



IIT Kanpur



VOLUME 2 | ISSUE 2 | JULY - DECEMBER 2025

NEWSLETTER

DEPARTMENT OF ELECTRICAL ENGINEERING

Indian Institute of Technology Kanpur



Concluding 2025, here I present another edition of our department's newsletter for this year. This 2nd issue of 2025 highlights the academic, research and outreach activities of the department in the latter half of this year. In the previous issue of newsletter where we have bid adieu to our former students, in this issue following the trend we welcomed our new students and I convey my hearty wishes to each of them for a great learning experience at the campus.

As a part of our focus on emerging areas of electrical engineering, encouraging interdisciplinary research, we have signed two MoU's with Graymatics and Axiro Semiconductor Private Limited. The aim of these collaboration is to impart hands-on learning experience to our students. To encourage and recognize our student talent, we have also started rewarding their IEEE journal publication as first author through travel grants and financial incentives. Through such initiatives, department remains dedicated to nurturing skilled, ethical, and socially responsible engineers who can contribute meaningfully to society.

Accolades and awards brought by our faculty members, students and alumni to the department are listed here to keep you enlightened about our department. Our department has successfully conducted Research Scholar Day, which is a yearly one-day event, showcasing original research of graduate students. The purpose of this symposium is to facilitate scientific discussion, foster student-faculty interactions, and provide a platform for students to present their work to a wider audience.

From Head's Desk



Prof. Yogesh Singh Chauhan

Head, Electrical Engineering IIT Kanpur

Eminent researchers and professionals are invited to deliver lectures every year as part of the keynote talks for the research scholar. It consisted of a series of sessions of oral talks and poster presentations by students.

I also welcome Prof. Mohit D. Ganeriwala who joined us as Assistant Professor, Prof. Abhyudai Singh as visiting faculty and Dr. Shanuja Sasi as DST Inspire Faculty Fellow. I look forward to their valuable contribution in teaching, research, and academic development, and wish them a successful and fulfilling journey with us.

I hope this issue keeps you informed and inspired, and I look forward to continued growth and success together.



MOU SIGNED (JULY - DECEMBER 2025)



An MoU was signed between Graymatics and Dept. of Electrical Engineering, IIT Kanpur for R&D collaborations in Multimodal AI



The Department of Electrical Engineering, IIT Kanpur, will collaborate with Axiro Semiconductor Private Limited in the areas of semiconductor design, development, and related technologies. This collaboration aims to strengthen the ecosystem for semiconductor innovation and foster advancements in indigenous technology development, contributing to India's growing semiconductor mission.





NEW INITIATIVES (JULY - DECEMBER 2025)

The Department of Electrical Engineering, IIT Kanpur, has launched its Online M.Tech. Programs in Wireless Networks & Machine Learning (Win-ML), Microelectronics & VLSI, and RF Engineering designed for working professionals and graduates aiming to advance their careers.

With flexible learning options, an industry-aligned curriculum, and an option to exit with a PG Diploma, these programs maintain the same academic rigor as IIT Kanpur's on-campus M.Tech. offerings.

IIT KANPUR
INDIAN INSTITUTE OF TECHNOLOGY KANPUR



M.Tech. (Online)
in
Microelectronics & VLSI

Department of Electrical Engineering

<https://online.iitk.ac.in/>

Dept. of Electrical Engineering through its special drive is conducting spot admissions to the PhD programme for current BTech/BS(4 years)/MTech/MSR Students from Centrally funded Technical Institutes (CFTIs) including IITs/IISc/NITs/IIITs/IISERs.

This spot admission is offered in all the six streams where GATE score is waived off. This non-conventional approach offers students special PhD admission opportunity where eligible candidates can apply and be selected quickly—often through an on-campus interview or a short notice drive—rather than waiting for the full standard admission cycle.

DEPARTMENT OF ELECTRICAL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY KANPUR

Spot
PhD Admission 2026-27
Semester-I

for BTech, BS (4 years), MTech & MSR students

Department of Electrical Engineering, IIT Kanpur invites applications for spot admissions to the PhD programme from current BTech/BS (4 years)/MTech/MSR Students from CFTIs (Centrally Funded Technical Institutes)

Specializations

- Control and Automation (CA)
- Microelectronics and VLSI (MVLSI)
- RF and Microwave (RF)
- Signal Processing, Communication and Networks (SPCOM)
- Optoelectronics and Optical Communication (OPTEC)
- Power Engineering (PE)

Who can apply?

- Fourth year BTech/BS (4 years) students in Electronics/Electrical department from a CFTI (including IITs/IISc /NITs/ IIITs /IISERs) with CPI > 7.5.
- Second year MTech/MSR students in Electronics/ Electrical department from a CFTI (including IITs/IISc/NITs/IIITs /IISERs) with CPI > 8.0.

Highlights

- Spot PhD admission with on-campus interview
- No GATE score required
- Institute assistantship up to INR 42,000 per month
- Eligible for applying for Visvesvaraya and upcoming PMRF 2.0 fellowship
- Travel support ~ Rs 5 Lakhs for national and international conferences
- Be a part of cutting-edge research in exciting areas
- Opportunities to work with international universities/exchange programs
- Startup/incubation via Student Entrepreneurship Policy

Important Links

IITK/EE webpage:
<https://www.iitk.ac.in/ee/>
Admission webpage
<https://www.iitk.ac.in/ee/admissionspot>



NEW INITIATIVES (JULY - DECEMBER 2025)

LKL (Lalita and Krishan Lal Bhatia) a Faculty Chair Program in the Department of Electrical Engineering, made possible through the generous contribution of Mr. Ashish Bhatia (BT-MT(Dul)/EE/1998) - technologist, angel investor, and IIT Kanpur alumnus.



INCENTIVE FOR PUBLICATION TO STUDENTS- LIST OF BENEFICIARIES



Mudasir Ahmad Sheikh
(PhD/EE)



Shubham Saxena
(PhD/EE)



Anand Mehrotra
(PhD/EE)



Swati Singh
(PhD/EE)



Awadhesh Gupta
(PhD/EE)



Abhisha Garg
(PhD/EE)

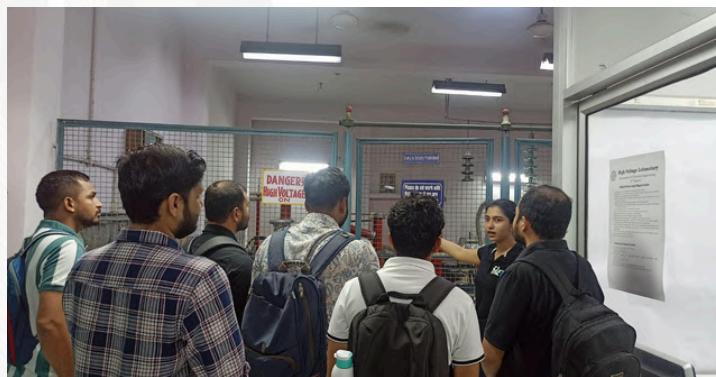


BATCH 2025 ORIENTATION SESSION ORGANIZED BY EEA





BATCH 2025 LAB VISITS ORGANIZED BY EEA





BATCH 2025 LAB VISITS ORGANIZED BY EEA





WORKSHOPS CONDUCTED (JULY - DECEMBER 2025)



Department of Electrical Engineering, IIT Kanpur, conducted a workshop titled "Wireless Communication Technologies for the Next Decade" on 16th August, 2025. The workshop highlighted recent developments in wireless communications technologies, focusing especially on 6G.

It was held in concurrence with the 60th birthday of Prof. Ajit Kumar Chaturvedi where he was felicitated for his contributions toward the field of communications systems, and his teaching, research and academic administration legacies were also cherished by his colleagues, former students, friends and family members.

An MoU was also signed by Prof Manindra Agrawal, Director, IIT Kanpur and Dr. Rajkumar Upadhyay, CEO, CDOT, to set up a C-DOT Academic CoE (Center of Excellence) at IIT Kanpur.





WORKSHOPS CONDUCTED (JULY - DECEMBER 2025)



Dept. of Electrical Engineering, Indian Institute of Technology, Kanpur inaugurated a 16 week “Advanced Executive Program on Emerging Communication Technologies for Probationers” on 11 August, 2025.





EE RESEARCH DAY 2025

Innovation met inspiration at EE Research Day which was held on 25th of October 2025, IIT Kanpur! PhD students of the department enthusiastically participated and presented their cutting-edge research through posters!





INAE ENGINEERS CONCLAVE 2025



Engineers Conclave 2025 (EC-2025), the annual flagship event of the Indian National Academy of Engineering (INAE), was successfully organized in collaboration with the Indian Institute of Technology Kanpur.

The conclave brought together leading engineers, technologists, researchers, and policymakers from academia, R&D organizations, and industry to deliberate on the themes of “Intelligent Systems” and “Interdisciplinary Cyber Physical Systems.”





IEEE SYMPOSIUM ON MICROELECTRONICS & VLSI



Department of Electrical Engineering organized IEEE Symposium on Microelectronics & VLSI, titled “Confluence of VLSI Minds 2025.” The symposium also celebrated Prof. Dutta’s 65th birthday, honoring his pioneering achievements and his enduring legacy as a mentor and role model.





100 YEARS OF FIELD EFFECT TRANSISTORS



The IEEE-EDS IIT Kanpur Chapter celebrated 100 years of the Field Effect Transistor (FET) with a special workshop on 19 December 2025, marking a century of innovation in electronics. The event featured keynote talks by Dr. Bin Zhao, IEEE EDS President, and Prof. Patrick Fay, IEEE EDS Distinguished Lecturer.





