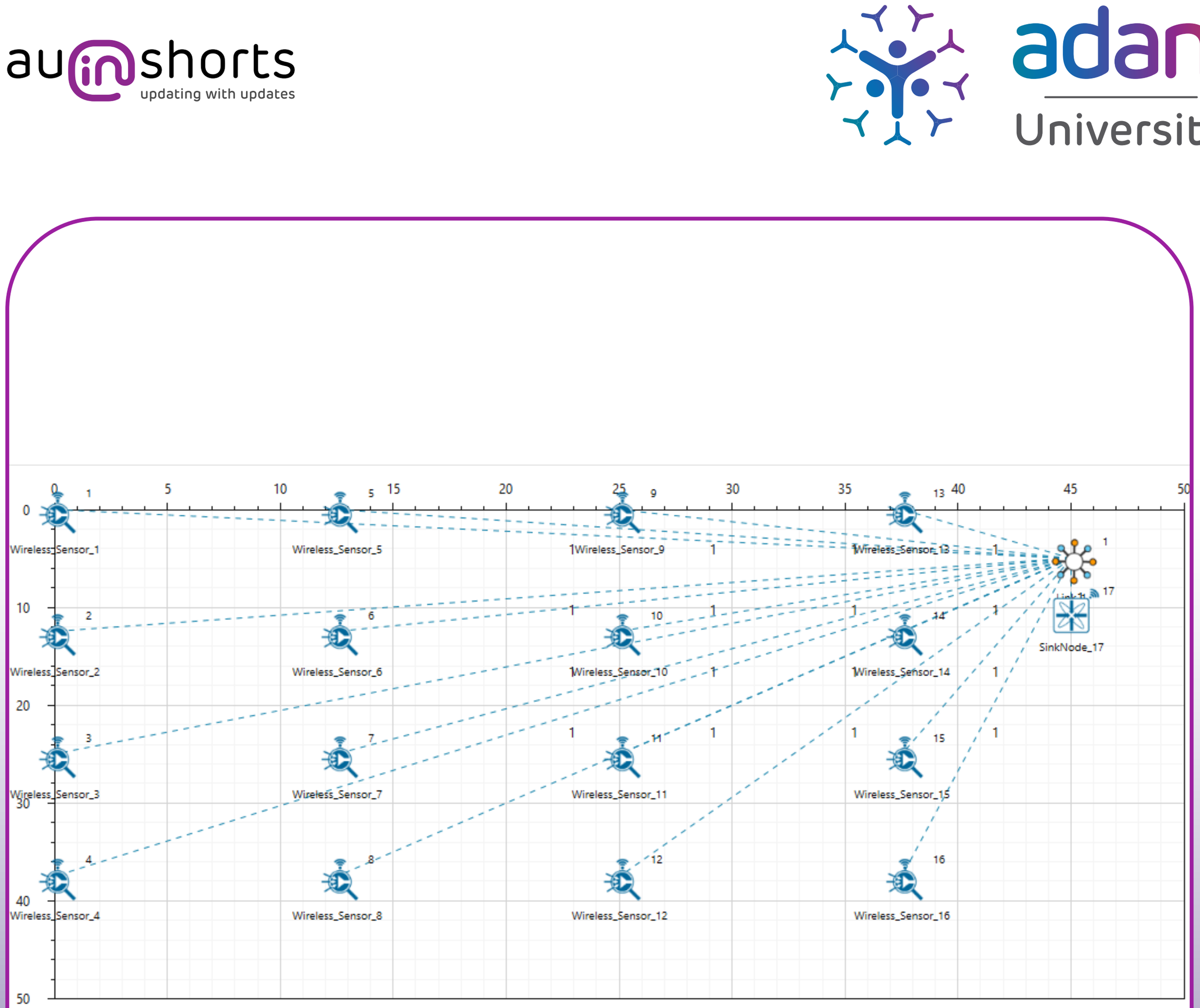


March 29, 2025

Establishment of Computer Network laboratory equipped with NetSim

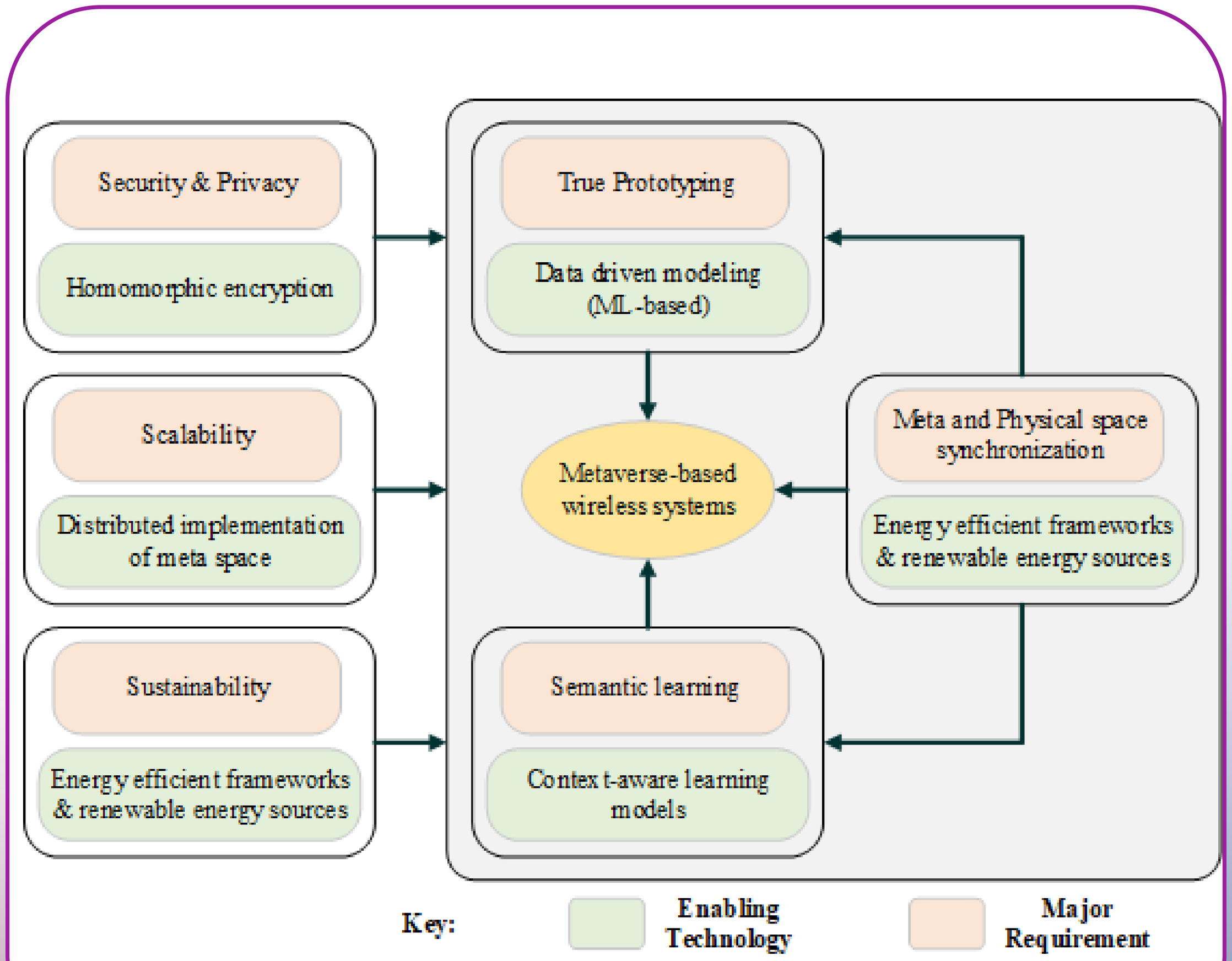
Faculty of Engineering Sciences and Technology (FEST) has established a state-of-the-art Computer Network laboratory equipped with NetSim, Wireshark, and Cisco configuration tools. NetSim provides advanced simulation capabilities, supporting research in IoT, Drone Technology, Wireless Sensor Networks (WSN), Data Center Networks (DCN), and Software-Defined Networking (SDN). The laboratory enables faculty to analyze network performance and develop innovative protocols. It provides undergraduate students with hands-on experience in networking, routing, and cybersecurity.

adaniuni.ac.in

March 29, 2025

Insightful Talk on Electric & Hybrid vehicles

Dr. Subhanarayan Sahoo was invited to deliver an insightful talk on "Electric & Hybrid Vehicles: Advancements and Future Prospects" at Kashi Institute of Technology, Varanasi. During the talk, he discussed the rapid growth of electric mobility technology, which has paved the way for a cleaner and more sustainable transportation system. However, according to Dr. Sahoo, to fully harness the potential of EVs, there is a need for intelligent systems that can optimize their performance, enhance user experience, and address various challenges associated with electric mobility.



March 29, 2025

Book Chapters Published in Advanced Wireless Communication Techniques for the Metaverse

