



September 06, 2025

Research Publication in IEEE Transaction (Q1 Category)

X. Zhang, R. Jiang, W. Sun (International Collaborators), and **Prof. Dr. Sunil Jha (Dean Research & FoS)** have published a research paper entitled "FPGP: Increasing Robustness of Flow-based Watermarking to Unknown Noise through Feature Preservation and Gradient Perturbation" in IEEE Transactions on Circuits and Systems for Video Technology (**Impact Factor 11.1, Q1 Category**). A network has been suggested to preserve features by learning auxiliary variables from noisy images and aligning them with the property of the lost information to improve the robustness of watermarking extraction. Additionally, an unknown method for generating noise images based on gradient perturbation has been developed. **Read more** [🔗](#)



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Expert Session: Earthquake Resistant Design of RC and Prestressed Concrete Structures

Department of Civil and Infrastructure Engineering conducted an expert session on “Earthquake Resistant Design of Modern RC and Prestressed Concrete Structures and Bridges” for UG and PG students. Dr. Praveen Kumar Gupta, faculty at the National Forensic Sciences University (NFSU), Gandhinagar, served as the keynote speaker. He elaborated on key I.S. code provisions and addressed challenges in designing earthquake-resistant buildings, especially those with irregular plans. The session also covered advanced design aspects of prestressed concrete structures, including post-tensioned girders, offering valuable insights into seismic resilience and structural safety.



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Brig. (Retd.) Neil John Inspires with Insights on Dharavi Redevelopment

Faculty of Management Sciences hosted Brigadier (Retd.) Neil John from Adani's Navbharat Mega Developers Pvt. Ltd to deliver a talk to the urban and real estate students. He shared insights on the Dharavi Redevelopment Project, emphasizing the purpose of profit generation and socio-economic upliftment of society. Brig. John explained highlighted Dharavi's \$1 billion informal economy, the need for stakeholder collaboration, and challenges like land disputes. He emphasized the vision for better infrastructure, housing, and facilities. His inspiring message on discipline, resilience, and inclusive development encouraged students to see urban growth to uplift society.



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Literary and Cultural Clubs Introduced with Student Performances and Jamming Session

The Literary Club and Rangved were introduced to the students of Integrated Programs through the Cultural Club organized by Dr. Ashita Thakur and Dr. Sanra R. They presented the clubs and potential activities for the upcoming 2025-26 session before giving the podium to the student body members. The students introduced the two clubs and their offshoots, namely the teams for dance, music, and theatre. The session concluded with a jamming session.