

NEWSLETTER

April to June 2025

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Vision

To create a center for imparting technical education of international standards and conduct research at the cutting edge of electronics & communication technology to meet the current and future challenges of technological development.

Mission

To create technical manpower for meeting the current and future demands of industry and academia: to recognize education and research in close interaction with electronics & communication & related industry with emphasis on the development of leadership qualities in the young men and women entering the portals of the institute with sensitivity to social development and eye for opportunities for growth in the international perspective.



Journal/Conference/Book Publications

Himani, Tarun Varma, "QMF Banks: A Survey of High-Fidelity Reconstruction Strategies" , Multimedia Tools and Applications Volume :1111 / 1111 / 2025 ISBN: 1573-7721 (eISSN)

Sushma Punia, Ankur Saharia, Yaseera Ismail, Francesco Petruccione, Anton V. Bourdine, Oleg G. Morozov, Ivan K. Meshkov, Ghanshyam Singh, Manish Tiwari , "OAM mode propagation and Supercontinuum Generation in a Nested Photonic Crystal Fiber" , Physica Scripta Volume :100 / / 2025

Vandana Singh Rajawat, Bharat Choudhary, Ajay Kumar, "NQS Small-Signal Circuit Modelling of GaN-SOI-FinFET for RF/Wireless Applications" , Circuits, Systems, and Signal Processing Volume :2025 / 1-20 / 2025

Vikram Maurya, and S. Singhal, "Nickel-polyimide-nickel based ultra-wideband octagonal solar absorber as a thermal emitter" , Materials Research Bulletin Volume :191 / 1-15 / 2025

Sonu Jain , Mamta Devi Sharma, Ritu Sharma, "Modelling of ultra thin polarization insensitive dual band metamaterial absorber for shielding and sensing application" , Journal of Magnetism and magnetic material Volume :624 / 14 / 2025

Dimpal Janu, Faisel Mushtaq, Sandeep Mandia, Kuldeep Singh and Sandeep Kumar, "MASSFormer: Mobility-Aware Spectrum Sensing using Transformer-Driven Tiered Structure" , IEEE Communication Letters Volume :29 (6) / 1220-1224 / 2025

Rahul Pandey, Kamal Kishor Choure, Nitesh Mudgal, Ankur Saharia, Manish Tiwari, Rajendra Mitharwal, Ghanshyam Singh, Santosh Kumar, "Interconnected concentric ring resonator-based plasmonic sensor for ethanol blending detection in fuels" , Optics & Laser Technology Volume :188 / / 2025

Riya Sen, Sandip Das, Menka Yadav, "Sustainable Lead-Free Perovskite Solar Cells With Graphene Oxide Hole Transport Layers" , 2025 IEEE 5th International Conference on Sustainable Energy and Future Electric Transportation –SEFET by :IEEE at MNIT Jaipur / / 2025

Akshay Pratap Singh, Rajendra Mitharwal, Kuldeep Singh, "Analytical Study for Detecting Rusting in Cylindrical Pillars in L Band" , 2025 International Conference on Sustainable Energy Technologies and Computational Intelligence SETCOM by :IEEE at Gandhinagar Gujarat / / 2025

Pawan Kumar Inaniya, Ravi K. Maddila, Rekha Mehra, Santosh Kumar, "High Performance Ultra-Thin Reduced Graphene Oxide Photodetector for Visible Light Detection at Low Intensity and Voltage Range" , International Conference on Microwave, Optical and Communication Engineering by :Springer at IIT Bhubaneswar / / 2025

Reference Book" Data Science and Applications Proceedings of ICDSA 2024, Volume 5 ISBN:978-981-96-1184-3 published by - Lecture Notes in Networks and Systems (LNNS, volume 1237), Springer Singapore Year 2025 Authors- Satyasai Jagannath Nanda, Rajendra Prasad Yadav, Amir H. Gandomi, Mukesh Saraswat

Reference Book" Data Science and Applications Proceedings of ICDSA 2024, Volume 4 ISBN:978-981-96-2646-5 published by - Lecture Notes in Networks and Systems (LNNS, volume 1266), Springer Singapore Year 2025 Authors- Satyasai Jagannath Nanda, Rajendra Prasad Yadav, Amir H. Gandomi, Mukesh Saraswat

Reference Book" Data Science and Applications Proceedings of ICDSA 2024, Volume 3 ISBN:978-981-96-2298-6 published by - Lecture Notes in Networks and Systems (LNNS, volume 1265), Springer Singapore Year 2025 Authors- Satyasai Jagannath Nanda, Rajendra Prasad Yadav, Amir H. Gandomi, Mukesh Saraswat

Projects

Project Investigator:

Prof. Vineet Sahula

Title of Project:

Electronics and ICT Academy (Phase-2)

Funding Agency:

Ministry of Electronics and IT,
Govt. of India

Amount:

10 Crores

Duration:

2024- 2029

Project Investigator:

Dr. Satyasai Jagannath Nanda

Title of Project:

5G Use Case Laboratory at MNIT Jaipur
(One of the 100 5G Use Case
Laboratory for Higher Educational
Institutions)

Funding Agency:

Department of
Telecommunication, Ministry of
Communications, Govt. of India

Amount:

71.25 Lakhs

Duration:

2023- 2029

Events Organized

- National FDP on Semiconductor Devices, circuits & Sensors: Applications & Research Perspective at MNIT Jaipur, Jaipur, India from 02-05-2025 to 09-05-2025
- National FDP on Semiconductor Devices, Circuits and Sensors: Applications, and Research Perspective (Part II) at MNIT Jaipur, Jaipur, India from 09-06-2025 to 20-06-2025

Patents

Patent Title:

SMART TELEMETRIC CUBESAT

Patentee:

Dr. Ila Sharma, Dr. Menka Yadav, Dr. Jyoti Grover

STUDENTS CORNER

UG Students:

Total students placed - 85

Highest package - 56 LPA

Average package - 15.9 LPA

PG Students:

Total students placed - 28

VLSI : Highest package - 39 LPA

Embedded : Highest package - 37.83 LPA

ECE : Highest package - 12.5 LPA

OUR PROMINENT RECRUITERS



Designed by:

Dr. Menka Yadav, Gaurav Laxman Hepat and
Satveer Singh