



ELECTRIK



INSIDE THIS ISSUE

- Research papers published by Faculty and Students
- Events organized by Electrical and Electronics Engineering Department
- Faculty Development Programs Attended by Faculty
- Higher Education/Placement Details

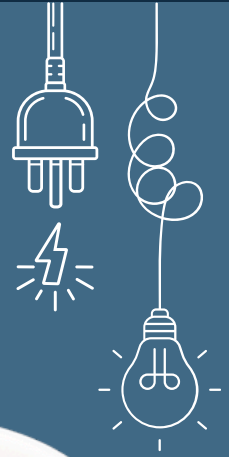
RESEARCH WORKS

INTERESTING FACTS

ACHIEVEMENTS

SEMINNARS

INDUSTRIAL VISITS



VISION

To achieve global standards in the field of Electrical and Electronics Engineering to minimize skill gap between academia and industry.

MISSION

M1 - Imparting quality technical education to the students of Electrical and Electronics Engineering with the supportive environment, preparing them for competitive exams for higher education, employment, and entrepreneur practices.

M2 - To confer the students with professional attitude, research aptitude, technical and communication skills with sensitivity towards the environment and society.



**CONFERENCE
PUBLICATIONS**

**JOURNAL
PUBLICATIONS**

**BOOKS
PUBLISHED**

FDPs ATTENDED



JOURNALS AND CONFERENCES

- Prof. Meena Tushir, “A new suppression-based possibilistic fuzzy c-means clustering algorithm.” EAI Endorsed Transactions on Scalable Information Systems , 10(3), 2023.
- Dr. Sunil Gupta, “Wireless Transmission Charging System For Electric Vehicles.” MSIT Journal of Research –SATYAM, 2023.
- Dr Jyoti Jain, “Review on application pf internet of things in smart home applications.” MSIT Journal of Research –SATYAM, 2023.
- Dr Rakhi Kamra, “Synthesis and structural feasibility of photonic materials.” The Scientific Temper,14(3), pp: 834-839, 2023.
- Dr Rakhi Kamra, “Classification of diabetes disease using adaptive bio inspired gene level deep neural networks.” European Chemical Bulletin, 12, pp.1048-1065, 2023.
- Dr Rakhi Kamra, Dr Monu Malik, “Observation of Underground Cable flaws using GSM Innovations.” Journal of Research and Advancement in Electrical Engineering, 7(1) , pp. 10-15, 2024.
- Dr Monu Malik, Dr Rakhi Kamra, “Aggregated Perception and Trailing of People.”, Journal of Research and Advancement in Electrical Engineering, 2024.
- Dr. Monu Malik, “Green Cloud Computing.” International Journal of Research And Analytical Review, 7(1), pp. 2023.
- Dr. Nidhi Gupta, Shrey Vashist, Diwash Manjhi, Anshul and Vivek, “Monitoring and Controlling of Automated Residences.” MSIT Journal of Research, SATYAM, 2023.
- Ms. Nisha Singh, "State of the art review of generation control strategies for restructured power system" Journal of Sensor Research and Technologies,5(3), 2023.

CONFERENCES & BOOKS

- Dr. Monu Malik presented a paper titled, "Grid Integration Difficulties and Solutions for PV Solar Systems with AI Technique in a Homogeneous Environment." International Conference on Power Energy, Environment & Intelligent Control (PEEIC) ,IEEE, 2023.
- Prof. Meena Tushir and Dr.Sonia Goel presented a paper titled, "A Comparative study of different approaches for clustering of incomplete medical data", International Conference on Cloud Computing, Data Science & Engineering (Confluence). IEEE, 2023.
- Ms.Mamta Rani presented a paper titled, "ATCNN-DWT Integration: A Combined Approach for Advanced Medical Image Fusion", International Conference on Modeling, Simulation & Intelligent Computing (MoSICom).,IEEE, 2023.
- Dr Rakhi Kamra, Ms Annu Dagar published a book titled, "Machine Learning", RK Publications, ISBN: 9788196797720, December, 2023
- Dr Rakhi Kamra published a book chapter, "Challenges and Future Prospects of IoT and AI Integration in Education" in book 'Progress in Language, Literature and Education Research', Vol.1, B.P International, October, 2023.
- Dr Monu Malik published a book titled, "Fundamentals of Green Technologies", with Scientific International Publishing House with ISBN No. 9789357577762
- Dr. Nidhi Gupta, Shrey Vashist, Vivek and Diwash Manjhi presented a paper titled, "Development of Air Quality Monitoring system Using IoT", International Conference of Advances in Intelligent Systems and Computing Series, December. 2023, Springer.
- Dr. Nidhi Gupta, Shrey Vashist, Diwash Manjhi, Anshul, Chandra Prakash Singh presented a paper titled, "Development of Home Automation system with LPG Leakage Detection System Using IOT", International Conference on Advances in Multidisciplinary Research & Innovation (ICAMRI-2023)

