INTERNATIONAL CONFERENCE [SUSTAINABILITY IN DESIGN, ENGINEERING AND ARCHITECTURE**]** **VENUE: ROOM NO. ML 9**

31 OCTOBER 2026 [Saturday]

TECHNICAL SESSION II (2:30-4:00 pm)- CIVIL ENGINEERING

SESSION CHAIR: Prof. Javed Alam; SESSION CO-CHAIR: Prof. Hassan Irtaza

S. No.	TRACK ID	TOPIC AND AUTHOR	
1	SDEA-2026-0149	**Pile Foundation–Soil Interaction under Combined Loading in Layered Ground Conditions: A Review** Mohammad Ashraf, Md Maroof Alam, Saad Shamin Ansari, Md Rehan Sadique	
2	SDEA-2026-0157	**A Review of Biochar's Multifunctional Role in Sustainable Soil Management** Ahmad, Mohammad Farman, Ali Faizan Warsi, Md Dilshad Khan, Mohd Salim Mahtab	
3	SDEA-2026-0161	**Geopolymer Composites for Durable and Sustainable Construction: A State-of-the-art Review** Faraz Raza, Farhan Shahid, Saad Shamim Ansari, Mohd Asif Ansari	
4	SDEA-2026-0162	**Recent Highway Failures in India: Understanding the Geotechnical Features for Sustainable Development** Mah Shazwan Faridi, Sharik Shabir Ahangar, Dr. Md. Rehan Sadique	
5	SDEA-2026-0164	**Performance of Advanced Materials in Civil Engineering: A Focus on Nanomaterials** Mohd Kumail Ashraf, Sharik Shabir Ahangar, Prof. Sabih Akhtar	
6	SDEA-2026-0180	**Developing Resource-Efficient Concrete for Sustainable Infrastructure: Interactive Effects of Fly Ash and Recycled Coarse Aggregate Replacement on Workability and Compressive Strength** Md Ruhul Amin*, Mohd Shariq**, Abdul Baqi**, and Mohd Asif Ansari*	
7	SDEA-2026-0191	**Physics-Informed Neural Radiance Field for Sustainable Underwater Infrastructure Inspection: Integration with 6-DOF AUV** Mohammad Bilal, Mohammad Ayan, Abdullah Ahmad Siddiqui, Tabish Shah Mohsin	
8	SDEA-2026-0213	**Use of Fly Ash in India: Solid Waste Management for a Sustainable Future** Peerzada Arsalan Gulzar, Afnan Sajad Padder, Md Maroof Alam	
9	SDEA-2026-0215	**Reducing the Carbon Footprint of Concrete: The Role of Recycled Aggregates from Construction and Demolition Waste** Safoora Hafeez	
10	SDEA-2026-0222	**Performance of Sustainable Self-Compacting Concrete Columns with Single- and Double-Layer Confinement** Mohd. Kashif Khan*, Syed Aqeel Ahmad*, Syed Kaleem Afrough Zaidi**	
11	SDEA-2026-0230	**Green Construction Practices: A Critical Analysis of Environmental and Economic Claims Versus Ground Reality** Laiba, Shifa Zareen	
12	SDEA-2026-0237	**Municipal Solid Waste Characterization and Management Techniques in India** Arshad Husain	