



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 2: Communication and Signal Processing Session 1 Date: 03.07.2025 Time: 10.00 AM - 12.30 PM (IST) Session Manager: Dr. Nivea Kesav Email: niveakesav@mgits.ac.in Venue: M303, Muthoot M George Block		
Paper ID	Title & Authors	Date & Time
550	Performance analysis of Power-over-Fiber systems in 5G NR <i>Prof. Saniya Aseem, Abhiram Suresh, Ardra Sreekumar, Ashwin Prasad, Beema S, Ganga Lekshmi G</i>	03.07.2025 10.00AM-12.30PM (IST)
565	Deep Learning Approaches for Noise Mitigation and Performance Improvement in Digital Wireless Communication <i>Palli Appalanaidu, Prof. Dr.Pradeep R</i>	
608	Statistical Analysis of sEMG-Derived Features for Differentiating Muscle Fiber Types Using Time, Frequency and Time-Frequency Domain Metrics - An Investigation <i>Arundathi M.K, Emmanuvel Sebastian, Ditto K Sunny, Liya Ann Biju, Arun P</i>	
652	Performance Analysis of Patch Antenna with Fractal DGS for Wireless Applications <i>Najia Nisarudeen , Prof. Sanoj Viswasom</i>	
654	Microstrip Hairpin Filter with Defected Ground Structure based on Koch Snowflake Fractal <i>Neethu R, Sanoj Viswasom</i>	
675	Performance analysis of cluster cell NOMA in dense environment	

	<i>Lekshmi Nair M, Dr. Neelakantan P C</i>	
786	Intra Wireless Communication for Aircraft Display System <i>Dr Peter Reji Ramanatt</i>	
807	Performance Exploration of High Gain Antenna for Terahertz Applications <i>Vismaya Vijayan, Titto Anujan</i>	

Day 2: 04.07.2025 (Friday)

ICSCC 2025 Paper Presentations		
Track 2: Communication and Signal Processing Session 2 Date: 04.07.2025 Time: 10.00 AM - 12.30 PM (IST) Session Manager: Ms. Anjali S.V. Email: anjalisv@mgits.ac.in Venue: M303, Muthoot M George Block		
Paper ID	Title & Authors	Date & Time
867	Design and Simulation of a 300 GHz Microstrip Patch Nano Antenna with Defected Ground Structures and Metamaterials for Terahertz Wireless Communication <i>T S Nandana, Chaitra Prasad, Sneha M S, Sinu K Joseph, Anil M</i>	04.07.2025 10.00AM-12.30PM (IST)
889	5G Microstrip Patch Antenna Design Using Machine Learning <i>Hana P S, M Nandhini, Gokuldas M K, Ms. Divya Unni, Ms. Ashitha P R</i>	
931	Comparative Study of Different Design Parameters of Microstrip Patch Antenna <i>Ms. Deepthy G S, Fathima Noura P P, Jyothika M, Keerthana Jossy, Mathew Reji</i>	
989	A Multi-Layer Frequency Selective Surface for Shielding Applications at 2.4GHz <i>Rosemary P J, Joyal Biju, Leo Lawrance, Nidhin Biju, Anett Antony, Anju Pradeep</i>	
1029	Unified Audio Enhancement System: Integrating Noise Filtering, Equalization, and Karaoke Extraction for Better Sound Quality	

	<i>C Sanjana Manoj, Dr. Sindhu S, Anitta Palamuttam Thomas, K Rohith, Albin Babu</i>	
1124	Performance comparison of various multiple beam WDM-FSO communication systems with homodyne detection under varying atmospheric conditions <i>Chandhana Ranjith V P, Supriya S S, R D Soumitra, Joseph Zacharias</i>	
1133	Experimental Evaluation of Spectrum Sensing for Cognitive Radio IoT <i>Dhiya Mary Thomas, Krishnanjana G, Hari Krishna K, Lakshmi V S</i>	
1136	Design and Analysis of a 2×2 Patch Antenna Array for 6G Applications in the 7–8 GHz Band <i>Mehvin P K, Ajayan K K</i>	
ICSCC 2025 Paper Presentations		
Track 2: Communication and Signal Processing Session 3 Date: 04.07.2025 Time: 1.30 PM - 04.00 PM (IST) Session Manager: Ms. Nayana P K Email: nayanapk@mgits.ac.in Venue: M303, Muthoot M George Block		
Paper ID	Title & Authors	Date & Time
700	Affine Frequency Division Multiplexing with Generalized Index Modulation <i>Anoop A, Christo Kurisummoottil Thomas, J.V. Bibal Benifa, Kala S</i>	04.07.2025 1.30PM - 04.00PM (IST)
894	Optimization of Base Station Deployment Using Particle Swarm Optimization and Simulated Annealing: A Comparative Analysis <i>Anusree M, Anna Benny, Amrutha O, Aagin K Prince, Mariya Vincent</i>	
1140	Performance Analysis of Coherent DP-QPSK Nyquist-WDM FSO Transmission Link Under Different Environmental Conditions <i>Abhishek K N, R D Soumitra, Supriya S S, Joseph Zacharias</i>	
1201	Passive Beamforming of an Reconfigurable Intelligent Surface using SDR and LabVIEW - A Demo in an Indoor Wireless Environment <i>Nithin Mohan K. P., Satheesh S, Poornima S., Deepti Das Krishna</i>	

1230	Design And Development of a Fractal Antenna for Material Classification <i>Hanna Maria Thomas, Parvathy R Krishna, Parvathy V, Sreelakshmi P M, Prasanth P Menon, Dr Reshma Lakshmanan</i>	
1242	DRUGTRACE : Microwave-Based Narcotics Detection System Using RF Signature <i>Devika M S, Govinda Pai G, Adil Kabir, Adithyan S, Mr.Sreekanth K S, Dr.Reshma Lakshmanan</i>	
1247	Design and Development of Compact Planar Antenna for Oil Characterization <i>Alfia Mehrin, Aayisha Bathool, Archa Ajayakumar, Aswathy V S</i>	