


SPARK

- Volume 2 Issue 1
- (January-March 2025)

	<i>Newsletter of</i>
	<i>Department of Electrical Engineering</i>
	<i>Manipal University Jaipur</i>

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About Newsletter

The first issue of Volume 2 of SPARK proudly carries forward the spirit of achievement and innovation within the Electrical Engineering Department. Covering the dynamic period from January to March 2025, this edition offers a glimpse into the department's thriving academic and professional environment. A major highlight of this issue is the impressive range of research publications by both faculty and students in reputed journals and international conferences, reinforcing our focus on academic excellence and innovation. The edition also features impactful alumni lecture, workshop on "Sustainability and Electric Mobility". Celebrating student achievements, the newsletter showcases accolades in competitions, successful completion of additional certifications, and participation in technical training programs that enhance real-world skills. With a strong start to the year, the department also marked noteworthy placement outcomes in just four months—reflecting the dedication of students and the support of the department's placement initiatives.

SPARK continues to be a vibrant platform to celebrate our collective growth and success. Dive into this edition and experience the inspiring journey of the EE Department in 2025!

Peeyush Garg, Faculty Editor- SPARK

Sanskar Bansal, Student Editor- SPARK

Ayushi Mittal, Student Editor- SPARK

SPARKing Excellence: HoD's Note



**Dr. Neeraj Kanwar, Head,
Electrical Engineering Department,
Manipal University Jaipur**

It is with great pride that I present the first issue of Volume 2 of SPARK, capturing the vibrant journey of the Electrical Engineering Department from January to March 2025.

As I take on the role of Head of Department, I am inspired by the dedication, innovation, and achievements that define our community. This edition highlights significant accomplishments—research publications in reputed journals and conferences, an engaging alumni lecture, and a forward-looking workshop on Sustainability and Electric Mobility. Our students have also made their mark through certifications, competitions, and hands-on training that prepare them for real-world challenges. A special mention goes to the promising placement outcomes achieved in just the first four months of the year—reflecting both student commitment and the department's supportive ecosystem.

SPARK continues to be a platform that celebrates our progress and shared success. I encourage you to dive into this issue and be inspired by the momentum we've built together.

Research Outcomes

Research publications:

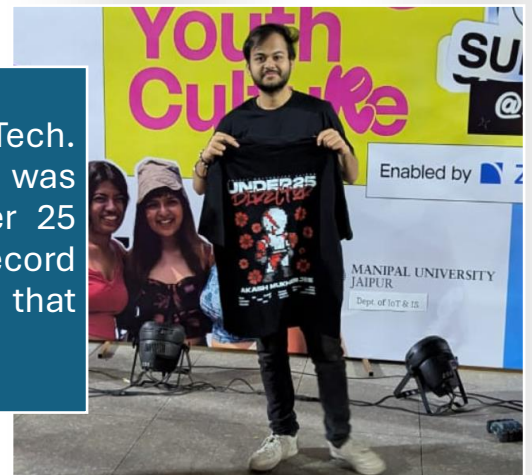
- **Gaurav Gangil**, Amit Saraswat, and Sunil Kumar Goyal published a research paper titled "A new hybrid distance and similarity based scenario reduction approach for stochastic economic operation of microgrid" in Scopus Indexed Journal "e-Prime-Advances in Electrical Engineering, Electronics and Energy" Vol. 11 in 2025. **(SCOPUS-Q2)**
- Amit Soni et al.(2025) published a research paper titled "GA Optimized Algorithms for Scheduling the Load of Household Appliances to Charge Electric Vehicles" in **springer book series** Intelligent Computing Techniques for Smart Energy Systems. ICTSES 2023. Lecture Notes in Electrical Engineering, vol 1276. Springer in 2025.
- Peeyush Garg published a research paper titled "Granite porosity prediction under varied thermal conditions using machine learning models" in Scopus Indexed Journal "Earth Science Informatics" volume 18, no. 2 in Jan, 2025. **(SCOPUS-Q2)**
- Amit Soni published a research paper titled "First-Principles Study on the Multifunctional Properties of A_2ZrTiO_6 (A= Mg, Ca, Sr, Ba) Double Perovskite Materials for Energy Applications" in Scopus indexed Journal "Journal of Inorganic and Organometallic Polymers and Materials" in Jan 2025. **(SCOPUS-Q1)**
- **Nidhi Choudhary**, Amit Soni published a research paper titled "Investigation of Double Halide Perovskites Materials Rb_2AgMCl_6 (M= As, Co, Rh) for Their Electronic, Optoelectronic, and Thermoelectric Properties in Scopus Indexed Q1 Journal "Journal of Inorganic and Organometallic Polymers and Materials" in Jan 2025. **(SCOPUS-Q1)**
- Bishwajit Dey published a research paper titled "An innovative hybrid load shifting and curtailing technique for operating a plug-in hybrid electric vehicle integrated microgrid system in a clean and cost-effective manner" in a reputed Journal "IET Generation, Transmission & Distribution" in 2025. **(SCOPUS-Q2)**
- Bishwajit Dey published a research paper titled "A hybrid demand-side policy for balanced economic emission in microgrid systems." in Scopus indexed journal "iScience" in 2025. **(SCOPUS-Q1)**
- Bishwajit Dey published a research paper titled "Advanced microgrid optimization using price-elastic demand response and greedy rat swarm optimization for economic and environmental efficiency." in highly reputed journal "Scientific Reports" in 2025. **(SCOPUS-Q1)**
- Amit Soni published a research paper titled "Electronic and optical response of lithium battery cathode $Li(Mn/Co)O_2$: Compton spectroscopy, Gaussian and muffin-tin DFT computations." in a reputed journal "Physica B: Condensed Matter" in 2025. **(SCOPUS-Q2)**

