

January 11, 2025

Research Publication in Q1 Journal (Built Environment Project and Asset Management)

Dr. Kailash Choudhary, **Dr. Gourav Gill (Faculty-FEST)**, Dr. Narpat Ram Sangwa, Dr. Bhavesh Sarna has published a research paper entitled "Utilizing Copper Tailings as a Sustainable Alternative to Conventional Structural Filling Materials: LCA Analysis," in Built Environment Project and Asset Management Journal. The study explores copper tailings mining byproducts as an eco-friendly and cost-effective replacement for traditional construction materials. Through a comprehensive Life Cycle Assessment (LCA), the research highlights the environmental benefits, including reduced carbon footprint for sustainable construction practices and offers innovative solutions to material scarcity and environmental challenges.

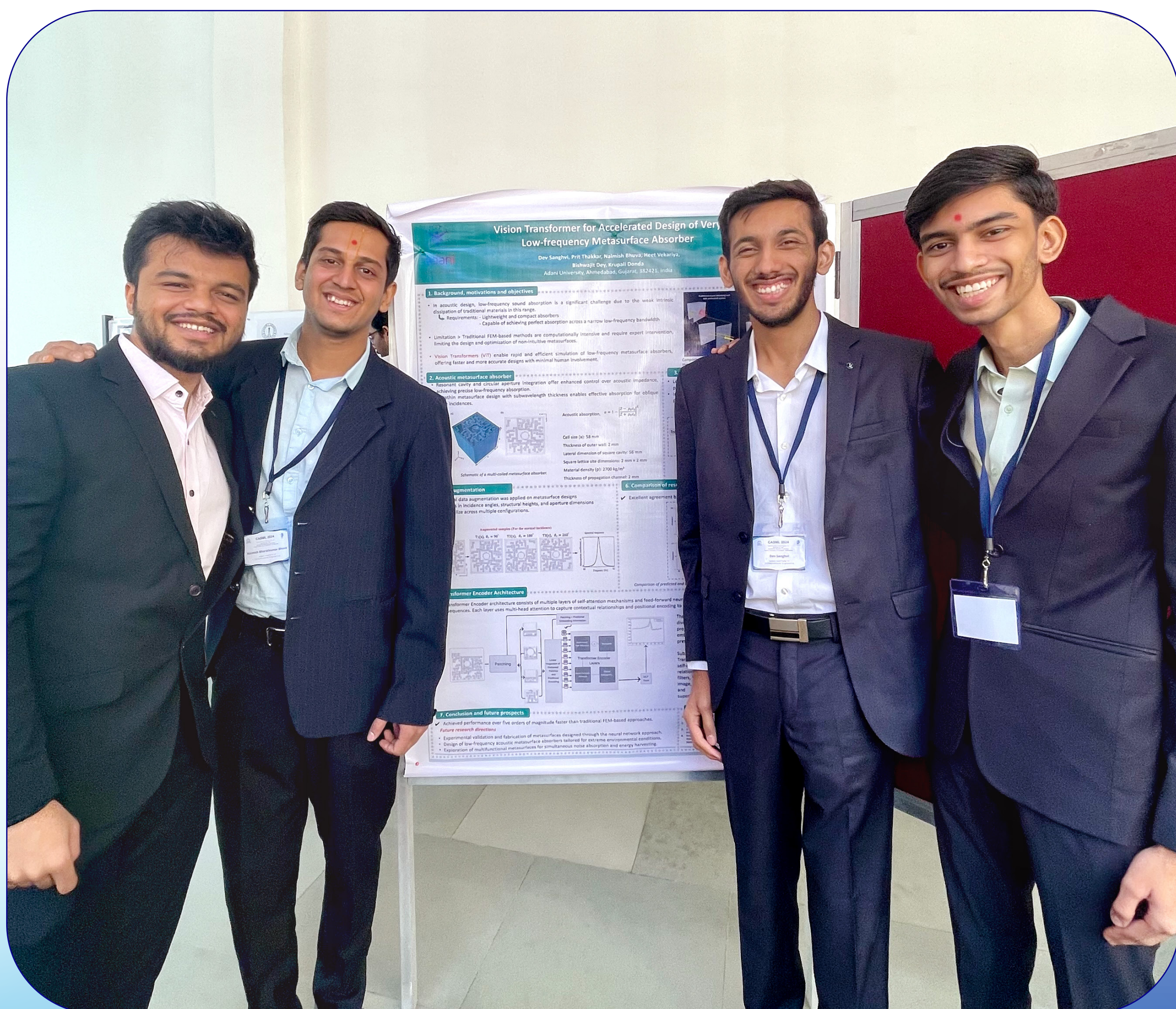
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Academic Collaboration and Discussion at ACM India Chapter Summit 2024

Dr. Vaishali Chourey, representative of ACM-W Chapter and Dr. Nikita Joshi, representative of ACM Student, (FEST-Faculty) were invited to attend the ACM India Chapter Summit 2024 event hosted by RVCE and BMSCE in Bangalore. The event provided an excellent platform for academic discussion and featured insightful talks on Artificial Intelligence and Machine Learning. Additionally, both faculties had the opportunity to plan collaborative student activities with other ACM chapters across different regions of India, strengthening ties and fostering future collaborations.



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Research Presentation on Vision Transformer for Metamaterial Design

Mr. Dev Sanghvi, Mr. Heet Vekariya, and Mr. Naimish Bhuvra (FEST-Students) along with faculty mentor (Dr. Krupali Donda) have presented their research work titled "Vision Transformer for Accelerated Design of Very Low-Frequency Metasurface Absorber" at the International Conference on Applied AI and Scientific Machine Learning at IISc, Bangalore. The research leverages modern deep learning architectures to accelerate the design process of metamaterial. The implemented model outperforms classical FEM simulations and enables efficient inverse design methodologies.



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Management Development Programme on **Finance for Non-Finance professionals**

The Centre for Continuing Education (CCE) successfully conducted the 6th batch of a 2-day Certificate Program on Finance for Non-Finance Professionals led by Dr. Riya Mehta. The program aimed to enhance financial literacy among professionals from diverse sectors. Participants, including professionals from various business units of the Adani Group, gained a comprehensive understanding of key financial concepts, empowering them to make informed decisions within their roles. This initiative equipping non-financial professionals with essential finance knowledge, thereby supporting their career advancement and growth.