**ECE Conference/Paper/Journal Report _25-26**

1. **Dr. Shashidhar P K** published a research paper titled **"Enhancing Secured Device-to-Device Communication in 5G Networks Using Open5GS and UERANSIM"** in the edited book **Information and Communication Systems**, published in **2026**. The publication is copyrighted by **The Author(s)** and carries **ISBN: 978-1-041-09462-3**. The work focuses on secure device-to-device communication in 5G environments using **Open5GS** and **UERANSIM** for simulation and evaluation.
2. Prof. Basavaraj presented a paper entitled *"Advances in Biosensor Validation Techniques: A Comprehensive Review"* at the ICMRTET 2026 conference on 25th March 2026.
3. Prof. Kiran Kotin presented a paper entitled *"A Review on Automatic Number Plate Recognition Techniques"* at the ICMRTET 2026 conference on 25th March 2026.
4. Prof. Chandarmouli presented a paper titled *"AI-Driven Optimization Techniques for VLSI Floorplanning: A Review of Meta-Heuristic and Reinforcement Learning Approaches"* at the ICMRTET 2026 conference on 25th March 2026.
5. Prof. Niranjan S presented a paper entitled *"Biomedical Image Processing: Techniques, Applications and Recent Research Trends – A Review"* at the ICMRTET 2026 conference on 25th March 2026.
6. Prof. Ravi Bagade, ECE research scholar, presented a paper entitled *"A Comprehensive Survey on Deep Learning Methods for Automated Spinal Fracture Detection and Classification"* in the ICMRTET 2026 conference on 25th March 2026 under the guidance of Dr. Santosh S Bujari.
7. Ms. Soubhagya Bikkadakatti, a 6th Semester ECE student, presented a paper entitled *"Animal and Object Detection using Raspberry Pi and OpenCV"* in the ICMRTET 2026 conference on 25th March 2026 under the guidance of Dr. Santosh S. Bujari.
8. Ms. Srusti Madiwalar and Ms. Supriya Ghodake, students of 6th Semester ECE, presented a paper titled "Smart Automatic Garden Watering System Using Soil Moisture Sensors" in the ICMRTET 2026 conference on 25th March 2026 under the guidance of Prof. Amarappa Pagi.
9. Mr. Charamurtiswami R. H., Mr. Vivek K., Mr. Darshan V., and Mr. Shivkumar G., students of 6th Semester ECE, presented a paper entitled "IoT-Based Spoiled Food

Detection and Alert System Using NodeMCU" in the ICMRTET 2026 conference on 25th March 2026 under the guidance of Prof. Ratnaprabha S.

10. Mr. Manikhanthacharya A., a 6th Semester ECE student, presented a paper titled *"Smart Spy Surveillance Robotic System"* at ICMRTET 2026 on 25th March 2026 under the guidance of Prof. Manjunathraddi Bentur.
11. Prof. Manjunath N. L., Dr. Shashidhar P. K., and Prof. Arunakumar S. Bhosale have published a research paper titled "ASIC Design Flow of an Image Signal Processor" in the Asian Journal of Convergence and Technology, Vol. 12, No. 1, pp. 154–157, April 2026.( ISSN -2350-1146,)
12. Dr. Santosh S. Bujari has published a research paper titled "A Comprehensive Survey on Deep Learning Methods for Automated Spinal Fracture Detection and Classification" in the Asian Journal of Convergence and Technology, Vol. 12, No. 1, pp. 161–163, April 2026. (ISSN -2350-1146)
13. Dr. Shashidhar P. K., Prof. Manjunath N. L., and Prof. Arunakumar S. Bhosale have published a research paper titled "IoT-Based Smart Healthcare Data Transmission Using Enhanced Clustering Strategies" in the Asian Journal of Convergence and Technology, Vol. 12, No. 1, pp. 161–163, April 2026 (ISSN: 2350-1146).
14. Prof. Anupama Hongal, Ms. Anasuya V. S., Ms. Aparna H., Ms. Sahana H., and Ms. Soumya K. have published a research paper titled "ThermoSense: Dual-Mode Thermoelectric Soldier Suit with Real-Time Ambient Sensing" in the Asian Journal of Convergence and Technology, Vol. 12, No. 1, pp. 170–174, April 2026 (ISSN: 2350-1146)
15. Prof. Niranjan Shetter, and Dr. Santosh S. Bujari,. have published a research paper titled "Biomedical Image Processing: Techniques, Applications, and Recent Research Trends – A Review" in the Asian Journal of Convergence and Technology, Vol. 12, No. 1, pp. 175–179, April 2026 (ISSN: 2350-1146).
16. Prof. Amarappa Pagi, Ms. Srushti Madiwalar, Ms. Supriya Ghodake, and Ms. Soumya K have published a research paper titled "Smart Automatic Garden Watering System Using Soil Moisture Sensors" in the Asian Journal of Convergence and Technology, Vol. 12, No. 1, pp. 180–185, April 2026 (ISSN: 2350-1146).
17. Prof. Basaravaj Soratur, Dr. Subhas Meti, Dr. Santosh Bujari, and Ms. Poorvi S. Mahapurush K have published a research paper titled "Adaptive IoT-Enabled Node for Multi-Parameter Environmental Sensing and Cloud-Based Analytics" in the Asian

Journal of Convergence and Technology, Vol. 12, No. 1, pp. 186–189, April 2026 (ISSN: 2350-1146).

18. Prof. Manjunath Bentur, Ms. Manohari N. Doddagoudar, Ms. Keerti Ambore, and Ms. Tejaswini Hiremath have published a research paper titled “Multipurpose Smart Gloves for Deaf and Dumb Using Raspberry Pi Pico” in the Asian Journal of Convergence and Technology, Vol. 12, No. 1, pp. 190–194, April 2026 (ISSN: 2350-1146).