NEW JOINEES IN 2025 (JULY - DECEMBER 2025)



Prof. Mohit D. Ganeriwala

Assistant Professor

<https://www.iitk.ac.in/new/mohit-d-ganeriwala#>



Prof. Abhyudai Singh

Visiting Faculty

Modelling and inference of biomedical systems with applications to systems biology, virology, medicine, and neuroscience

DST INSPIRE FACULTY FELLOWS



Shanuja Sasi

Security and Privacy Aspects of Distributed Computing, Multi Armed Bandits, Coded Caching, Index Coding, Coding Theory and its Application to Machine Learning, Federated Learning



PATENTS FILED (JULY - DECEMBER 2025)

Patents

S. No.	Name of the Inventor	IPA No.
1	Mr. Ritik Rajput (Student, EE), Dr. Ankush Sharma (EE), Dr. Abheejet Mohapatra (EE)	202511066121
2	Dr. Kamal Krishna Kar (ME & MSP), Ms. Swati Gangwar (Ph.D, MSP), Dr. M. Jaleel Akhtar (EE & MSP)	202511085836
3	Mr. Abhishek Prakash (BTech-MTech, Dual Degree, EE), Mr. Arpit Anand (BTech-MTech, Dual Degree, EE), Mr. Pugazhazhagan T A (Project Associate, EE), Dr. Tushar Balasaheb Sandhan (EE)	202511099790
4	Ms. Supriya Das (Project Executive Officer), Mr. Rushit Mansukhbhai Bhanderi (Project Executive Officer), Mr. Akshay Namdeo (Sr. Project Engineer), Mr. Vinay Kumar Tripathi (Project Postdoctoral Fellow), Mr. Abhishek Kumar (Project Engineer, Gangwal School of Medical Sciences and Technology), Mr. Harindra Prasad Sharma (Project Technical Officer, ME), Mr. Manoj Sharma (Technical Superintendent, ME), Mr. Phool Chand Gond (Project Technical Officer, ME), Dr. Niraj Sinha (ME), Dr. K. Muralidhar (ME), Dr. K. Muralidhar (ME), Dr. Nikunj Arunkumar Bhagat (EE & BSBE), Dr. Pranav Joshi (ME), Dr. Kantes Balani (MSE), Dr. Jayandharan Giridhara Rao (BSBE), Dr. Amitabha Bandyopadhyay (BSBE), Dr. Mandeep Singh Rana (Visiting Faculty, BSBE)	202511106787
5	Ms. Supriya Das (Project Executive Officer), Mr. Rushit Mansukhbhai Bhanderi (Project Executive Officer), Mr. Akshay Namdeo (Sr. Project Engineer), Mr. Vinay Kumar Tripathi (Project Postdoctoral Fellow), Mr. Abhishek Kumar (Project Engineer, Gangwal School of Medical Sciences and Technology), Mr. Harindra Prasad Sharma (Project Technical Officer, ME), Mr. Manoj Sharma (Technical Superintendent, ME), Mr. Phool Chand Gond (Project Technical Officer, ME), Dr. Niraj Sinha (ME), Dr. K. Muralidhar (ME), Dr. Nikunj Arunkumar Bhagat (EE & BSBE), Dr. Pranav Joshi (ME), Dr. Kantes Balani (MSE), Dr. Jayandharan Giridhara Rao (BSBE), Dr. Amitabha Bandyopadhyay (BSBE), Dr. Mandeep Singh Rana (Visiting Faculty, BSBE)	202511106800
6	Dr. Nikunj Bhagat (EE), Dr. Santosh Misra (BSBE), Ms. Sanya (Ph.D. Scholar, BSBE), Mr. Animesh Kumar Soni (Ph.D. Scholar, BSBE)	202511108509
7	Ms. Namita Kumari (PhD Student, EE), Dr. Ankush Sharma (EE), Mr. Pratik Sharma (PhD Student, EE)	202511120464
8	Mr. Pugazhazhagan T A (Project Associate, ACES Building, EE), Dr. Tushar Balasaheb Sandhan (EE)	202511120940
9	Mr. Vishal Amatt (Dual Degree Student, EE), Mr. Subhansh Malviya (Btech Student, EE), Dr. Tushar Balasaheb Sandhan (EE)	202511127924
10	Mr. Mohmad Aasif Bhat (PhD Student, EE), Dr. Imon Mondal (EE)	202511133063
11	Mr. Mayank Anupam (PhD Student, EE), Dr. Imon Mondal (EE)	202511134319



PATENTS GRANTED (JULY - DECEMBER 2025)

Patents

S. No.	Name of the Inventor	IPA No.
1	Dr. Vipul Arora (CSE), Mr. Himanshu Jindal (B. Tech. Student, EE)	202311011461
2	Dr. Amar Kumar Behera (Design), Mr. Atharv Jiwane (Student, ME), Ms. Ishita (Student, Economic Sciences), Ms. Jahnvi Singh (Student, BSBE), Mr. Mihir Gupta (Student, EE), Ms. Nikita Yadav (Student, CE), Ms. Shreya Verma (Student, Economic Sciences), Ms. Shreya Yadav (Student, BSBE)	460769-001
3	Mr. Paresh Upadhyay (Student, EE), Dr. Yatindra Nath Singh (EE)	202411069110
4	Dr. Yatindra Nath Singh (EE), Mr. Rameshwar Nath Tripathi (Senior Project Engineer, ACES, EE), Mr. Rahul Bhattacharyya (Student, ACES, EE), Mr. Nagendra Kumar Singh (Senior Project Engineer, ACES, EE), Ms. Varsha Lohani (Graduated PhD Student, ACES, EE), Ms. Anjali Sharma (Graduated PhD Student, ACES, EE)	202411078216
5	Mr. Biswanath Panda (Sr. Research Establishment Officer, NCFlexE, IITK), Dr. Baquer Mazhari (Electrical Engineering, IITK)	202411066897
6	Dr. B. Mazhari (EE), Mr. Syed M. H. Rizvi (Student, DP)	201811015509
7	Mr. Chiranjeev Prachand (PhD Student, EE), Mr. Marithammanahalli Ramkumar Rakshith (B.Tech Student, AE), Dr. KS Venkatesh (EE), Dr. Abhishek (AE)	202411093231
8	Mr. Saksham Gupta (B.Tech Student & Health Ideation and Innovation Fellow, EE), Dr. Sai Prasad Pydi (BSBE), Mr. Arijit Bhattacharjee (Senior Program Officer, SIB SHInE), Mr. Shivam Gupta (B.Tech Student, ME)	202511017955



PUBLICATIONS (JULY - DECEMBER 2025)

Control and Automation

Journal Publications

S.No.	Details of Publications
1	Fernandes M.;Sahoo S.R.;Kothari M., "OpenThruster: An open-source, mostly 3D-printed thruster for marine vehicles", Hardwarex, vol. 23, doi: 10.1016/j.ohx.2025.e00680
2	Rao A.K.;Tripathy T., "Trajectory elongation strategies with minimum curvature discontinuities for a Dubins vehicle", Automatica, vol. 182, doi: 10.1016/j.automatica.2025.112550
3	Priya S.;Shrinata A.;Tripathy T., "Desired group consensus in arbitrary signed networks", European Journal of Control, vol. 85, doi: 10.1016/j.ejcon.2025.101348
4	Kumar D.;Potluri R., "On Optimal Tire Usage in the Path-Tracking Control of Four-Wheel Independent Steering Four-Wheel Independent Drive Electric Vehicles", SAE International Journal of Connected and Automated Vehicles, vol. 9, issue 2, doi: 10.4271/12-09-02-0014
5	Singh K. P.; Rao A.K.;Tripathy T., "Finite-time max-consensus for simultaneous target interception in switching graph topologies", IEEE Transactions on Control of Network Systems, vol. 12, pp. 2350-2360, issue 3, doi: https://doi.org/10.1109/TCNS.2025.3570423
6	Kamthe A.;Thota V; Shrinata A.;Tripathy T., "External bias and opinion clustering in cooperative networks", Automatica, vol. 175, doi: https://doi.org/10.1016/j.automatica.2025.112224