Dr. Webert Montlouis, Dr. Ashish Goswami (FEST-Faculty), Dr. Agbotiname Lucky Imoize contributed two chapters to the book ‘Advanced Metaverse Wireless Communication Systems’. The first chapter titled "Advanced Wireless Communication Techniques and the Metaverse", explores the vital role of propagation control technology in the metaverse ecosystem, highlighting its contributions to content management, moderation, privacy enforcement, security enhancement, and resource allocation. The second chapter, "Key Enablers of Metaverse Wireless Communication", explores essential factors for metaverse connectivity, including high-speed networks, low latency, spatial computing, interoperable standards, and security & privacy in wireless communication.

Chapter 1 **Chapter 2**

adaniuni.ac.in

March 29, 2025

Mr. Debapriya Mukherjee Explores Hydrogen Blending at India Energy Week 2025

Mr. Debapriya Mukherjee (PhD Scholar and Sr. Manager at Adani Total Gas), working under supervision of Prof. Sunil Jha and Dr. PLS Rao (GERMI), delivered a compelling talk on hydrogen blending in natural gas infrastructure at India Energy Week 2025. Drawing from his expertise in India's largest in-situ Hydrogen Generation and Blending Project, executed by Adani Total Gas, Mr. Mukherjee shared valuable insights on hydrogen's potential as a clean energy carrier. His presentation explored the feasibility of blending hydrogen with natural gas, paving the way for a more sustainable energy future.