Students' Active Contributions



Mr. Sanskar Bansal, VI Semester B.Tech. (Electrical and Computer Engineering) student, was appointed as Liaison Officer for Leadership Summit 6.0 Organized by Directorate of Placements and Corporate Relations. The event witnessed participation from HR professionals representing 40+ companies

Mr. Akash Mukharjee, VI Semester B.Tech. (Electrical and Computer Engineering) student, was appointed as Sponsorship Director for Under 25 Summit at Manipal University Jaipur. Record number of 1000+ students were present at that event



Arjavi Arya (Reg.No. 229209006) VI Semester B.Tech. (Electrical and Computer Engineering) has won First Position in the Football Match at Spardha'25, the annual sports tournament of JKLU Jaipur.

Exploring Green Mobility: EE Dept Hosts SunPedal Ride Workshop



ONE DAY WORKSHOP

Sustainability and Electric Mobility: The SunPedal Ride Outreach Project

Organized
by
Department of Electrical
Engineering

In Collaboration
with

Sushil Reddy

IIT Bombay alumnus, 2013 batch,
Department of Energy Science and
Engineering & HEC Paris Alumnus in MSc
Sustainability and Social Innovation

05th March 2025

3:00 to 4: 30 PM

KEY AREAS OF FOCUS

- Hands-on exposure
- Use of Technology in Education
- Understanding E-Mobility
- Real-world practical cases

The Guinness book of world
records for the longest electric
bicycle journey as a part of this
project !!

Board Room, Faculty Block-II, &
Electrical Machines Lab, 1AB

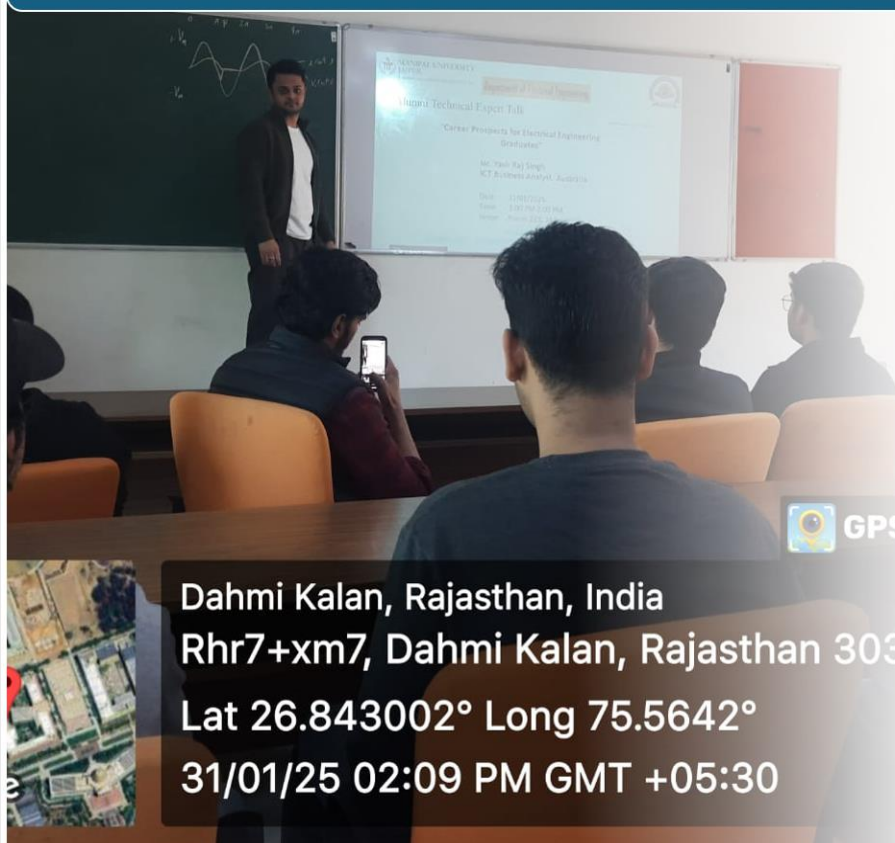
- The Department of Electrical Engineering organized a one-day workshop, "Sustainability and Electric Mobility: The SunPedal Ride Outreach Project" dated 5th March 2025. The speaker was Mr. Sushil Reddy (IIT Bombay Alumnus, 2013 Batch). The project encompasses the Guinness Book of World Records for the longest electric bicycle journey.