CERTIFICATION COURSES

- Dr Meena Tushir has been declared topper with Elite and Silver score and positioned among the top 5% of the candidates who cleared the course “Data Analytics with Python” conducted by IIT Roorkee and funded by the MoE, Government of India during Jan 2023- April 2023.
- Dr Sonia Goel has completed NPTEL-AICTE Faculty Development Programme on “Data Analytics with Python” conducted by IIT Roorkee and funded by the MoE, Government of India during Jan 2023- April, 2023.
- Dr Nidhi Gupta has completed NPTEL-AICTE Faculty Development Programme on “Effective writing” conducted by IIT Madras and funded by the MoE, Government of India during Jan 2023- Feb.-2023.
- Dr Nidhi Gupta has completed NPTEL-AICTE Faculty Development Programme on “Introduction to programming in C” conducted by IIT Madras and funded by the MoE, Government of India during Jan 2023- March-2023.
- Dr. Rakhi Kamra has completed NPTEL-AICTE Faculty Development Programme on “Design, Technology and Innovation” conducted by IIT Madras and funded by the MoE, Government of India from January 2023 - March 2023.
- Dr Rakhi Kamra has completed NPTEL-AICTE Faculty Development Programme on “Accreditation and Outcome based Learning” conducted by IIT Kharagpur and funded by the MoE, Government of India from August - October 2023.

FACULTY DEVELOPMENT PROGRAMS

- Dr. Monu Malik has completed Faculty Development Programme on “Recent Advancements in Machine Learning and Artificial Intelligence (RAMLAI’ 23) ” organized by MSIT from February 6-10, 2023.
- Dr. Shilpam Malik has completed Faculty Development Programme on “Recent Advancements in Machine Learning and Artificial Intelligence (RAMLAI’ 23) ” organized by MSIT from February 6-10, 2023.
- Dr. Nidhi Gupta has completed ISTE & BNY Mellon – Skill Development Programme on “Internet Of Things Phase V” from March 28 – May 11, 2023 conducted by ISTE.
- Dr. Shilpam Malik has completed Faculty Development Programme on “Control, Operation and Management of Renewable Energy Integrated Power System (COMREPS’ 23) ” organized by NIT, Kurukshetra from June 23-27, 2023.
- Mr.Sachit Rathee has completed FDP on Blended Learning and flipped class room from October 16 – 20, 2023 conducted by NITTTR Chandigarh.
- Dr. Jyoti Jain has completed Faculty Development Programme on "Recent Advancements in Machine Learning and Artificial Intelligence (RAMLAI' 23) organized by MSIT from February 6-10, 2023.
- Dr. Jyoti Jain attended one week faculty development programme on Recent Trends In Artificial Intelligence organised by department of computer science and application, faculty of science bhupal nobles' university, udaipur with Pantech e learning conducted on January 22-27, 2024.
- Ms Nisha Singh has completed FDP on Cloud Practitioner (AWS) conducted by ICT Academy on June 26 - July 1, 2023.

EVENTS CHRONICLE

SEMINARS



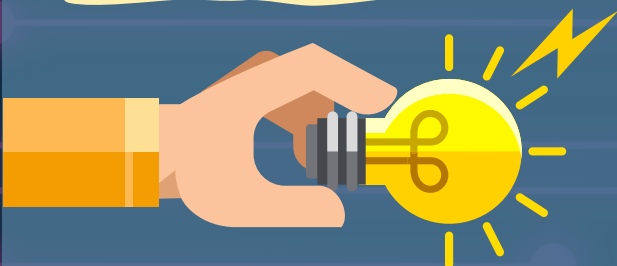
INDUSTRIAL
VISITS



EVENTS



EXPERT
LECTURES



GLIMPSES OF EVENTS



SEMINAR ON INDUSTRIAL AUTOMATION

Department of Electrical and Electronics Engineering organized a seminar on 'Industrial Automation using PLC, SCADA, HMI and VFD' on 7 June 2023 for EEE VI semester students. The speaker for the session was Mr. Parmish Kumar, Automation Trainer and Project Developer, at Livewire



The speaker explained the need for automation as it saves money, increases the reliability of production, gives high productivity with low space, etc. Industrial automation has led us to develop comprehensive strategies for Industry 4.0. Although, manufacturers would soon have to prepare for the next generation, Industry 5.0.

