REFLECTIONS

MAHARAJA SURAJMAL INSTITUTE OF TECHNOLOGY

SH. KAPTAN SINGH
CHAIRMAN

SH. AJIT SINGH CHAUDHARY
SECRETARY

PROF. (Dr.) ARCHANA BALYAN
DIRECTOR

ABOUT THE INSTITUTE

Maharaja Surajmal Institute Of Technology (Affiliated to GGSIPU | NAAC Accredited 'A' Grade | NBA (CSE, IT, ECE,EEE) | Approved by AICTE | ISO 9001:2015 Certified) is ideally located in the Institutional area of Janakpuri, New Delhi. Established in 2001, MSIT has a campus spread over eight acres of land with beautiful eco-friendly surroundings. Institute was earlier operating from four storeyed building of 6279 sq. metre of built-up area. Recently it has been shifted to a more spacious seven storeyed building with built up area of 17837 sq. metre. The institute has over a short span of time acquired and developed impressive infrastructure, expertise and resources for imparting high quality engineering education. The institute offers B.Tech courses in CSE, ECE, IT and EEE with total intake of 660 student.

Maharaja Surajmal Institute of Technology
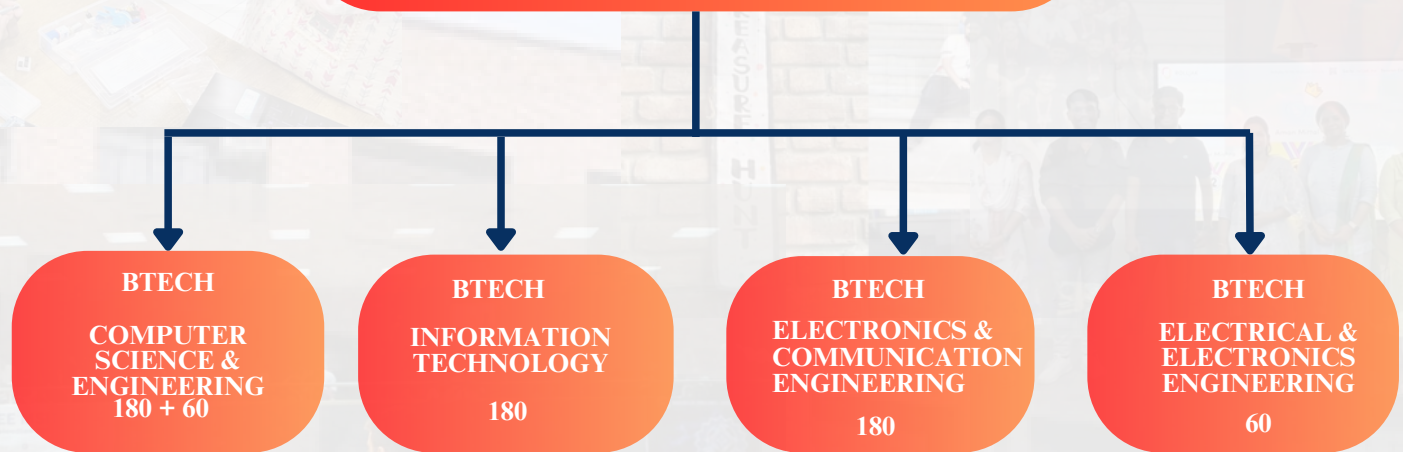
VISION

To become one of the most admired centers of academic excellence in the field of Engineering & Technology for all-round professional development of students to enable them to meet the growing technological needs of the country.

MISSION

Developing new paradigm in imparting education in the fields of Engineering and Technology and to imbibe national values leading to student's empowerment, with a view to prepare them to meet the national and global challenges.

COURSES OFFERED

BTECH
COMPUTER SCIENCE & ENGINEERING
180 + 60

BTECH
INFORMATION TECHNOLOGY
180

BTECH
ELECTRONICS & COMMUNICATION ENGINEERING
180

BTECH
ELECTRICAL & ELECTRONICS ENGINEERING
60

STUDENTS SOCIETIES

NSS   IIC   E-CELL   IEEE   PRAKRITI   MUTANTS

VEDA   TECHSOC   UBA   EBSB   E-YANTRA   NISP

IIIC   GDSC

COMMITTEES OF INSTITUTION

- SC/ST
- INTERNAL COMPLAINT COMMITTEE
- DISCIPLINE COMMITTEE
- DISASTER MANAGEMENT
- ANTI-RAGGING COMMITTEE
- GRIEVANCE REDRESSAL COMMITTEE

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

PAPERS PUBLISHED IN THE JOURNALS

- S. Mishra, D. R. Volety, N. Bohra, S. Alfarhood, and M. Safran, "A smart and sustainable framework for millet crop monitoring equipped with disease detection using enhanced predictive intelligence," Alexandria Engineering Journal, vol. 83, pp. 298-306, Nov 2023.

- Shalu, S. Rathee, A. Yadav, P. Kherwa, and R. Gandhi, "An Intelligent Lane and Obstacle Detection using YOLO," Intelligent systems and application in engineering, vol. 12, no. 3s, 2024, pp. 641-648, Oct 2023.

- T. Singh, A. Kaur, S. K. Katyal, S. K. Walia, G. Dhand, K. Sheoran, S. N. Mohanty, M. I. Khan, F. A. Awwad, and E. A. Ismail, "Exploring the relationship between air quality index and lung cancer mortality in India: predictive modeling and impact assessment," Scientific reports, vol. 13, pp. 1-12, Nov 2023

- M. Rao, P. Chaudhary, K. Sheoran, and G. Dhand, "A secure routing protocol using hybrid deep regression based trust evaluation and clustering for mobile adhoc network," Peer-to-Peer Networking and Applications, vol. 16, pp. 2794-2810, Oct 2023.