Signal Processing, Communications & Networks

Journal Publications

S.No.	Details of Publications
1	Singh V., Verma N.K., "Variable feature weighted fuzzy k-means algorithm for high dimensional data", Multimedia Tools and Applications, vol. 84, issue 28, pp. 34331-34348, doi: 10.1007/s11042-024-20493-4
2	Mukherjee P., Mandal S., Jerripothula K.R., Maharshi V., Katara K., "Multi-fish tracking with underwater image enhancement by deep network in marine ecosystems", Signal Processing Image Communication, vol. 138, doi: 10.1016/j.image.2025.117321
3	Patel A., Roy D., Singh Y.N., "Empowering immersive XR experience through scalable and cost-effective EPON access networks", Optical Fiber Technology, vol. 94, doi: 10.1016/j.yofte.2025.104332
4	Sumit Kumar; Suraj Jaiswal; Parampreet Singh; Vipul Arora, "Automatic Detection and Analysis of Singing Mistakes for Music Pedagogy", Journal of latex class files, vol. 14, issue 8, doi: 10.36227/techrxiv.23269502.v2
5	Anand Mehrotra, Jitendra Singh, Suraj Srivastava, Rahul Kumar Singh, Aditya K. Jagannatham and Lajos Hanzo, "Multi-dimensional Sparse CSI Acquisition for Hybrid mmWave MIMO OTFS Systems", IEEE Transactions on Communications, vol. 73, issue 9, pp. 8330 - 8344, doi: 10.1109/TCOMM.2025.3549501
6	Awadhesh Gupta, Prudhviram Ganji, Suraj Srivastava, Aditya K. Jagannatham, "Data-Aided Bistatic Sensing and Communication for mmWave MIMO-OFDM ISAC System", IEEE Transactions on Communications, vol. 73, issue 10, pp. 9720 – 9734, doi: 10.1109/TCOMM.2025.3562360
7	Meesam Jafri, P. Kumar, Suraj Srivastava, Aditya K. Jagannatham and Lajos Hanzo, "Robust Hybrid Beamforming in Cooperative Cell-free mmWave MIMO Networks Relying on Imperfect CSI", IEEE Transactions on Vehicular Technology, vol. 74, issue 8, pp. 12590 – 12602, doi: 10.1109/TVT.2025.3555484
8	Meesam Jafri, S. Kumar, Suraj Srivastava and Aditya K. Jagannatham, "Distributed Hybrid Beamforming in mmWave Multi-Cell Systems in the Presence of Cell-Edge Users Relying on Stochastic Channel Uncertainty", IEEE Transactions on Communications, vol. 73, issue 7, pp. 5344 – 5356, doi: 10.1109/TCOMM.2024.3519535
9	Abhisha Garg, Suraj Srivastava, Varsha Dubey, Aditya K. Jagannatham and Lajos Hanzo, "Semi-Blind Channel Estimation and Hybrid Receiver Beamforming in the Tera-Hertz Multi-User Massive MIMO Uplink", IEEE Transactions on Vehicular Technology,



PUBLICATIONS (JULY - DECEMBER 2025)

S.No.	Details of Publications
10	Priyanka Maity, Deepika Harish, Suraj Srivastava, Aditya K. Jagannatham, and Lajos Hanzo, “ Variational Bayesian Learning for 3D Localization of Extended Targets in mmWave MIMO OFDM ISAC Systems ”, IEEE Open Journal of the Communications Society, vol. 6, pp. 4421 – 4436, doi: 10.1109/OJCOMS.2025.3567429
11	Awadhesh Gupta, Jitendra Singh, Suraj Srivastava, Aditya K. Jagannatham, and Lajos Hanzo, “ Bayesian Learning Aided Parameter Estimation and Joint Beamformer Design in mmWave MIMO-OFDM ISAC Systems ”, IEEE Transactions on Communications, vol. 73, issue 11, pp. 12518 – 12532, doi: 10.1109/TCOMM.2025.3578813
12	Jitendra Singh, Anand Mehrotra, Suraj Srivastava, Aditya K. Jagannatham and Lajos Hanzo, “ Spectral Efficiency Maximization for mmWave MIMO-Aided Integrated Sensing and Communication Under Practical Constraints ”, IEEE Transactions on Vehicular Technology, vol. 74, issue 11, pp. 17413-17428, doi: 10.1109/TVT.2025.3577955
13	Priyanka Maity, Suraj Srivastava, Aditya K. Jagannatham and Lajos Hanzo, “ Joint Angle and Velocity-Estimation for Target Localization in Bistatic mmWave MIMO Radar in the Presence of Clutter ”, IEEE Transactions on Communications (Early Access), vol. 73, issue 10, pp. 9846 – 9860, doi: 10.1109/TCOMM.2025.3581046
14	Jitendra Singh, Banda Naveen, Suraj Srivastava, Aditya K. Jagannatham, and Lajos Hanzo, “ Optimal Hybrid Transmit Beamforming for mm-Wave Integrated Sensing and Communication ”, IEEE Transactions on Communications, vol. 73, issue 12, pp. 15068 – 15082, doi: 10.1109/TCOMM.2025.3610165
15	Awadhesh Gupta, Suraj Srivastava, Aditya K. Jagannatham, and Lajos Hanzo, “ Beam-Squint Aware Sparse Techniques for Massive MIMO-OFDM Integrated Sensing and Communication ”. IEEE Transactions on Vehicular Technology, pp. 1-16, doi: 10.1109/TVT.2025.3618205
16	Priyanka Maity, Deepika Harish, Suraj Srivastava, Aditya K. Jagannatham, and Lajos Hanzo, “ Super-Resolution-Based Bayesian Learning for the Localization of Extended Targets in mmWave MIMO OFDM Systems ”, IEEE Open Journal of Vehicular Technology
17	Shubham Saxena, Saurabh Sharma, Suraj Srivastava, Aditya K. Jagannatham, and Lajos Hanzo, “ Multiple Measurement Vector Based Bayesian Learning for Simultaneously Sparse Time/Delay-Domain Channel Estimation in ADO-OFDM Visible Light Systems ”, IEEE Transactions on Vehicular Technology
18	Abhisha Garg, Akash Kumar, Suraj Srivastava, Nimish Yadav Aditya K. Jagannatham and Lajos Hanzo, “ Bayesian Learning Aided Simultaneous Sparse Estimation in Dual-Wideband Tera-Hertz Channels in Multi-User Hybrid MIMO systems ”, IEEE Transactions on Vehicular Technology
19	Awadhesh Gupta, Anand Mehrotra, Suraj Srivastava, Aditya K. Jagannatham, “ Sequential Parameter Estimation for Beam Squint Aware THz MIMO-OFDM ISAC Systems ”, IEEE Transactions on Communications

Conference Publications

S.No.	Details of Publications
1	S. Pratapa, T. Sandhan, “ DAAFNet: Domain Adaptive Augmented Feature Network for Biosignal-Based Emotion Recognition ”, IEEE International Conference on Image Processing (ICIP), USA, doi: https://ieeexplore.ieee.org/document/11084497
2	V. Chanchlani, V. Himmatsinghka, A. Himmatsinghka, J. Sandhan, T. Sandhan, “ TagSim: Topic-Informed Attention Guided Similarity Metric for Image Caption Comparison ”, IEEE International Conference on Image Processing (ICIP), USA, doi: https://ieeexplore.ieee.org/document/11084418
3	Awadhesh Gupta, Prudhviram Ganji, Suraj Srivastava, Aditya K. Jagannatham, “ Target Parameter with Gridless Doppler Estimation Using Low-Resolution ADCs in Beam-Squinted THz ISAC System ”, International Workshop on Signal Processing and Artificial Intelligence in Wireless Communications (SPAWC 2025), pp. 1948-3252, doi: 10.1109/SPAWC66079.2025.11143479
4	Pranab Meity, Gourab Ghatak, Abhishek Gupta, “ Optimal RIS Deployment in 2D mmWave Networks under Spatially Correlated Blockages ”, IEEE Globecom, Workshop- Intelligent Movable and Reconfigurable Antennas for Future Wireless Communication and Sensing, Taiwan



PUBLICATIONS (JULY - DECEMBER 2025)

S.No.	Details of Publications
5	Kaushlendra Pandey, Harpreet Dhillon, Abhishek Gupta, "Platooned Networks for Vehicle-to-Everything Connectivity in 6G", IEEE Globecom, Workshop -Integrated, Intelligent and Ubiquitous 6G Connectivity, Taiwan
6	T. Kumar, Z. Alwaisi, Abhishek K Gupta, N. Auluck, Petri Mähönen, "Sustainable Security for Edge AI: Challenges and Solutions", IEEE Globecom, Workshop-A4E AI/ML for Edge/Fog Networks, Taiwan
7	T. Kumar, Z. Alwaisi, Abhishek K Gupta, N. Auluck, Petri Mähönen, "Analyzing Sustainable Security in 6G Networks", IEEE Conference on Communications and Network Security (CNS)- INSEPTION, Avignon France, doi: 10.1109/CNS66487.2025.11194975
8	Rashmi Kumari, Gourab Ghatak, Abhishek Gupta, "Blockage Aware Placement of RIS in IIoT Networks", IEEE Annual International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC), Istanbul, Turkiye, pp. 1-6, doi: 10.1109/PIMRC62392.2025.11274669
9	Shuchi Tripathi, Abhishek Gupta, "Can Blockages Improve Cognitive mmWave Networks with Directional Sensing and Communications", Proc. IEEE International Workshop on Signal Processing and Artificial Intelligence in Wireless Communications SPAWC, Surrey, UK, pp. 1-5, doi: 10.1109/SPAWC66079.2025.11143503
10	Kaushlendra Pandey, H Dhillon, Abhishek Gupta, "Load Distribution Analysis of Platooned Vehicular Networks on a Highway", Proc. IEEE International Workshop on Signal Processing and Artificial Intelligence in Wireless Communications SPAWC, Surrey, UK, pp. 1-5, doi: 10.1109/SPAWC66079.2025.11143400

