INTERNATIONAL CONFERENCE [SUSTAINABILITY IN DESIGN, ENGINEERING AND ARCHITECTURE**]** **ROOM NO. ML 11**

31 OCTOBER 2026 [Saturday]

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

SESSION CHAIR: Prof. Mohammad Jawaid Siddiqui; SESSION CO-CHAIR: Dr. Mohd Sharique

S. No.	TRACK ID	TOPIC AND AUTHOR	
1	SDEA-2026-0111	**Wavelet-Assisted Heart-Rate Estimation from mmWave Radar Chest-Displacement Signals** Mohammad Asif Ikbal	
2	SDEA-2026-0113	**1T-DRAM With Dual-Metal Gate and Retrograde Doping** Maki Ulla, Mohammad Jawaid Siddiqui, Agrita Ratnam	
3	SDEA-2026-0114	**Comparative Analysis of RISC-V and ARM for Embedded Applications** Md Aatif Mahtab	
4	SDEA-2026-0117	**FEM-Based Ringdown Analysis of MEMS Resonator for Real-Time Electrical Readout** Mohd Farhan Ahmad, Maki Ulla, Mohammad Jawaid Siddiqui	
5	SDEA-2026-0118	**RF Performance Enhancement of Dual-Material Gate Doping-less TFET within an ESD-Protected Low-Noise Amplifier** Mohd Farhan Ahmad, Mohd Salman Majid, Mohd Zaid	
6	SDEA-2026-0139	**Variable-Gain CMOS Low-Noise Amplifiers for Reconfigurable SDR Receivers: A Comparative Review and Design Perspective** Abbas Khan, Dr. Mohd Yasir, Dr. Mohd Zaid	
7	SDEA-2026-0151	**Multimodal Visuo-Tactile Feedback for Autonomous Error Detection and Grasp Recovery in Robotic Manipulation** Himanshu*, Nigam Chaudhary*, Harshit Gaur**	
8	SDEA-2026-0163	**Design and Development of Failproof Environmental Monitoring IoT Telemetry System** Imbesat Zehra	
9	SDEA-2026-0168	**Comparative Study of CMOS Current Mirror Circuits** Agrita Ratnam	
10	SDEA-2026-0177	**SpikePCG: A Spiking Neural Network Framework for Heart Murmur Classification from Phonocardiogram Signals** Mohammad Shiraz, Mohd Rayyan Khan, Kandarp Gupta	
11	SDEA-2026-0186	**Performance analysis of hybrid amplifier for different number of channels** Habiba Talat	
12	SDEA-2026-0200	**FPGA-Based Real-Time Vibration Signal Processing for Industrial Monitoring** Ethesham Ahmed, Mohd Wajid	