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## ABOUT THE DEPARTMENT

### VISION

Global leadership and excellence in academics and research in electronics and communication engineering.

### MISSION

- To deliver a competitive academic curriculum for intellectual growth and Multi-disciplinary skill acquisition.
- Promoting quality education, scientific awareness for future endeavors in higher education and career in electronics and communication industry.
- To cater to the need of promoting leadership and professionalism with human values

The Department of Electronics & Communication Engineering (ECE) at Manipal University Jaipur provides best learning environment for imparting scientific knowledge to develop practical design engineers. Keeping pace with latest technological trends and expectations of society, the department has adapted itself with continuous involvement of its stakeholders. The faculty at ECE always motivate and nurture students' inclination towards research and development with access to sophisticated PCB prototyping machine and latest software for publications in conferences and Journals of repute. The department offers 2 Undergraduate programs in Electronics and Communication Engineering and Electronics Engineering (VLSI Design & Technology); 1 Postgraduate program in VLSI and Embedded System Design and Doctorate program. The well-equipped laboratories and resourceful library at MUJ constitute the best info-oriented junction for the students.

The flexible curriculum at MUJ offers a diversified course bucket to pursue students' interest in communication systems, semiconductor and optical devices, electronic circuits, together with assembly languages, programming languages, and embedded systems, thereby opening gates to interdisciplinary growth with a wide choice of career options to pursue their interest. The ECE graduates have been spread successfully in software as well as hardware industry.



# HAPPENINGS AT THE DEPARTMENT



2-day workshop organized under MOU between IEEE MTT-S and IETE, New Delhi on 21-22 Nov 2024



Department of ECE signed an MoU with VLSI Society of India on 8 November 2024 in the presence of Dr Satya Gupta, President VSI



Department of ECE signed an MoU with SoCTeamup Semiconductors Pvt Ltd on 9 October 2024



Farewell Ceremony to celebrate graduating students was organized on 29 November 2024



Invited talk by Mr Hemendra Talesara, a semiconductor industry veteran of having more than 35 years of experience in companies like AMD, Synopsys and IBM in USA on 11 December 2024



Two-day workshop titled "Innovation in Intelligent Surfaces, Antennas for 4G, and Microwave Simulation Techniques through Tarang Platform" on 21-22 November 2024 under MoU with IEEE MTT-S and IETE, Delhi

## Student Chapters at ECE, MUJ





# HAPPENINGS AT THE DEPARTMENT



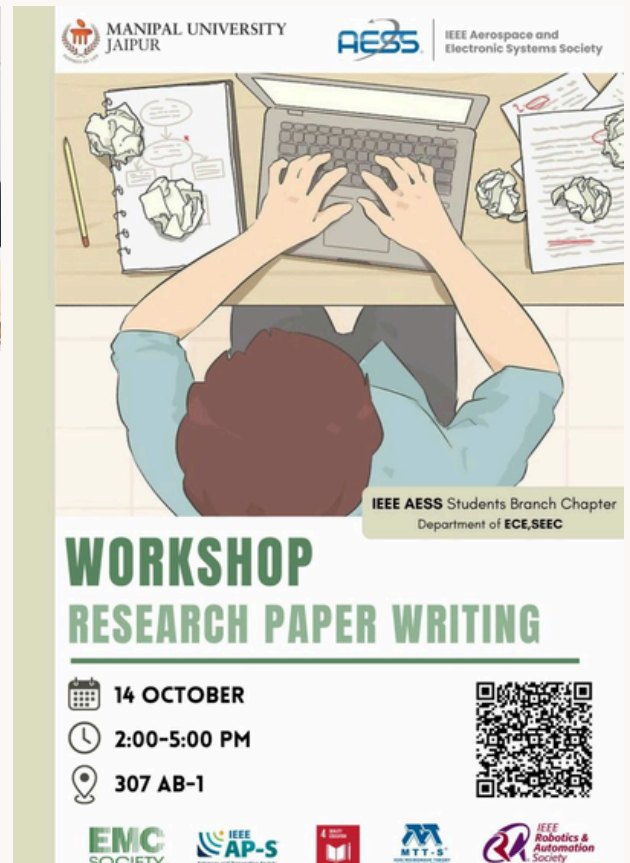
**Invited Talk by Dr Arti Agrawal, CEO Vividhata Pty. Ltd. on 28 November 2024**