Optoelectronics and Optical Communication

Journal Publications

S.No.	Details of Publications
1	Viren S. Ram, Tullio de Rubeis, Dario Ambrosini, Rajshekhar Gannavarpu, "Deep learning approach for flow visualization in background-oriented schlieren", Applied Optics, doi: 10.1364/ao.572042
2	Subrahmanya Keremane Narayan, Rajshekhar Gannavarpu, "Precision surface metrology using a rapid optimization method in diffraction phase microscopy", Applied Optics, doi: 10.1364/ao.569841
3	Viren S Ram, Rajshekhar Gannavarpu, "Robust interferogram processing using deep learning and signal subspace method for phase derivative estimation", Optics & Laser Technology, doi: 10.1016/j.optlastec.2025.113616
4	Srivastava R., Singh Y.N. "Capacity-aware resource provisioning by prioritizing the highest capacity band in next-generation multi-band elastic optical networks", Optical Fiber Technology, vol. 94, pp. 104362, doi: 10.1016/j.yofte.2025.104362
5	Srivastava R., Singh Y.N. "A novel fragmentation metric and fragmentation-aware adaptive routing and spectrum allocation algorithm in elastic optical network", Optical Fiber Technology, vol. 94, pp. 104318, doi: 10.1016/j.yofte.2025.104318
6	Gupta N., Das S., Krishnamurthy S., Krishnan S.;Rituraj, "Two-photon absorption study with coupled mode formalism", Jphys Photonics, vol. 7, issue 3, doi: 10.1088/2515-7647/add8d6
7	Srivastava R., Singh Y.N., Lohani V. "Bandwidth demand adaptive link weight aware OSNR based dynamic and hybrid routing, modulation, and spectrum allocation in multi-band multiplexed elastic optical networks", Optical Fiber Technology, vol. 93, pp. 104265, doi: 10.1016/j.yofte.2025.104265
8	Mane O.S., Bhat Y.A., Krishnamurthy S., Rituraj, "Programmable Mach-Zehnder Interferometer without bends for high density and integrated linear operation", Jphys Photonics, vol. 7, issue 3, doi: 10.1088/2515-7647/adcfe0
9	Srivastava R., Singh Y.N., Lohani V., Sharma A., Heera B.S., "Requested bandwidth adaptive network state based adaptive routing and spectrum allocation algorithms in Elastic Optical Network", Optical Fiber Technology, vol. 93, pp. 104243, doi: 10.1016/j.yofte.2025.104243
10	Akhilesh Patel , Dibbendu Roy, Yatindra Nath Singh, "Empowering immersive XR experience through scalable and cost-effective EPON access networks", Optical Fiber Technology, pp. 104332, doi: https://dx.doi.org/10.1016/j.yofte.2025.104332



PUBLICATIONS (JULY - DECEMBER 2025)

S.No.	Details of Publications
11	Sallam Mahmoud, Deepika Kaur, Kuljeet, Jindal Neeru, Kaddoum Georges, Singh Mukesh, Singh Yatindra Nath, "Energy Consumption Forecasting in Net-Zero Energy Buildings: Firefly-Driven LSTM for Smart Consumer Electronics and Edge-Based Energy Optimization", IEEE Transactions on Consumer Electronics, doi: 10.1109/TCE.2025.3646842

Conference Publications

S.No.	Details of Publications
1	Kumar Rajeev, Singh Yatindra Nath, Jayakody, Dushantha Nalin K, "Energy-Efficient UAV Trajectory-Aware Superframe Method for Medium Access Control Protocols", 2025 IEEE Space, Aerospace and Defence Conference (SPACE), doi: https://ieeexplore.ieee.org/document/11170567

RF & Microwave

Journal Publications

S.No.	Details of Publications
1	Gangwar S.;Kar K.K.;Akhtar M.J., "Human hair-derived carbon for flexible, lightweight EMI shielding composites", Diamond and Related Materials, vol. 157, doi: 10.1016/j.diamond.2025.112540
2	Riyaz, Shahnawaz M., Abushad M., Ansari A., Akhtar M.J., Baskey H.B., Husain S., Khan W., "Enhanced microwave absorption properties of Nd-doped barium hexaferrite and reduced graphene oxide nanocomposites in the X-band", Ceramics International, vol. 51, issue 23, pp. 38309-38319, doi: 10.1016/j.ceramint.2025.06.065
3	Maan K.P.S., Vishwakarma R., Srivastava K.V., "Time Modulated Metasurface in X-Band for Radar Countermeasure", Microwave and Optical Technology Letters, vol. 67, issue 8, doi: 10.1002/mop.70366
4	Riyaz, Shahnawaz M., Abushad M., Arshad M., Ansari A., Akhtar M.J., Husain S., Khan W., "Influence of Nd doping on the structural, morphological, magnetic and dielectric properties of M-type strontium hexaferrite nanostructures", Applied Physics A Materials Science and Processing, vol. 131, issue 10, doi: 10.1007/s00339-025-08850-y
5	Kumari P., Gangwar R.K., Chaudhary R.K., "Analyzing the CPW Modes for Frequency Re-Configurability in a Wideband Cylindrical Dielectric Resonator MIMO Antenna", Microwave and Optical Technology Letters, vol. 67, issue 10, doi: 10.1002/mop.70410
6	Dutta R.K., Srivastava K.V., "Two-Dimensional Wide-Angle Beam-Switching Using Beamforming Matrix and Reconfigurable Antenna Array for Base Station Applications", Microwave and Optical Technology Letters, vol. 67, issue 11, doi: 10.1002/mop.70481
7	Ashutosh Kedar, Chinmoy Saha, Yang Yang, M Jaleel Akhtar, "IEEE AP-S/MTT-S Distinguished Instructor Workshop: Igniting RF and Microwave Education in Young Minds [MGA News]", IEEE Microwave Magazine, vol. 26, issue 10, pp. 81-84, doi: 10.1109/mmm.2025.3584445
8	Valeria Vadalà, Giovanni Crupi, Marco Mercuri, Changzhi Li, M. Jaleel Akhtar, Mohammadreza Abbasi, Soroush Araei, Baisakhi Bandyopadhyay, Sinwoo Cho, Mohamed Salah Eleraky, Ruibin Gao, Siyi Huang, Haoyang Jia, Hao Jiang, Seyed Ali Keivanian, Yuchen Li, Francesco Manni, Asif Iftekhar Omi, Rigoberto Vazquez, "The 2025 MTT-S Graduate Student Fellowship Awards [Education News]", IEEE Microwave Magazine, doi: 10.1109/mmm.2025.3564449
9	Baisakhi Bandyopadhyay, Rahul Vishwakarma, Saptarshi Ghosh, Kumar Vaibhav Srivastava, "RCS Reduction of Antenna Array Using Wideband Polarization-Insensitive A-T-A Raserber", Microwave and Optical Technology Letters, vol. 67, issue 12, doi: 10.1002/mop.70492
10	Apala Banerjee, Nilesh K Tiwari, M Jaleel Akhtar, "Microwave Measurement Techniques Using High Sensitivity Planar RF Sensors for Biomedical Applications", IEEE Instrumentation & Measurement Magazine, vol. 28, issue 8, pp. 20-30, doi: 10.1109/MIM.2025.11224694
11	Riyaz, Mohammad Shahnawaz, M Abushad, M Arshad, Azizurrahaman Ansari, MJ Akhtar, Shahid Husain, Wasi Khan, "Influence of Nd doping on the structural, morphological, magnetic and dielectric properties of M-type strontium hexaferrite nanostructures", Applied Physics A, vol. 131, issue 10, pp. 791, doi: 10.1007/s00339-025-08850-y



PUBLICATIONS (JULY - DECEMBER 2025)

S.No.	Details of Publications
12	Prakrati Azad, Ankita Kumari, Surabhi Jain, M Jaleel Akhtar, "Substrate Integrated Waveguide Cavity Resonator based Differential RF Biosensor for Glucose Detection in Blood Serum", IEEE Access, vol. 13, pp. 164846 – 164858, doi: 10.1109/ACCESS.2025.3611675
13	Anshuman Choudhary, M Jaleel Akhtar, "Nanostructured, Highly Flexible, Optically Transparent EMI Shielding Thin Film for Smart Electronics", IEEE Transactions on Electromagnetic Compatibility, vol. 67, issue 5, pp. 1462 – 1470, doi: 10.1109/TEMC.2025.3581564
14	Soumya Chakravarty, Anwesha Khasnobish, M Jaleel Akhtar, "Wideband Near-Field Microwave Imaging with Optimal Standoff Using a Metasurface-Enhanced Printed Dipole Antenna", IEEE Sensors Letters, vol. 9, issue 9, pp. 2475-1472, doi: 10.1109/LSENS.2025.3596310

Conference Publications

S.No.	Details of Publications
1	Mohd Aquib; Dhan Jeet Singh; Teena Sharma; Nishchal K. Verma; M. Jaleel Akhtar, "Examining Fuzzy Cluster Validity Through the Lens of Ecological Diversity", 2025 IEEE International Conference on Fuzzy Systems (FUZZ), pp. 1-6, doi: 10.1109/FUZZ62266.2025.11152281
2	Ankita Kumari, Prakrati Azad, M Jaleel Akhtar, "Magneto-Dielectric Characterization of Materials Using a Slow Wave CPW Based Compact RF Sensor", 2025 105 th ARFTG Microwave Measurement Conference (ARFTG), pp. 1-4, doi: 10.1109/ARFTG65332.2025.11168142
3	Chiranjit Majumder; Nagaditya Poluri; Basudev Majumder, "A 10W, High Gain, Multi-Octave Bandwidth Driver Amplifier for HF Radar's Transmitter Application", 2025 22 nd European Radar Conference (EuRAD), pp. 1-3, doi: 10.23919/EuRAD65285.2025.11234305