SEMINAR ON FUTURE PROSPECTS AFTER ELECTRICAL ENGINEERING

Department of Electrical and Electronics Engineering conducted a guest lecture on 'Electrifying your future: Exploring Future Prospects after Electrical Engineering' on 26th September 2023. Mr. Vaibhav Bhardwaj and Mr. Shayak Chaudhuri, Prime Minister Research Fellow (PMRF)- PhD Scholars, Department of Electrical Engineering, IIT Delhi were the speakers for the session



In conclusion, the lecture was a big success in informing students pursuing electrical engineering that it is a branch that is highly versatile and is not dying, but ever-growing.

EXPERT LECTURE

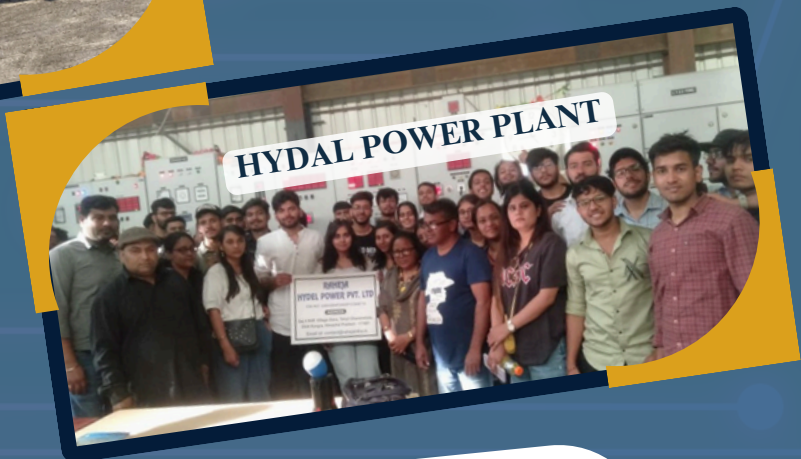
IEEE PES MSIT and the EEE department of MSIT in association with the IEEE PES-IAS Delhi Chapter and IEEE PELS-IES Delhi Chapter organized the Expert lecture on “Power system operation with high renewable integration” on 16th march, 2023 by a distinguished speaker “Mr. Rahul Shukla” from NLDS. He is a manager at Grid Controller India limited.



The interactive Expert lecture was a great success. The students as well as faculties put forward their questions to the speaker enthusiastically

INDUSTRIAL VISIT, DTL

Department of Electrical and Electronics Engineering organized an industrial visit to Delhi Transco Limited, Dwarka 220kV/66KV Grid sub-Station Pappankalan-III, Dwarka, New Delhi to enhance the industrial and practical knowledge of the students. EEE III semester students with two faculty members went to the industry on 20th September, 2023



Department of Electrical and Electronics Engineering organized an industrial trip to Raheja Hydel Power Private Limited, Dharamshala, Himachal Pradesh to enhance the industrial and practical knowledge of the students. Around 52 students with three faculty members went to the industry on 15th April 2022

INDUSTRIAL VISIT - TATA POWER DDL

Department of Electrical and Electronics Engineering organized a visit to Tata Power DDL Hands-on Technical Training Centre (HOTT), Sector 11, Rohini, Delhi, on 22 November 2023 for EEE V and VII semester students.



Department of Electrical and Electronics Engineering organized a visit to Tata Power DDL Hands-on Technical Training Centre (HOTT), Sector 11, Rohini, Delhi, on 22 November 2023 for EEE V and VII semester students.

8TH SMART CITIES INDIA EXPO 2023

Department of Electrical and Electronics Engineering in association with IEEE PES MSIT organized a visit to the “8th Smart Cities India expo 2023 at Pragati Maidan Delhi” on 29-3-2023.



Smart Cities India Expo reflects India's emerging modernization and development landscape and integrates transformative technologies and making cities smart and sustainable.

WORLD'S LARGEST CLIMATE CLOCK ASSEMBLY & DISPLAY EVENT

IEEE PES MSIT & EEE Department in association with IEEE PES-IAS DELHI CHAPTER organized a Visit to the IGI stadium on Earth Day, 22 April 2023 under the Guidance of Dr. Jyoti Jain, Chapter advisor IEEE PES SB MSIT.



It was the **WORLD'S LARGEST CLIMATE CLOCK ASSEMBLY** and display EVENT. This event was organized by the Energy Swaraj Foundation in collaboration with NITI AAYOG, AIM, AICTE & CSIR on April 22, 2023

16TH OPEN HOUSE VISIT-IIT D

The Open House of IITD (Indian Institute of Technology, Delhi), the single biggest day to exhibit an extensive collection of innovative research and product development projects held annually on its premises.



Two faculty members from our institute Dr. Sunil Gupta (Associate Prof.), and Mr. Sachit Rathee, (Asst. Prof.) of the EEE Department visited The Open House of IITD, on 4th November 2023.

