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

31 OCTOBER 2026 [Saturday]

**TECHNICAL SESSION I (12:00-1:30 pm)- CIVIL ENGINEERING**

**SESSION CHAIR: Prof. Athar Hussain; SESSION CO-CHAIR: Prof. Sohail Ayub**

| S. No. | TRACK ID | TOPIC AND AUTHOR | |
|---|---|---|---|
| 1 | SDEA-2026-0010 | **Integrated AHP–GIS-Based Flood Risk Assessment and Mapping of the Kosi River Basin, Bihar, India**<br>Saif Said | |
| 2 | SDEA-2026-0038 | **Application of Bio Receptive Moss Concrete in Sustainable Green Construction: A Review**<br>Sarthak*, Rajpoot Kunal Varshney*, Rajat Singh*, Dr. Zaid Mohammad** | |
| 3 | SDEA-2026-0055 | **Remote Sensing-Based Estimation of Soil Moisture in Agricultural Fields Using the OPTRAM Approach**<br>Aqib Hussain*, Saif Said** | |
| 4 | SDEA-2026-0056 | **Flow through labyrinth weir: An introductory review**<br>Rinku Kumar, Mohammad Kamil Khan, Ajmal Hussain, Mujib Ahmad Ansari | |
| 5 | SDEA-2026-0086 | **Performance Evaluation of Agricultural Waste Ash (Rice Husk and Sugarcane Bagasse) Bricks as Sustainable Alternatives to Traditional Masonry Units**<br>Varisha*, Dr. Mohd. Moonis Zaheer** | |
| 6 | SDEA-2026-0108 | **Flood Frequency Analysis Using Annual Maximum and Partial Duration Series: A Case Study at Polavaram, Godavari River Basin**<br>Mohd Tauheed, Dr Mohammad Kamil Khan, Prof. Saif Said | |
| 7 | SDEA-2026-0119 | **Structural Behavior of Reinforced Concrete Members Using Recycled Coarse Aggregate: A Comprehensive Literature Review**<br>Syed Mohd Talha*, Mohd Shariq**, Amjad Masood**, Mohd Asif Ansari** | |
| 8 | SDEA-2026-0137 | **Horizontal Permeability of Layered Sands: An Experimental and CFD study**<br>Suhail Shakeel*, Javed Alam** | |
| 9 | SDEA-2026-0141 | **Advances in Highway Engineering: A Review of Materials, Intelligent Technologies, and Resilient Design for Sustainable Infrastructure**<br>Mohammad Sharique, Dr. Mohammad Suhaib Ahmad, Prof. Malik Shoeb Ahmad | |
| 10 | SDEA-2026-0145 | **Hydraulic Characterization of Flow over Gabion Weirs: A Review of Discharge Mechanisms, Energy Dissipation, and Flow Resistance**<br>Sameer Khan | |