Microelectronics and VLSI

Journal Publications

S.No.	Details of Publications
1	Apoorva Singh; Eswaran Jayaraman; Madhu Rawat; Chinmay Bapat; Sundar Kumar Iyer, "Top-illuminated organic photovoltaic cells with slot die coating of functional layers processed in ambient conditions", Flexible and Printed Electronics, doi: 10.1088/2058-8585/ae18e2
2	Yadav S.;Modi J.K.;Ahammed R.;Bhadoria B.S.;Chauhan Y.S.;Agarwal A.;Bhowmick S., "High-Throughput Screening of 2D Photocatalyst Heterostructures with Suppressed Electron–Hole Recombination for Solar Water Splitting", ACS Applied Energy Materials, vol. 8, pp. 14601-14611, issue 19, doi: 10.1021/acsaem.5c02326
3	Rai R.;Nguyen K.Q.;Tran H.D.;Ho V.Q.;Lu C.H.;Wu J.S.;Weng Y.C.;Mazhari B.;Chang E.Y., "Negative bias threshold voltage instability and gate reliability in GaN tri-gate HEMTs with ferroelectric charge-trap gate stack", Applied Physics Letters, vol. 127, issue 10, doi: 10.1063/5.0283587
4	Kaur J.;Saurabh S.;Sahay S., "Skyrmion-based synaptic element with strain-mediated plasticity", Neuromorphic Computing and Engineering, vol. 5, issue 3, doi: 10.1088/2634-4386/adf992
5	Bashir M.Y.;Sharma P.;Sahay S., "1 Transistor-Dynamic Random Access Memory as Synaptic Element for Online Learning", Advanced Intelligent Systems, vol. 7, issue 8, doi: 10.1002/aisy.202400912
6	Rai R.;Tran H.D.;Yang T.Y.;Mazhari B.;Chang E.Y., "Demonstration of high threshold voltage Tri-gate hybrid ferroelectric gate stack GaN HEMT with 1.2 GW/cm ² Baliga's figure-of-merit and highly robust TDDB stability", Applied Physics Letters, vol. 127, issue 3, doi: 10.1063/5.0266142
7	Borkotoky A.;Verma A., "Optimization of VO ₂ synthesis using in-situ resistance measurements", Journal of Alloys and Compounds, vol. 1037, doi: 10.1016/j.jallcom.2025.182492
8	Kumar D.;Verma A., "Gallium flux induced etching of β -Ga ₂ O ₃ in an LPCVD system", Journal of Vacuum Science and Technology A Vacuum Surfaces and Films, vol. 43, issue 5, doi: 10.1116/6.0004596



PUBLICATIONS (JULY - DECEMBER 2025)

S.No.	Details of Publications
9	Bandhu H.;Verma A., "Dynamic color switching in direct laser written Vanadium dioxide patterns", Optics and Laser Technology, vol. 191, doi: 10.1016/j.optlastec.2025.113289
10	Chankla M.;Chen B.R.;Singh S.K.;Chauhan Y.S.;Lee W.J.;Chen N.Y.;Kanjanachuchai S.;Wu T.L., "Demonstration of accurate ID-VG characteristics modeling in SiC mosfets using separated artificial neural networks with small training dataset", Scientific Reports, vol. 15, issue 1, doi: 10.1038/s41598-025-03005-8
11	Ansari M.H.;Thakur S.;Bajpai N.;Maity P.;Lahgere A.;Ahsan S.A.;Shah M.;Chauhan Y.S., "Comprehensive analysis and investigation of GaN LNA for 3 - 4 GHz using different gate-drain spacing", Microelectronic Engineering, vol. 299, doi: 10.1016/j.mee.2025.112361
12	Anwer M.;Verma A., "LPCVD grown n-type doped β -Ga ₂ O ₃ films on c-plane sapphire using TEOS precursor", Materials Science in Semiconductor Processing, vol. 197, doi: 10.1016/j.mssp.2025.109697
13	Hong K.B.;Singh S.K.;Sung C.;Hsiao Y.S.;Hsiao Y.K.;Chauhan Y.S.;Kuo H.C.;Wu T.L.;Tu C.C., "Zero-Power consumption based evaporative cooling for rated current conduction in SiC mosfets", Scientific Reports, vol. 15, issue 1, doi: 10.1038/s41598-025-00946-y
14	Manzoor N., Manzoor W., Nandi D., Dutta A. K., and Chauhan Y. S., "Characterization and Modeling of Fully-Depleted SOI Varactor with Independently-Controlled Front- and Back-Gates for RF Applications", IEEE Transactions on Electron Devices, vol. 72, pp. 3371-3378, issue 7, doi: 10.1109/TED.2025.3566930
15	Manzoor N., Manzoor W., Nandi D., Dutta A. K., and Chauhan Y. S., "Novel Nondestructive Methodology using PV Measurement with NLS-based Analysis and GIXRD for Comprehensive O/T/M Phase Analyses in Ferroelectric HZO", IEEE Transactions on Electron Devices, vol. 72, pp. 3582-3586, issue 7, doi: 10.1109/TED.2025.3573310
16	N. Pandey, D. Basu, Y. S. Chauhan, L. F. Register, and S. K. Banerjee, "Engineering Si-Qubit MOSFET: Quantum-Electrostatic Integration at Cryogenic Temperatures", IEEE Transactions on Electron Devices, vol. 72, pp. 3881-3888, issue 7, doi: 10.1109/TED.2025.3570285
17	A. Sharma, S. S. Parihar, A. Kar, W. Wang, K. Imura, and Y. S. Chauhan, "Characterization and Modeling of SH in Multi-Finger RF LDMOS Transistors Using BSIM-BULK Model", IEEE Journal of the Electron Devices Society, vol. 13, pp. 1243 - 1251, doi: 10.1109/JEDS.2025.3593056
18	D. P. Ravipati, V. M. van Santen, S. S. Parihar, Y. S. Chauhan, P. R. Panda, and H. Amrouch, "Cryo-CACTI: Cryogenic-Aware CACTI for Cache Modeling down to 10K in Advanced 7nm FinFETs", IEEE Transactions on Computers, vol. 74, pp. 2567 - 2580, issue 8, doi: 10.1109/TC.2025.3566899
19	M. H. Ansari, A. Lahgere, S. A. Ahsan, and Y. S. Chauhan, "Physics Based SPICE Model of Slant Field Plate GaN HEMTs", IEEE Transactions on Electron Devices, vol. 72, pp. 4780 - 4787, issue 9, doi: 10.1109/TED.2025.3590356
20	S. Yadav, J. Modi, R. Ahammed, B. Bhaduria, Y. S. Chauhan, A. Agarwal, S. Bhowmick, "High-Throughput Screening of 2D Photocatalyst Heterostructures with Suppressed Electron–Hole Recombination for Solar Water Splitting", ACS Applied Energy Materials, vol. 8, pp. 14601-14611, issue 19, doi: 10.1021/acsam.5c02326
21	A. Aziz, S. Alam, S. Thomann, S. S. Parihar, Y. S. Chauhan, K. Ni, and H. Amrouch, "Energy-Efficient Cryogenic Ternary Content Addressable Memory using Ferroelectric SQUID", npj Unconventional Computing, vol. 2, doi: 10.1038/s44335-025-00039-z
22	M. S. Nazir, M. M. Shayoub, N. Venkatesan, P. Fay, and Y. S. Chauhan, "A Compact Model for Polarization-Graded HEMTs Demonstrating Enhanced Linearity", IEEE Transactions on Electron Devices, vol. 72, pp. 4795 - 4801, issue 9, doi: 10.1109/TED.2025.3592176
23	M. H. Ansari, S. Thakur, N. Bajpai, P. Maity, A. Lahgere, S. A. Ahsan, M. Shah, and Y. S. Chauhan, "Comprehensive Analysis and Investigation of GaN LNA for 3 - 4 GHz using Different Gate-Drain Spacing", Microelectronic Engineering, vol. 299, doi: 10.1016/j.mee.2025.112361
24	L. Parrini, A. Kar, B. Hettwer, T. Soliman, Y. S. Chauhan, H. Amrouch, and N. Wehn, "A Lightweight PUF-based Weights Obfuscation Technique for Secure In-Memory AI Inference", IEEE Transactions on Circuits and Systems I: Regular Papers, vol. 72, pp. 5597 - 5609, issue 10, doi: 10.1109/TCSI.2025.3552902
25	S. S. Parihar, F. Klemme, S. Alam, A. Aziz, Y. S. Chauhan, H. Amrouch, "Modeling and Evaluating Superconducting Ferroelectric SQUID Circuits", IEEE Transactions on Quantum Engineering, vol. 6, pp. 2689-1808, doi: 10.1109/TQE.2025.3619944
26	M. Rafiq, M. S. Nazir, A. Naseer, Y. S. Chauhan, and S. Sahay, "A SPICE-Compatible Compact Model of Ferroelectric Diode", IEEE Journal of Exploratory Solid-State Computational Devices and Circuits, vol. 11, pp. 166-170, doi: 10.1109/JXCDC.2025.3624212



PUBLICATIONS (JULY - DECEMBER 2025)