OUTREACH ACTIVITIES



- Dr. Meena Tushir, Professor & HOD, Department of Electrical & Electronics Engineering was invited by Dr.S.Tamil Selvi, Professor & Head, Department of Electronics and Communication Engineering, National Engineering College, K.R.Nagar, TamilNadu as an External examiner for the conduct of Ph.D. Viva-voce in respect of her research Scholar Ms. S Parvati on the topic "Detection, Identification and Harvesting of Mature Coconut" .
- Dr. Nidhi Gupta, Chair the session for the ICAMR1 "International Conference on Advances in Multidisciplinary Research and Innovation" (ICAMR1-2023), uge sponsored and organized by School of Engineering and Technology, Sushant University, Gurugram, 28th -29th October 2023

VISIT TO TATA POWER-DDL'S TRAINING CENTRE CENTRE FOR EFFICIENCY IN POWER DISTRIBUTION

“The officials from Tata Power-DDL approached us to explore and collaborate on an Industry-Academia tie-up for the students pursuing a Bachelor in Electrical and Electronics Engineering. They wish to collaborate with us to provide customized training programs and exposure to the students of our institute”



“Three faculty members from our institute Dr. Sunil Gupta (Associate Prof.), Dr. Sonia Goel, (Asst. Prof.), and Dr. Rakhi Kamra (Asst. Prof), EEE Department visited Tata Power-DDL's Training Centre, known as Centre for Efficiency in Power Distribution [CENPEID] on 6th October 2023”

STUDENTS ACHIEVEMENTS



**PROUD
MOMENTS**

**HIGHER
EDUCATION**



PLACEMENTS

PROUD MOMENTS

15th Convocation of Guru Gobind Singh Indraprastha University

SALONI VATS (Batch 2018-2022) of Department of Electrical and Electronics Engineering, Maharaja Surajmal Institute of Technology, New Delhi has been awarded a Gold Medal and Certificate of Merit with a total CGPA of 9.71 at the 15th Convocation of Guru Gobind Singh Indraprastha University, New Delhi held on June 6, 2023 for year 2022.



Outstanding Student Volunteer IEEE Delhi Section

Arpita, a 4th-year student from the EEE department, has been honored with the IEEE Outstanding Student Volunteer Award by the IEEE Delhi Section. Throughout her tenure, she has made significant contributions to the IEEE MSIT Student Branch, serving as General Secretary in 2022, Vice Chairperson in 2023, and currently as an Advisor in 2024. Her dedication and leadership have been instrumental in the branch's success and growth.



Selection in India's most prestigious civil services Examination : UPSC-2023



SALONI VATS
UPSC AIR- 129
EEE Department
2018-2022 Batch



Abhishek Napa
UPSC AIR-1004
EEE Department
2013-2017 Batch



Heartiest Congratulations to both of them for making us proud with their earnest hard-work, perseverance, dedication and above all inspiring the young generations

HIGHER EDUCATION & PLACEMENT

The final year students of Batch (2019-2023) have performed extremely well in the placements. Students had participated in the campus drive of about 80 companies including core and IT sector. Major recruiters this year are companies like Accenture, ZS associates, NewGen, COGNIZANT, Berger Paints, Adani Power, EZ works, Herovired, Colt Technologies, etc. Out of 40 interested students in placements, total 34 students with about 50 job offers are successfully placed in these companies through campus drive. Key achievements are as follows:

KEY ACHIEVEMENTS

JAGRITI KRISHNAN IS PURSUING MBA PROGRAM AT IIT BOMBAY

ARYAN MAHAJAN IS PURSUING M.TECH IN ELECTRICAL ENGINEERING AT NSUT, DWARKA

SMILE JANDYAL IS PLACED WITH ZS ASSOCIATES WITH THE PACKAGE OF 13.65 LPA

SAMARTH KUMAR AND GOPAL GUPTA IS PLACED WITH BERGER PAINTS AT A PACKAGE OF 7.5 LPA

ANU DUBEY AND MANSI KUMARI IS PLACED IN COLT TECHNOLOGIES AT A PACKAGE OF 5.5 LPA



34 STUDENTS



50 OFFERS



9+ Recruiters

WE ARE PROUD OF THEM

CLASS OF 2023 BID ADIEU

TRIUMPH



OPPORTUNITIES



CHEERS



SUCCESS



MAHARAJA SURAJMAL INSTITUTE OF TECHNOLOGY

AFFILIATED TO GGSIPU | NAAC ACCREDITED 'A' GRADE | NBA (CSE, IT, ECE,EEE)
| APPROVED BY AICTE | ISO 9001:2015 CERTIFIED |



Patron:

Dr. Archana Balyan
(Director MSIT)

Editor:

Dr. Sonia Goel
(Assistant Professor, EEE)

Chief Editor:

Dr. Meena Tushir
(HOD EEE Dept.)

Designed By:

Shweta Mishra
(Batch 2022-2026, EEE)