



ICSCC
2025

2025 11th International Conference on Smart Computing and Communications

3 - 5 July, 2025

Venue: Muthoot Institute of Technology and Science, Kochi, India

Day 1: 03.07.2025 (Thursday)

ICSCC 2025 Paper Presentations		
Track 5: Smart Embedded Systems		
Session 1		
Date: 03.07.2025		
Time: 10.00 AM - 12.30 PM (IST)		
Session Manager: Ms. Binu Manohar		
Email: binumanohar@mgits.ac.in		
Venue: M317, Muthoot M George Block		
Paper ID	Title & Authors	Date & Time
257	TEMPORA: Intelligent Weather Monitoring and Disaster Forecasting System <i>Benito A T, Dr. Swapna Kumar S, Mrs. Anju Vincent</i>	03.07.2025 10.00AM-12.30PM (IST)
432	Automatic Vehicle Control Using Visible Light Communication <i>Mr. Abhinand Sivarajan Pillai, Mr. Naveen S, Dr. M. J. Jayashree</i>	
471	Design And Analysis Of SHA-256 Hash Function Using FPGA for Secure Data Processing <i>Mr. Anand Rajan, Ms. Delna Joseph, Mr. Geon Wilson, Ms. Sinta Pauly, Dr. Bindhu K Rajan</i>	
543	OptiGuard: Intelligent System for Harmful Light Detection <i>Mohammed Rinshin, Mohammed Anjal, Shafankhan S, Sreeram Sivadasan, Jitha K, Femina B</i>	
612	Autism Detection and Child Development Tracking System <i>Kavya P D, Sreya M S, Resmi K. Rajan, Parthiv Sailesh, Jenil Joshy</i>	
703	Autonomous Indoor Navigator <i>Aleena Sojan, Cyril Thomas, Bhadra Raj, Sam Abraham Simon</i>	

772	EMG-Controlled Prosthetic Limb <i>Nereparambil Sharlet Varkey, Gowri Priya, Mishal Muhammed E P, Parvathy Jyothi</i>	
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Day 2: 04.07.2025 (Friday)

ICSCC 2025 Paper Presentations		
Track 5: Smart Embedded Systems Session 2 Date: 04.07.2025 Time: 10.00 AM - 12.30 PM (IST) Session Manager: Ms. Divya R S email: divyars@mgits.ac.in Venue: M317, Muthoot M George Block		
Paper ID	Title & Authors	Date & Time
799	Intelligent Transportation Network for Land Vehicles <i>Sangamesh M, Kiran Francis, Nithin Babu, Kans P R, Abitha M A</i>	04.07.2025 10.00AM-12.30PM (IST)
836	NEURO GUARD: Personalized Seizure Prediction Device <i>Sneha Shabu, M Yazhini, Sreelakshmi P B, Mariam Abey George, Gregorious Jose C</i>	
848	Air Purity Rectification System: Enhancing Environment <i>Annlyn Maria Tojy, Joyal J Maliakal, R Devanand, Reswin Geo Thomas, Dr. Anoop Jose Chittilappilly</i>	
911	Safety System for Fishing Vessels in Maritime <i>Diya Mary Shelly, Joyal George, Marion Shibu, Nayana Biju, Dr. Rithu James</i>	
919	Stealthy Virtual Channel Blocking: A Hardware Trojan Attack on NoC in Tiled Chip Multicore Processors <i>Josna Philomina, Rekha K James, Daleesha M Vishwanathan</i>	
949	Analog Multipliers and Dividers for Low Power Applications <i>Pranav K Madhyastha, Aniketh M A, M S Sunita</i>	
952	GSM TrackerX: Real-time Multi-person Tracking, Emergency Alerts <i>Dr Ramu R, Jaimy James Poovely, Gayathri Viswanath, Gopika Unnikrishnan, Isabel Rose Benny, Sreerag</i>	

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Track 5: Smart Embedded Systems

Session 3

Date: 04.07.2025

Time: 1.30 PM - 04.00 PM (IST)