S.No.	Details of Publications
27	N. Manzoor, D. Nandi, C. Gupta, A. K. Dutta, and Y. S. Chauhan, "Modeling of Gate-Induced-Drain-Leakage Under Low Electric Field in FDSOI MOSFETs", IEEE Transactions on Electron Devices, vol. 72, pp. 5321 - 5327, issue 10, doi: 10.1109/TED.2025.3601574
28	S. K. Singh, B. -N. Chu, K. H. Lam, M. -Y. Huang, H. -M. Chen, C. -H. Yen, Y. S. Chauhan and T. -L. Wu, "A Physics-Based SPICE Compact Model for β -Ga ₂ O ₃ Schottky Barrier Diode (SBD) Aiming at Circuit Design: A Demonstration through Modeling of AC Rectification Characteristics", IEEE Transactions on Electron Devices, vol. 72, pp. 5892-5899, issue 11, doi: 10.1109/TED.2025.3604404
29	S. Deshwal, S. Shahin, A. Kar, Y. S. Chauhan, and H. Amrouch, "Impact of Aging, Self-Heating and Parasitics Effects on NSFET and CFET", IEEE Journal of Exploratory Solid-State Computational Devices and Circuits, vol. 11, pp. 188-196, doi: 10.1109/JXCD.2025.3624653
30	Mayank Anupam and Imon Mondal, "A 2.7–15.5 GHz Programmable Bandwidth Continuous-Time Active Filter in 65 nm CMOS", IEEE Journal of Solid-State Circuits (IEEE JSSC), Early Access, 2025, pp. 1 - 16, doi: 10.1109/JSSC.2025.3643145
31	Sameer Kumar and Imon Mondal, "Design and Analysis of a Source Parasitic Insensitive Fully-Passive N-Path Receiver With Sub-3 dB NF", IEEE Journal of Solid-State Circuits (IEEE JSSC), Early Access, 2025, pp. 1 - 12, doi: 10.1109/JSSC.2025.3610647
32	Mohmad Aasif Bhat and Imon Mondal, "A 3–5.5 GHz Compact, Power-Efficient, Switched LC Delay-Line With 0.2–1.1 ns Delay Range", IEEE Journal of Solid-State Circuits (IEEE JSSC), Early Access, 2025, pp. 1 - 15, doi: 10.1109/JSSC.2025.3590509
33	M. H. Ansari, A. Lahgere, S. Aamir Ahsan and Y. Singh Chauhan, "Physics-Based SPICE Model of Slant Field Plate GaN HEMTs", IEEE Transactions on Electron Devices, vol. 72, pp. 4780-4787, doi: 10.1109/TED.2025.3590356
34	Prabhat Khedgarkar, Mohit D. Ganeriwala, Gangadhar Gupta, Pardeep Duhan, "1/f noise model for extracting bulk trap density in scaled metal oxide semiconductor field effect transistors", Journal of Applied Physics, vol. 138, issue 24, doi: https://doi.org/10.1063/5.0299430

Conference Publications

S.No.	Details of Publications
1	S. Thakur, M. H. Ansari, N. Poluri, and Y. S. Chauhan, "A Highly Linear GaN LNA with 0.89 dB Noise Figure for 5G Networks", IEEE Asia-Pacific Microwave Conference (APMC), Jeju, Korea
2	S. Thakur, H. Singh, S. Sharma, S. Kumar, N. Poluri, A. Lahgere, Y. S. Chauhan, "Graphical Method for Designing Distributed Matching Network for Broadband GaN PAs", IEEE Microwaves, Antennas and Propagation Conference (MAPCON), Kochi, India
3	S. Thakur, H. Singh, S. Gundla, S. Kumar, N. Poluri, A. Lahgere, Y. S. Chauhan, "Dual-Band GaN Power Amplifier Covering Wide Frequency Ratio for Sub-6 GHz 5G Application", IEEE Microwaves, Antennas and Propagation Conference (MAPCON), Kochi, India,
4	N. Jaiswal, A. Mecwan, D. Mishra, S. K. Garg, G. Salla, Y. Chauhan, N. Poluri, "Novel Varactor-Based Network for Enhancing Efficiency of Class-J RFPA by Second Harmonic Injection", IEEE Microwaves, Antennas and Propagation Conference (MAPCON), Kochi, India
5	A. Naseer, S. Yadav, S. Bhowmick, A. Agarwal, Y. S. Chauhan, "Steep-Slope Field-Effect Transistors Enabled by 2D Material-based Heterostructures", IEEE International Conference on Emerging Electronics (ICEE), Bengaluru
6	M. H. Ansari, P. Pal, A. Lahgere, Y.-Y. Hsieh, M. L. Chou, Y. S. Chauhan, "Temperature Scalable SPICE Model for Kink Effect in GaN HEMTs for High-Power Applications", IEEE International Conference on Emerging Electronics (ICEE), Bengaluru, India
7	M. H. Ansari, S. Thakur, A. Lahgere, Y. S. Chauhan, "Survivability and Power Handling of a Packaged GaN MMIC for RF Front-End Systems", IEEE International Conference on Emerging Electronics (ICEE), Bengaluru, India



PUBLICATIONS (JULY - DECEMBER 2025)

S.No.	Details of Publications
8	S. Shahin, H. Raza, Y. S. Chauhan, A. Lahgere, H. Amrouch, "Radiation Effects on a-IWO TFT-based Complementary Circuits for 3D Integration", IEEE International Conference on Emerging Electronics (ICEE), Bengaluru, India
9	Y. A. Bhat, Y. S. Chauhan, Rituraj, "Compact Bend-Less Mach-Zehnder Interferometer on Barium Titanate for Programmable Photonics", IEEE International Conference on Emerging Electronics (ICEE), Bengaluru, India, 2025
10	M. M. Shayoub, S. Thakur, N. Poluri, A. Vasilev, Y. S. Chauhan, "Demonstration of a Scalable GaN HEMT Model and PA Design Including Self-Heating Effect", IEEE International Conference on Emerging Electronics (ICEE), Bengaluru, India
11	N. Manzoor, D. Nandi, A. K. Dutta, and Y. S. Chauhan, "An All-Region Model of Gate-Induced-Drain-Leakage Current in FDSOI MOSFETs Valid down to Cryogenic Temperatures", IEEE International Conference on Emerging Electronics (ICEE), Bengaluru, India
12	S. Yadav, A. Naseer, J. K. Modi, B. S. Bhadaria, A. Agarwal, Y. S. Chauhan, S. Bhowmick, "Electric Field Tunable Electronic Structure of GaS-PtSe ₂ Heterostructure", International Workshop on Physics of Semiconductor Devices (IWPSD), Roorkee, India
13	A. Rahman and Chithra, "Design considerations for a third order passive loop filter in a PLL", 2025 IEEE Asia Pacific Conference on Circuits and Systems (APCCAS), Busan, Korea
14	Mohmad Aasif Bhat and Imon Mondal, "An LPTV Programmable Bandpass True-time-Delay Line Without External Clock-Phase Shifter", Proc. 2025 IEEE ISCAS, London

Power Engineering

Journal Publications

S.No.	Details of Publications
1	Paul S.K.;Mohapatra A.;Das D.C., "Chance-constrained robust dynamic OPF in mutually coupled distribution networks with uncertain injections", Optimization and Engineering, vol. 26, pp. 1933-1955, issue 3, doi: 10.1007/s11081-025-09962-3
2	Arora M.;Vishwanath G.M.;Sharma A.;Chilamkurti N., "A novel congestion based pricing model for prosumer-centric smart grid systems", Electric Power Systems Research, vol. 247, doi: 10.1016/j.epsr.2025.111732
3	Suresh K.;Kanakasabapathy P.;Chakrabarti S.;Panda S.K., "Voltage Stability Assessment in Radial Distribution Systems: Leveraging Artificial Neural Networks for High Penetration of Solar PV and EVs", International Journal of Smart Grid, vol. 9, pp. 158-175, issue 3, doi: 10.20508/ijsmartgrid.v9i3.529.g396
4	Darshan Prakash Borthakur; Alok Ranjan Verma, "Novel Technique to Understand the Interaction of Silicone Oil and Grease With Silicone Rubber for Cable Accessories", IEEE Transactions on Dielectrics and Electrical Insulation, doi: 10.1109/tdei.2025.3580699
5	Arora M.;Vishwanath G.M.;Sharma A.;Chilamkurti N., "Adaptive ensemble learning for real-time detection of price manipulation attacks on smart meters", Sustainable Energy Grids and Networks, vol. 43, doi: 10.1016/j.segan.2025.101881
6	P. Roy, A. Bandyopadhyay, M. Kurre, N. H. Charan, P. Ramakrishna, and Piyush Kant, "Development of Three-level F-Type Inverter fed PMSM Drive with ANN-assisted $\alpha\beta'$ -Framed Virtual SVPWM for Electric Propulsion", IEEE Transactions on Industry Applications, Early Access Article
7	D. Singh, N. Sandeep, and Piyush Kant, "Design and Implementation of a Nine-Level Double-Boost Common-Ground Inverter With Minimal Component Count", IEEE Transactions on Circuits and Systems II: Express Briefs, Early Access Article, doi: 10.1109/TCSII.2025.3638167
8	B. Sriram and N. Gupta, "A Data-Driven Approach to the Estimation of Charge Transport Parameters in Polymeric Dielectrics", IEEE Transactions on Dielectrics and Electrical Insulation, doi: 10.1109/TDEI.2025.3633233



PUBLICATIONS (JULY - DECEMBER 2025)

