INTERNATIONAL CONFERENCE [SUSTAINABILITY IN DESIGN, ENGINEERING AND ARCHITECTURE] **ONLINE SESSION: COMMITTEE ROOM**

31 OCTOBER 2026 [Saturday], TIME: 4:00 PM

ZHCET, AMU, ALIGARH

SESSION CHAIR:

Prof. Najam Sardar, Petroleum Studies

Dr Saad Bin Arif, Electrical Engg.

Mr. Faraz Farooq, Architecture

ARCHITECTURE		
S. No.	**TRACK ID**	**TOPIC AND AUTHOR**
1	**SDEA-2026-008**	**Assessment of construction and demolition waste estimation methods for tier- 2 cities in India** Pooja Singh, Dr. Manjari Chakraborty, Dr. Rizwan Kazmi
2	**SDEA-2026-0061**	**Climate Responsive Informal Market in Urban Areas: Case Study Hyderabad** Vijaya Kumari Manukonda*, Dr. Pallavi Sharma**, Prof. S.V.Ravindra***
3	**SDEA-2026-0068**	**Role of Built Environment in Promoting Students' Well-Being in Higher Education Institutions – A Review** Zainab Rao*, Dr. Mohd. Khalid Hassan**
4	**SDEA-2026-0152**	**Application of GIS for Determining Flood Prone Areas** Anam Hussain*, Mohd Ikhtair Alam**, Mohsin Anees***
5	**SDEA-2026-0236**	**Building the Foundations of Future Cities: Essential Technologies, Challenges, and Opportunities** Anshul Rai

CIVIL ENGINEERING		
S. No.	**TRACK ID**	**TOPIC AND AUTHOR**
1	**SDEA-2026-0101**	**Aerobic Granular Sludge Technology for Sewage Treatment: A Bibliometric Analysis and Systematic Literature Review** Md Faiyazullah, Farrukh Basheer

ELECTRONICS ENGINEERING		
S. No.	TRACK ID	TOPIC AND AUTHOR
1	SDEA-2026-0076	**Green Edge AI for Sustainable IoT: Energy-Efficient Intelligence, Hardware, and Future Directions: A Review** Juveria Iqbal

ELECTRICAL ENGINEERING		
S. No.	TRACK ID	TOPIC AND AUTHOR
1	SDEA-2026-0128	**Experimental Investigation of Breakdown Strength, Dielectric Dissipation Factor and Thermal Conductivity of Transformer-Oil-Based Nanofluids** Atul Kumar Sharma, Safia Akhtar Kazmi, Mujib Ullah Zuberi, Aejaz Masood
2	SDEA-2026-0129	**Enhancement of Dielectric Performance of Mineral Oil-Based Power Transformers Using Composite Nanoparticles** Mohd Farid Alam, Mujib Ullah Zuberi, Aejaz Masood, Safia Akhtar Kazmi
3	SDEA-2026-0212	**NRBO Assisted Selective Harmonic Elimination for a Seven Level Switched Capacitor Multilevel Inverter** Mohammad Tufail*, Mirza Mohammad Shadab*, Mohammad Zaid**, Adil Sarwar**
4	SDEA-2026-0214	**Diagonal Reconfiguration of Photovoltaic Arrays for Mismatch Loss Reduction and Power Enhancement under Partial Shading Conditions** Sumbul Ansari, Mohd Faisal Jalil, Abu Tariq

CHEMICAL AND FOOD TECHNOLOGY		
S. No.	**TRACK ID**	**TOPIC AND AUTHOR**
1	SDEA-2026-0018	Valorisation of Agri-Food Waste through Emerging Extraction Technologies *Armin Zaidi*
2	SDEA-2026-0102	Non-Thermal Food Processing Technologies: A Review of Emerging Approaches for Sustainable Food Preservation and Quality Retention *Faizah Fatima Zaidi*

COMPUTER ENGINEERING		
S. No.	TRACK ID	TOPIC AND AUTHOR
1	SDEA-2026-0025	Power and Performance Analysis for Sustainable Linearly Extensible NoC Architectures Ansari Mohammad Affan Shaukat Ullah*, Ansari Mohammad Zaki*, Dr. Abdus Samad**
2	SDEA-2026-0207	An Energy and Traffic-Congestion Aware Buffer-Bypassing Routing Algorithm for Parallel Architectures Dr. Faizan Nasir*, Dr. Savita Gautam**