Session Manager: Ms. Deepa Prabhu

Email: deepaprabhur@mgits.ac.in

Venue: M317, Muthoot M George Block

Paper ID	Title & Authors	Date & Time
991	FEA and Experimental Studies of MOS Microgas Sensor with integrated in-plane microheater <i>Annliya Raju, Archana T A, Nivedhitha V Anil, Seethalakshmi C D, Dr. Krishnapriya S, Tony C Thomas</i>	04.07.2025 1.30PM-04.00PM (IST)
1035	Design and Implementation of UVM-based Verification Framework for Deep Learning Accelerators <i>Ragavi D, Varni S, Divya dharshini N, Megarnishabegum M, Lavanya M</i>	
1055	Optimized FPGA Implementation of Audio Compression Using LPC And Golomb Coding <i>Jaimy James Poovely, Dr. Raveena Judie Dolly, Sreyas Kumar C V, Harikrishnan.A, Dhruvin. S. Nair, P. Thilakeswaran</i>	
1128	A Low Noise Signal Conditioning Circuit for Neural Signal Acquisition <i>Milner Paul V, Shuma Adhikari, Loitongbam Surajkumar Singh, Caren Babu, Tony C Thomas</i>	
1142	A Customizable and Adaptive Audio System with Enhanced Sound Quality using DSP Processor <i>Archana S, Ajaynath S A, Arun A V</i>	
1160	Photonic Crystal-Based D Flip-Flops for Ultrafast Sequential Circuit Applications <i>Anagha E G, Nikhil Subramannian, Priya R. Das, Naveen Renny, K. R. Balagopal</i>	
1190	Gate All Around Tunnel Field Effect Transistor for Future VLSI Applications <i>Sanjeet Kumar Sinha and Sweta Chander</i>	
1232	Performance Analysis of PVD and LSB Steganographic Techniques in Secure Data Handling Using FPGA <i>Malavika P S, Meenakshi Jayachandran, Elsa Grace John, Lakshmipriya K A, Binu Manohar, Anjali S V</i>	

Day 3: 05.07.2025 (Saturday)

ICSCC 2025 Paper Presentations		
Track 5: Smart Embedded Systems Session 4 Date: 05.07.2025 Time: 10.00 AM - 12.30 PM (IST) Session Manager: Ms. Jisha Jacob Email: jishajacob@mgits.ac.in Venue: M304, Muthoot M George Block		
Paper ID	Title & Authors	Date & Time
651	Deep Learning - Based Human Detection Rover for AI-Powered Search and Rescue in Disaster Zones <i>Dhilbar Roshan, Diya Mahesh, Naveen V S, Mary Catherine</i>	05.07.2025 10.00AM-12.30PM (IST)
711	Prediction of Photovoltaic generation using Deep Learning – Neural Networks <i>Rakesh Prasannan, Biju K S</i>	
764	PULSE -Pool Underwater Life Saving Surveillance Equipment <i>Muhammed Nihal, Elizabeth Rita Samuel, Soju Eappan, Nikith Kishore, Shweta Justus</i>	
968	Enhancing Mental Health by Stress Monitoring Using Smart Wearable Technology <i>Prince D, Prasanna kumar R, Deepa Jose, Srijan R</i>	
1032	Autonomous Mobile Robot for Industrial Application <i>Krishnendhu V R, Manju Manuel, Dabin K L, Sooraj V S</i>	
1129	Remote Health Monitoring System Using BIA <i>Dr. Giby Jose, Devanandana A Nair, Gadha Sethu S, Ivin Korah Sajan, Jithin Jaison</i>	
1233	Design & Implementation of Bore-well Rescue Robot <i>Abin N V, Harinandan M D, Afthab Ibrahim, Mohammed Hinan A K, Dr. Shaija P J, Dinu Paul</i>	
1255	Simulink to Silicon: Deploying and Validating Neural Network-Based SoC Estimation on ZedBoard FPGA <i>Vaishnav S Warriar, Roshan Binu Paul, Dayas M John, Aswin P Nair, Dr Shoba Gopalakrishnan, Dr Neelakantan PC</i>	