S.No.	Details of Publications
9	V. Kumar, N. Gupta, and P. K. Agnihotri, "Inducing in Situ Delamination Monitoring With Enhanced Fracture Toughness in Fiber-Metal Laminates Using Carbon Nanotubes", <i>Polymer Composites</i> (2025), pp. 1–14, doi: https://doi.org/10.1002/pc.70725
10	S. K. Maurya, A. Mohapatra and A. Sharma, "Generalized Neural Network to Locate Fault in DC Microgrid Using Limited Initial Samples", <i>IEEE Transactions on Power Delivery</i> , doi: 10.1109/TPWRD.2025.3647364
11	Mayank Arora, Gururaj Mirle Vishwanatha, Ankush Sharma, Naveen Chilamkurti, "Incentive model for fair and resilient peer-to-peer energy trading based on the time value of money", <i>Utility Policy</i> (Elsevier), vol. 99, pp. 01-14, doi: https://doi.org/10.1016/j.jup.2025.102122
12	Neeraj Kumar Sharma, Saikat Chakrabarti, Ankush Sharma, "Coordinated State Estimation of Power Transmission and Distribution Systems", <i>IET Generation, Transmission, and Distribution</i> , vol. 19, pp. 01-13, doi: https://doi.org/10.1049/gtd2.70163
13	S Verma, A Sharma, B Tran, D Alahakoon, "Emulating Real-World EV Charging Profiles with a Real-Time Simulation Environment", <i>Machines</i> , vol. 13, pp. 791-811, issue 9, doi: https://doi.org/10.3390/machines13090791
14	NK Sharma, S Chakrabarti, A Sharma, "Angle Reference Based Three-Phase State Estimation of Power Distribution Systems", <i>IEEE Transactions on Industrial Informatics</i> , vol. 21, pp. 9515 - 9525, issue 12, doi: 10.1109/TII.2025.3598497
15	S Chatterjee, S Chakrabarti, A Mohapatra, "Adaptive and Robust Distribution System State Estimator Handling Unknown Noise Statistics", <i>IEEE Transactions on Industrial Informatics</i> , vol. 21, pp. 8960 - 8970, issue 11, doi: 10.1109/TII.2025.3593914
16	S Chatterjee, S Ghosh, S Chakrabarti, A Mohapatra, "Data-Driven Bayesian Framework to Mitigate Smart Meter Asynchrony in Forecasting Aided Distribution System State Estimation", <i>IEEE Transactions on Instrumentation and Measurement</i> , vol. 74, doi: 10.1109/TIM.2025.3577850
17	M Sehrawat, S Chakrabarti, K Rajawat, "Dynamic state estimator for power systems modeled by constrained differential-algebraic equations", <i>Electric Power Systems Research</i> , vol. 242, doi: https://doi.org/10.1016/j.epsr.2025.111419
18	JK Mahawar, M Sehrawat, GM Vishwanath, S Chakrabarti, "Multi-Target Control Technique for DFIG Under Unbalanced Voltage", <i>IEEE Transactions on Energy Conversion</i> , vol. 40, pp. 2022 - 2035, issue 3, doi: 10.1109/TEC.2025.3539425
19	NK Sharma, S Chakrabarti, A Sharma, "Coordinated State Estimation of Power Transmission and Distribution Systems", <i>IET Generation, Transmission & Distribution</i> , vol. 19, pp. e70163, doi: 10.1049/gtd2.70163
20	M. Singh, S. Samanta and S. P. Das, "A Circulating Current Control Technique in a Three-Phase Parallel-Connected Integrated Onboard Charger", <i>IEEE Journal of Emerging and Selected Topics in Industrial Electronics</i> , vol. 7, pp. 335 - 347, issue 1, doi: 10.1109/JESTIE.2025.3639823
21	J. Kumar, R. Gupta, A. Pandey, S. Samanta, A. K. Rathore, "Design and Control Methods for Electric Vehicle Charging in Wireless Power Transfer Topologies", <i>IEEJ Journal of Industry Applications</i> , vol. 14, pp. 509-522, issue 4, doi: 10.1541/ieejjia.24010874

Conference Publications

S.No.	Details of Publications
1	A. R. Choudhury, P. Paramasivam, Piyush Kant, and A. Jamatia, "Control of A Novel Non-Isolated Semi-Quadratic Boost Converter Using Double Active Switch", <i>IEEE Silchar Subsection Conference (SILCON)</i> , NIT Nagaland, Nov-2025
2	D. Singh, Sandeep N, and Piyush Kant, "An 11-Level Common-Ground Multilevel Quintuple-Boost Inverter for Grid-Tied PV Applications", <i>4th IEEE International Conference on Power Electronics Smart Grid and Renewable Energy (PESGRE)</i> , IIT Dharwad, Dec-2025



PUBLICATIONS (JULY - DECEMBER 2025)

S.No.	Details of Publications
3	A. Gupta, Piyush Kant, and S. K. Dube, "H-Bridge and T-Type Dominance in Quad Active Bridge Converter Performance: A Comparative Analysis", 4 th IEEE International Conference on Power Electronics Smart Grid and Renewable Energy (PESGRE), IIT Dharwad, Dec-2025
4	A. Gupta, Piyush Kant, and S. K. Dube, "Design and FEM Analysis of High Frequency Transformer using ANSYS Maxwell for Galvanic Isolation Application", 4 th International Conference on Smart Technologies for Power, Energy, and Control (STPEC), NIT-Goa, Dec-2025
5	D. Singh, Sandeep N, and Piyush Kant, "A Seven-Level Triple-Boost Common-Ground Multilevel Inverter With Reduced Voltage Stress", 4 th International Conference on Smart Technologies for Power, Energy, and Control (STPEC), NIT-Goa, Dec-2025
6	B. Venkatesh and Piyush Kant, "Sensorless Control of IPMSM using PLL based on rotor flux", 12 th National Power Electronics Conference (NPEC), NIT-Calicut, Dec-2025
7	A. Gupta, D. Singh, Piyush Kant, and S. K. Dube, "Steady-State and Small-Signal Analysis of a T-Type DAB Converter Using a Generalized Averaging Approach", 12 th National Power Electronics Conference (NPEC), NIT-Calicut, Dec-2025
8	A. R. Choudhury, P. Paramasivam, Piyush Kant, and A. Jamatia, "A Novel Non-Isolated Semi-Quadratic Boost Converter And It's Control", 12 th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON), IIT-BHU, Dec-2025
9	S. Kumar, S. P. Das, and Piyush Kant, "A Generalized Approach to Sector Detection for a Multilevel Inverter Using Space Vector PWM Technique", IEEE 5 th International Conference on Sustainable Energy and Future Electric Transportation (SEFET), NIT-Jaipur, July-2025
10	P. Bisen, N. Pandey, and Piyush Kant, "Vector Control of SiC MOSFET Based Neutral Point Clamped (NPC) fed Induction Motor Drive Using Common Mode Voltage Injection Technique", IEEE 5 th International Conference on Sustainable Energy and Future Electric Transportation (SEFET), NIT-Jaipur, July-2025
11	P. Das, P. K. Patel, S. Basu and N. Gupta, "Estimation of Water Uptake in Epoxy Resin Through MD Simulation", 2025 IEEE Conference on Electrical Insulation and Dielectric Phenomena (CEIDP), Manchester, United Kingdom, 2025, pp. 371-374, doi: 10.1109/CEIDP61707.2025.11218303



PROJECTS SANCTIONED (JULY - DECEMBER 2025)

Projects

Sl No.	Principal Investigator	Project Title
1	Md. Jaleel Akhtar	Transforming India'S Digital Landscape: Harnessing Reconfigurable Intelligent Surfaces For Enhanced Connectivity And Sustainability
2	Abheejet Mohapatra	Relay Setting Vaildation (132/33 Kv Receiving Sub Station (Rss),And Detailed Study Of Protection System Of Mpmrcl (Bhopal Metro Rail Project)
3	Rohit Budhiraja	6g Cell-Free And Integrated Sensing And Communication(Isac) Technologies
4	Rohit Budhiraja	Advanced Executive Program On Emerging Communication Technologies For Probationers Of Its Group
5	Saikat Chakrabarti	Upsida Technical Inspection Of 33 Kv Feeder
6	Tushar Balasaheb Sandhan	Deep Portrait Video Relighting
7	Yatindra Nath Singh	Development Of Dcs For Use In Cbtc Solution Developed By The Hbl
8	Koteswar Rao Jerripothula	Dolby Gift Award
9	Rohit Budhiraja	Alogrithm Design For Green 6g Wireless Networks
10	Aditya K. Jagannatham	Genrative Adversarial Network(Gan)-Augmented Multi-User Csi For Channel Charting Beyond 5g Networks
11	Ashwin Kumar Ramakrishnan Sivaku	Consultancy For Adc Design
12	Adrish Banerjee	Applications Of Coding Theoretic Techniques In Distributed Computing And Reinforcement Learning
13	Abhilash Patel	Development Of Space Probiotics For Vitamin D Production
14	Debdatta Ray	Design And Development Of Plasmonic Point-Of-Care Biosensors Or Diagnosing Cardiovascular Diseases Of Astronauts In Space
15	Nagaditya Poluri	Design And Development Of High-Efficiency Low-Cost 120 W C Band Power Amplifiers
16	Ankush Sharma	Development Of Energy Integration For Microgrids (Rural,Semi Urban, Urban) Implemented By Iit Kanpur
17	Rajesh Mahanand Hegde	Gap Analysis And Rfp Vetting For Upsida Applications
18	Abhishek Kumar Gupta	Constellation Shaping In Wireless Networks
19	Imon Mondal	An Lptv Programmable Bandpass True-Time
20	Swathi Battula	Utilization Of Battery Energy Storage System For Providing Market Based Ancillary Services And Energy Arbitrage
21	Aditya K. Jagannatham	Ci-Cav: Cooperative Isac For Next-Generation Cav To Enhance Vehicular Communication
22	Imon Mondal	Consultancy For The Rfic Project



PROJECTS SANCTIONED (JULY - DECEMBER 2025)

Projects

Sl No.	Principal Investigator	Project Title
23	Arnab Bose	Neuromorphic And In-Memory Computing (Imc) Techniques For Acceleration Of Deep Neural Networks (Dnns) With Fast And Energy Efficient Spintronic Devices From Scratch
24	Nandini Gupta	Machine Learning Assisted Detection Of Space Charge In Electric Vehicle Charging Cable Insulation



NEWS COVERAGE (JULY - DECEMBER 2025)

IIT Kanpur's Prof. Rohit Budhiraja Highlights India's Contributions to Global 6G Standardisation at Bharat 6G Alliance Review

July 11, 2025 Author: [Author](#)

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News Mantra
6G

Bengaluru, 11 July 2025: The Union Minister of Communications, Shri Jyotiraditya M. Scindia, along with Secretary, Telecom, Shri (Dr) Neeraj Mittal, chaired a high-level review meeting of the Bharat 6G Alliance (B6GA) to assess India's progress toward becoming a global leader in 6G by 2030. The event included comprehensive presentations from working group Chairpersons, outlining actionable plans and key technological advancements. Among them was Prof. Rohit Budhiraja, Vice Chair of B6GA and Professor in the Department of Electrical Engineering at IIT Kanpur, who delivered a presentation titled "Global 6G Standardisation".