Dahmi Kalan, Rajasthan, India

2-ab Dr Tma Pai Auditorium Manipal University, Dahmi
Kalan, Rajasthan 303007, India
Lat 26.843552° Long 75.566788°
05/03/2025 03:43 PM GMT +05:30

Bridging Campus to Career: Alumni Talk with Yash Raj Singh



Dahmi Kalan, Rajasthan, India

Rhr7+xm7, Dahmi Kalan, Rajasthan 303007

Lat 26.843002° Long 75.5642°

31/01/25 02:09 PM GMT +05:30

- The Alumni Cell of the Electrical Engineering Department successfully organized an Alumni Talk on **January 31, 2025**, featuring **Mr. Yash Raj Singh** (B.Tech, 2014-18), currently an **ICT Business Analyst in Australia**.


- Speaking on **"Career Prospects for Electrical Engineering Graduates,"** Mr. Singh shared insights on global career opportunities, skill development, and industry expectations. The session was interactive and highly appreciated by students for its practical guidance and relevance.


Students Accomplishments

Many congratulations to **Mr. Sanskar Bansal** for successfully completing **provisional diploma in Data Science** as part of **B.S. degree in Data Science and Application** from **IIT-Madras**.




From Classrooms to Careers: Placement 2025

 **MANIPAL UNIVERSITY**
JAIPUR
(University under Section 2(f) of the UGC Act)


 **NAAC A+ GRADE WITH 3.28 SCORE**

Department of Electrical Engineering



Congratulates

Shruti Sharma
B.Tech Electrical and Electronics
Batch: 2021-2025

For Getting Placed at : 

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Department of Electrical Engineering



Congratulates

Vineet Yadav
B.Tech Electrical and Computer
Batch: 2021-2025

For Getting Placed at : 

 **MANIPAL UNIVERSITY**
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Department of Electrical Engineering



Congratulates

Jaswant Singh
B.Tech Electrical and Computer
Batch: 2021-2025

For Getting Placed in : 

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JAIPUR
(University under Section 2(f) of the UGC Act)

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Department of Electrical Engineering



Congratulates

Nihar Gupta
B.Tech Electrical and Computer
Batch: 2021-2025

For Getting Placed in : 

Department of Electrical Engineering



Congratulates

Vineet Yadav

B.Tech Electrical and Computer
Batch: 2021-2025

For Getting Placed in :



Department of Electrical Engineering



Congratulates

Naman Somani

B.Tech Electrical and Computer
Batch: 2021-2025

For Getting Placed in :



Department of Electrical Engineering



Congratulates

MOHAMMAD ARSHAN KHAN

B.Tech Electrical and Computer
Batch: 2021-2025

For Getting Placed in :



Department of Electrical Engineering



Congratulates

Vineet Yadav

B.Tech Electrical and Computer
Batch: 2021-2025

For Getting Placed in :



• Students Testimonial



Mr. Tawish Jain

B.Tech. (EEE)- Batch 2016-20



Testimonial

Tawish Jain

M.B.A. Great Lakes Institute of Management

B.Tech Electrical and Electronics Engg.

Batch: 2016-2020

"The curriculum was according to industry requirements and continued to change with the passage of time, thus we were never behind. I was blessed to be mentored by some excellent faculty members whose words of wisdom left an ever-lasting impression on me.

Beyond the classroom, MUJ educated me to become a better communicator and a more confident person. College life was full of color, with friends who motivated me on a daily basis. Celebrations with batchmates are one of my fondest memories."



Website:

<https://jaipur.manipal.edu/foe/department-of-electrical-engineering.php>



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