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

31 OCTOBER 2026 [Saturday]

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

SESSION CHAIR: Prof Zainul Abidin Jaffery; SESSION CO-CHAIR: Dr. Mohd Asifuddola

S. No.	TRACK ID	TOPIC AND AUTHOR	
1	SDEA-2026-001	**Green Electronics: Recent Advances, Challenges, and Future Directions for Sustainable Electronic Systems** Syed Ahmad Maaz Asad	
2	SDEA-2026-0002	**Design and Verification of SPI Controller Based on ABP Protocol using Verilog HDL, and System Verilog** Mohd Sohail, Mohd Saqib Ansari, Nazia Haneef	
3	SDEA-2026-0057	**Development of a Portable & Cost-effective ECG Monitoring System: EasyG** Agrita Ratnam, Mohd. Amaan Khan	
4	SDEA-2026-0058	**Design & Analysis of Voltage Controlled Oscillator** Agrita Ratnam, Saniya Rahman	
5	SDEA-2026-0063	**Design and Implementation of a Low-Overhead Multi-Source Power Management Unit for Intermittent Embedded Systems** Anwar Sadat, Pulkit Pachouri, Udit Rai Anand, Prathvi Raj Baghel	
6	SDEA-2026-0065	**Identifying cognitive load during mental task using functional brain networks** Aryan Varshney*, Nausheen Ansari**, Omar Farooq*	
7	SDEA-2026-0092	**Efficient Sleep Apnea Event Detection Using Compact EEG Feature Representation and Random Forest** Atifa Aqueel*, Omar Farooq**, Yusuf Uzzaman Khan***	
8	SDEA-2026-0097	**Few-Shot State-of-Health Estimation for Li-ion Batteries on Edge AI: From Multi-Chemistry Pretraining to On-Device Validation** Syed Furquan Faizy, Reem Mohtashim	
9	SDEA-2026-0106	**IoT-Based Remote Patient Monitoring System** Mohd Talib, Anwar Sadat, Mohd Sahel Hafeez	