INTERNATIONAL CONFERENCE [SUSTAINABILITY IN DESIGN, ENGINEERING AND ARCHITECTURE] **VENUE: ROOM NO ML 12**

31 OCTOBER 2026 [Saturday]

ZHCET, AMU, ALIGARH

TECHNICAL SESSION II (02:30 – 04:00 pm)-ARCHITECTURE

SESSION CHAIR: Mr. Mohd Zaki Ansari; SESSION CO-CHAIR: Prof. Mohd. Khalid Hassan

S. No.	TRACK ID	TOPIC AND AUTHOR	
1	SDEA-2026-0148	**Deciphering Reuse and Adaptive Reuse of Heritage Structures** Mohd Ikhtair Alam*, Mohammad Farhan Fazli**, Abhishek Bhardwaj***	
2	SDEA-2026-0165	**Evaluating the Role of LEED v5 in Reducing Embodied Carbon in Building Construction** Aashita Varshney*, Mohd Ikhtair Alam**	
3	SDEA-2026-0167	**Beyond the Static Skin: Adaptive Facades for Climate-Responsive Architecture** Uzma Halim* Sadaf Faridi**, Shuja Ahmad*, Khadija Safri*	
4	SDEA-2026-0170	**Framework for Implementing E-Micro Mobility as A Campus Transport System: A Case of AMU Campus, Aligarh** Kshitij Kumar Kushwaha, Dr. Syed Mohammad Noman Tariq	
5	SDEA-2026-0173	**Optimizing the Urban Ecosystem: AI Powered Solutions for Sustainable City Planning** Amina Mohammad Khalid Ansari*, Sanya Haque*, Al Afia Aiyub*, Agrita Ratnam**	
6	SDEA-2026-0178	**Waste-to-Resource in Sustainable Construction** Abdullah Anwar*, Mohd Ahmad**	
7	SDEA-2026-0179	**Thermal regulation and energy optimization of building envelopes through vertical vegetation** Amina Mohammad Khalid Ansari	
8	SDEA-2026-0187	**From Green HRM to SDG-Oriented Sustainability: The Mediating Role of OCBE** Ambreen khan	
9	SDEA-2026-0188	**3R-Based Construction and Demolition Waste Management** Mohd Ahmad*, Abdullah Anwar**	
10	SDEA-2026-0190	**CFD-Informed Climate-Responsive Architecture: A Life-Cycle Cost and Maintenance Efficiency Framework for Climate Resilience** Aatikah Hasan*, Dr Fazlur Rahman**	