He shared India's growing contributions to international standard-setting bodies such as 3GPP and ITU, and emphasized the importance of aligning national efforts with global benchmarks.



NEWSMANTRA.JN
IIT Kanpur's Prof. Rohit Budhiraja Highlights India's Contributions to Global 6G Standardisation at Bharat 6G Alliance Review

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IIT KANPUR'S PROF. ROHIT BUDHIRAJA HIGHLIGHTS INDIA'S CONTRIBUTIONS TO GLOBAL 6G STANDARDISATION AT BHARAT 6G ALLIANCE REVIEW

By Mahender on July 11, 2025 PR

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IIT Kanpur's Prof. Rohit Budhiraja Highlights India's Contributions to Global 6G Standardisation at Bharat 6G Alliance Review



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IIT Professor Highlights India's Contributions to Global 6G Standardisation at Bharat 6G Alliance Review

By PNI Admin — On Jul 11, 2025



IIT Kanpur's Prof. Rohit Budhiraja Highlights India's Contributions to Global 6G Standardisation at Bharat 6G Alliance Review

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ALUMNI RECOGNITION (JULY - DECEMBER 2025)



Prof. Tadinada Venkata Prabhakar
(BT/EE/1980, MT/CSE/1982)
Institute Fellow



Shri Awanish Kumar Awasthi
(BT/EE/1985)
Distinguished Alumni Award 2025



Prof. Dinesh Bharadwaj
(BT/EE/2010)
Young Alumni Award 2025



Shri Rishi Kapoor
(BT/EE/1988)
Distinguished Alumni Award 2025



Shri Ambuj Kumar
(BT/EE/2002)
Distinguished Alumni Award 2025



Prof. Rajesh Gupta
(BT/EE/1984)
Founding Dean of the School of
Computing, Information and Data
Sciences (SCIDS) at UC San Diego



Prof. Ajit Kumar Chaturvedi
(B.Tech. in 1986 | M.Tech. in
1988 | Ph.D. 1995)
Vice-Chancellor
of Banaras Hindu University



Dr. Neeraj Mittal
(BT/EE/1989)
Secretary, Ministry of
Petroleum and Natural Gas



Prof. Mahesh Mishra
(Ph.D./EE/2002)
Named IEEE Fellow



FACULTY RECOGNITION (JULY - DECEMBER 2025)



Prof. Rajshekhar Gannavarpu
Pradeep Sindhu Chair



Prof. Rohit Budhiraja
Satish Chandra Agarwal Chair



Prof. Kumar Vaibhav Srivastava
Yadupati Singhania Memorial Chair



Prof. Raghvendra Chaudhary
PK Kelkar Fellowship



Prof. Tushar Balasaheb Sandhan
Cherian and Vigny Mathew Faculty
Fellowship for AI



Prof. Aditya K. Jagannatham
Excellence In Teaching Award 2025



Prof. Baquer Mazhari
Excellence In Teaching Award 2025



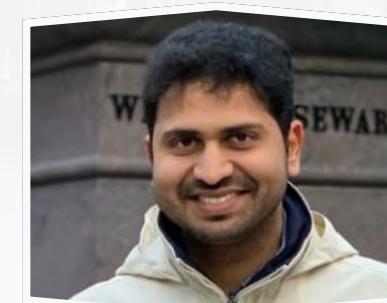
Prof. Shubham Sahay
Excellence In Teaching Award 2025



Prof. Saikat Chakrabarti
IEEE Fellow



Prof. Yogesh S. Chauhan
Fellow of the Indian Academy of Sciences



Prof. Shubham Sahay
Associate of the Indian Academy of Sciences



FACULTY & STUDENT AWARDS (JULY – DECEMBER 2025)



Prof. Imon Mondal
Assistant Professor, EE IITK



Mayank Anupam
(PhD/EE)



Mohmad Aasif Bhat
(PhD/EE)

Prof. Imon Mondal and his students Mayank Annupam and Mohmad Aasif Bhat for winning Qualcomm Innovation Fellowship (QIF) 2025



Prof. Aditya K. Jagannatham
Professor, EE IITK



Abhisha Garg
(PhD/EE)



Raghav Shukla
(B.Tech/EE)

Prof. Aditya K. Jagannatham and his students Abhisha Garg and Raghav Shukla for winning Qualcomm Innovation Fellowship (QIF) 2025



STUDENTS AWARDS (JULY - DECEMBER 2025)



Sivada M. S (MSR/EE)

Best Paper Award at the IEEE Wireless Antenna and Microwave Symposium 2025. Paper Title: “Mitigation of Grating Lobes in Planar Arrays Using 2D Subarray Null Steering.”

Thesis Supervisor Prof. A. R. Harish



Abhisha Garg (PhD/EE)

for being awarded IEEE Signal Processing Society (SPS) Scholarship 2025

Thesis Supervisor Prof. Aditya K. Jagannatham



Shivangi Dubey (PhD/EE)

for being awarded IEEE Signal Processing Society (SPS) Scholarship 2025

Thesis Supervisor Prof. Ketan Rajawat



Hidangmayum Bebina Devi (PhD/EE)

for being awarded IEEE Signal Processing Society (SPS) Scholarship 2025

Thesis Supervisor Prof. Tushar Balasaheb Sandhan



Sylvie Rana (PhD/EE)

WAMS Society Award for Best Student Paper Award in All Tracks at WAMS 2025

Thesis Supervisor Prof. A. R. Harish



Yallanki Sai Sreenija (MSR/EE)

WAMS Society Award for Best Student Paper Award in All Tracks at WAMS 2025

Thesis Supervisor Prof. A. R. Harish



Rishi Mishra (PhD/EE)

WAMS Society Award for Best Student Paper Award in All Tracks at WAMS 2025

Thesis Supervisor Prof. A. R. Harish



Gul Naqvi (M.Tech/EE)

WAMS Society Award for Best Student Paper Award in All Tracks at WAMS 2025

Thesis Supervisor Prof. A. R. Harish



STUDENTS AWARDS (JULY - DECEMBER 2025)



Jalaj Kumar (PhD/EE)

GRID-INDIA Power System Award (GIPSA) 2025-26

Thesis Supervisor Prof. Suvendu Samanta



Yasir Ahmad Bhat (PhD/EE)

Best Poster Award at ICEE 2025. Paper Title: “415-Compact Bend-Less Mach-Zehnder Interferometer on Barium Titanate for Programmable Photonics.”

Thesis Supervisor Prof. Yogesh S. Chauhan



Ashish Kumar Gupta (PhD/EE)

Best Paper Award at 2025 IEEE 4th International Conference on Smart Technologies for Power, Energy and Control (STPEC 2025)

Thesis Supervisor Prof. Piyush Kant

EE ALUMNI REUNION



Department of Electrical Engineering Welcomed Its Postgraduate Alumni For PARWA 2025



Department of Electrical Engineering hosted alumni of 1986 batch under the IIT Kanpur's Ruby Jubilee Reunion of IITK'82



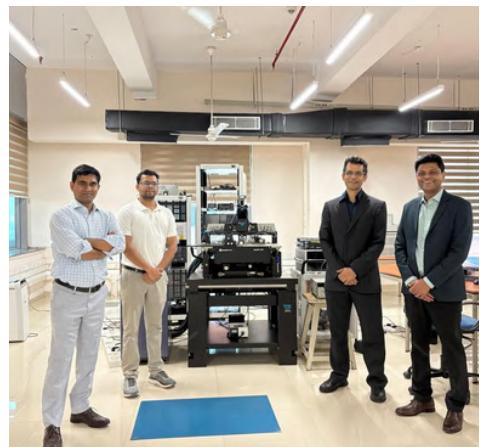
During their Silver Jubilee Reunion, Department of Electrical Engineering hosted their class of 2000 alumni

GALLERY

The IEEE DEIS Summer School 2025 on the theme of "Insulating and Multifunctional Dielectrics" is being hosted for the first time in India, at IIT Kanpur



The Department of Electrical Engineering, IIT Kanpur, hosted a delegation from Axiro Semiconductor Pvt. Ltd., led by Dr. Naveen Yanduru (CEO) and Dr. Himanshu Khatri (VP Engineering). The visit included a talk on “Specialization in RF and Analog IC Design” followed by faculty interactions and lab visits.



GALLERY



Batch 2025 Freshers Party organized by EEA



NEWSLETTER

DEPARTMENT OF

ELECTRICAL ENGINEERING

Indian Institute of Technology Kanpur



Head, Electrical Engineering IIT Kanpur



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