**IEEE MTT-S Student Branch Chapter at Department of ECE, SEEC in collaboration with IETE, E-Cell MUJ, IEEE APS, IEEE EMC, IEEE AESS, IEEE RAS organized "Project Expo - 3.0" on 21st November 2024**



**IEEE MTT-S Student Branch Chapter of the Department of ECE, SEEC organised Distinguished Microwave Lecturer (DML) talk of Dr. Jasmin Grosinger (Graz University of Technology, Austria and Tohoku University, Japan, on 25th October 2024**



**Workshop on Research Paper writing was organized for UG students by IEEE AESS SBC on 14 October 2024**



**5-Day Entrepreneurship & Capacity Building Workshop on Advanced Verification & Testing organized in association with NIELIT Noida, MEITY, SoCTEAMUP, AIC- MUJ on 8 - 12th October 2024 at Manipal University Jaipur in hybrid mode.**



# STUDENTS' ACHIEVEMENTS



**Mridul Sharma (2429030063)** participated in Techstars\_Startup Weekend on 4 - 6 October 2024, and won 20,000 RS



**Vaibhav Nagpal (219202053)** has presented a research paper at an International Conference at Jaipur.



**Anushka Sharma (229202004), G. Sai Naga Jeevani (229202080) and Aditya Gupta (229202014)** secured 2nd place in Project Expo 3.0, winning a cash prize of ₹7,000 for their project, the Surveillance Camera Car.



**Naman Toshniwal (219202002)** secured II place in Lawn Tennis at BITS OPEN SPORTS MEET 2024



**Niyati Gupta (23FE10ECE00049)** is selected for the prestigious ICFO - TIFR Frontiers Research School on Quantum and Nanophotonics in TIFR Hyderabad On 23-25 October 2024



**G Sai Naga jeevani (229202080)** successfully completed online internship in RTL design designing using verilog HDL by NIETL

## Student Success at NPTEL

Microprocessors and Interfacing				Analog Communication			
229202079	YUVRAJ SINGH	229202036	SHAIHAM SRIVASTAVA	229202061	KANAV JAIN	229202016	HARSHVARDHAN ADIL
229202061	KANAV JAIN	229202069	DIVYANSHU RAI	229202077	KANISHKA GOYAL	229202072	HIMANSHU
229202068	Kartik Sharma	229202080	G SAI NAGA JEEVANI	229202073	AADARSH PAL	229202047	JAIDEEP PATEL
229202063	MAYANK JAWLA	229202053	GARV MISHRA	229301117	AMITTOJ SINGH OBEROI	229202043	UJJAWAL SHARMA
229202077	KANISHKA GOYAL	229202016	HARSHVARDHAN ADIL	229202080	G SAI NAGA JEEVANI	229202004	ANUSHKA SHARMA
229202045	SOUMIL HALLAN	229202010	KANISHKA CHAUDHARY	229202053	GARV MISHRA		
229202072	HIMANSHU						
C-Based VLSI Design							
219202052	KARTHIKA	219202025	SPARSH KUMAR VAISH				

# FACULTYS' PAGE



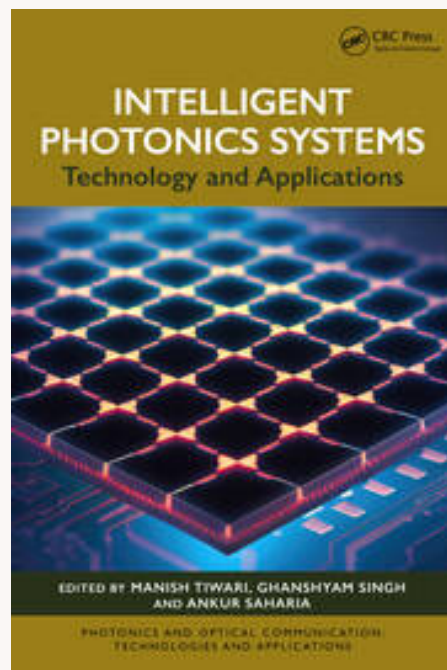
**Dr. Dinesh Yadav delivered an expert talk on 15 October 2024 at Acropolis Institute of Technology & Research, Indore**



**Dr. Ankur Saharia is elected as Chair for Optica Technical Group on Nanophotonics.**



**Dr. Neha Singh served as a resource person for a 5-Day Technical Workshop on MATLAB for Engineers: Advanced Tools and Techniques organized at Bhagwan Parshuram Institute of Technology, Delhi from 4-8 November 2024**



**Edited book by Prof. Manish Tiwari and Dr Ankur Saharia with Dr Ghanshyam Singh, from Malaviya National Institute of Technology, Jaipur is published by CRC Press, Taylor and Francis Group**

## MUJ Excellence Awardees 2024



**Prof. Manish Tiwari**



**Dr. Shilpi Birla**



**Dr. Abhishek Srivastava**



**Dr. Dinesh Yadav**



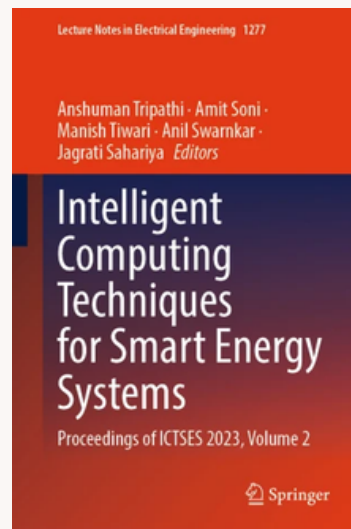
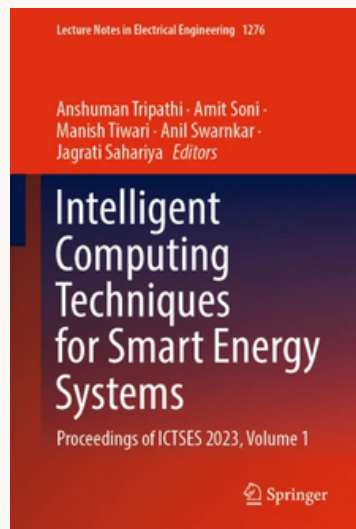
**Dr. Ankur Saharia**



**Inauguration of Anechoic chamber measurement facilities at Department of Electronics & Communication Engineering, Manipal University Jaipur by Shri Mahesh Kala CEO, JV Micronics**



# Conference Proceedings Publications



**Proceedings for International Conference on Intelligent Computing Techniques for Smart Energy Systems-2023** were published this year in two volumes in **Lecture Notes in Electrical Engineering, Springer**. The editors are **Anshuman Tripathi** (NTU Singapore), **Amit Soni** (MUJ, Jaipur), **Manish Tiwari** (MUJ, Jaipur), **Anil Swarnkar** (MNIT, Jaipur), **Jagrati Sahariya** (NIT Uttarakhand)



**Proceedings for International Conference on Multidisciplinary Approaches for Sustainable Development in Science and Technology (MASDST-2024)** was published this year by **Taylor and Francis**. The proceedings is edited by **Anshuman Tripathi** (NTU Singapore), **Shilpi Birla** (MUJ, Jaipur), **Mamta Soni** (MUJ, Jaipur), **Jagrati Sahariya** (NIT Uttarakhand), **Monica Sharma** (MNIT, Jaipur)

## Editorial Team

**Dr Neha Singh. Dr Ankur Saharia**

**Mr. Ankit Saini (23FE10ECE00041), Mr Harshit Jatwa (23FE10EVL00013)**