PAPERS PUBLISHED IN THE CONFERENCE

- Sonia Rathee, Amita Yadav, Shalu, "Automatic text summarisation using recent BERT architectures," International Virtual Conference on interdisciplinary research for sustainable development, 25 Dec 2023.

DEPARTMENT OF INFORMATION TECHNOLOGY

PAPERS PUBLISHED IN THE JOURNALS

- Malik S. et al. (2023), "Convolutional Neural Networks for Prediction of Age and Gender", International Journal of Computer Applications, Vol. 185, No. 29, pp. 40-45, ISSN: 0975-8887. DOI:10.5120/ijca2023923043 Google Scholar.

- Anupama Kaushik, Avi Mittal, Kaustubh Mogha and Jay Kakkar. Role of 360-Degree Virtual Reality Tours for Real Estate. International Journal of Computer Applications 185(49):38-44, December 2023.

- Sangeeta, Khushiyant, Sitender and Mathur V, "Ideal Weight Ensembling of Modified Neural Networks", Indian Journal of Natural Sciences, vol-14(81), pp-66561-66571, Dec. 2023 UGC Care, Web of Science.

- Sitender, "Malicious URL Detection on IOT", Technovation-Special Issue, Satyam Journal , 44-49, 2023

- Khanum, S., & Mustafa, K. (2023). A lattice-based blind ring signature scheme for sensitive data protection in blockchain applications. Concurrency and Computation: Practice and Experience, 35(26), e7835. SCI

DEPARTMENT OF INFORMATION TECHNOLOGY

PAPERS PUBLISHED IN THE JOURNALS

- Kaur P., Kaushik, A. and Singh R. (2023), "Smart Complaint Box based on IoT and Cloud service to notify complaints", International Journal of Systems Assurance Engineering and Management, ISSN: 0976-4348, UGC-CARE, SCOPUS, ESCI Indexed

- Kaur P. et al. (2023), "Talk Over: A Voice Chat Web Application based on WebRTC", International Journal of Computer Applications, Vol. 185, No. 15, pp. 54-58, ISSN: 0975-8887. DOI: 10.5120/ijca2023922844, GoogleScholar

- Kaur P. et al. (2023), "Sign language Translator using Machine Learning for communication with Deaf People", International Journal of Computer Applications, Vol. 185, No. 6, pp. 26-30, ISSN: 0975-8887. DOI: 10.5120/ijca2023922714, GoogleScholar

- P. Kaur et al. (2023), " CODEIAL: A solution for the coders by the Coders to the Coders," MSIT Journal of Research TECHNOVATION 2023, 22-23 September, 2023. ISSN: 2319-7897.

- T. Sharma et.al. (2023), "A novel SVM and LOF-based outlier detection routing algorithm for improving the stability period and overall network lifetime of WSN" International Journal of Nanotechnology, 20(5-10), 759-789.,ISSN: 1475-7435, SCIE Indexed

- T. Sharma et.al. (2023). " Retail Analysis -Walmart Trend Assessment", International Journal of Progressive Research in Engineering Management and SCience, Vol 03, no.12. ISSN : 2583-1062, Google Scholar.

DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING

PAPERS PUBLISHED IN THE JOURNALS

- Ramachandran, Balaji, Ravikumar Solomon, Pardeep Sangwan, C. Edwin Samuel, Unai Fernandez-Gamiz, Shyam Sundar Santra, Mohamed Altanji, and Vediyappan Govindan. "An experimental analysis on performance of tobacco seed oil as an alternative fuel for diesel engine." Alexandria Engineering Journal 80 (2023): 408-416.(SCIE)

- Dwivedi, Gaurav, Vineeta Kumari, Neelam Barak, Arun Anand, Ajay K. Sharma, and Gyanendra Sheoran. "Multimodal optical device to study dynamics of drying process." Optics and Lasers in Engineering 169 (2023): 107726.(SCIE)

- Rao Meena, Chaudhary, P., Sheoran, K. et al. A secure routing protocol using hybrid deep regression based trust evaluation and clustering for mobile ad-hoc network. Peer-to-Peer Netw. Appl. (2023).

PAPERS PUBLISHED IN THE CONFERENCES

- Baliyan, Anjali, and Mohd Gulamn Siddiqui. "Beam Forming Techniques in MIMO Antenna: A Review." In 2023 International Conference on Sustainable Emerging Innovations in Engineering and Technology (ICSEIET), pp. 470-474. IEEE, 2023.

- Chhikara, Jasmine, Nidhi Goel, and Neeru Rathee. "A critical analysis of transfer learning models for computer vision tasks." 2023 International Conference on Emerging Technology and Sustainable Solutions (ICESS), Chitkara University, India, 2023.

- Chhikara, Jasmine, Nidhi Goel, and Neeru Rathee. "Deep learning techniques for pancreatic cancer analysis: A systematic review and implementation prerequisites" 2023 International Conference on Machine Learning and Data Engineering (ICMLDE), UPES Dehradun, India, 2023.

DEPARTMENT OF INFORMATION TECHNOLOGY

PAPERS PUBLISHED IN THE CONFERENCE & BOOKS

- P. Sharma, K. S. Saini and P. K. Sidhu (2023), " Lightweight, Secure and Authenticated Blockchain- Optimized Network Routing Protocol for Wireless Body Area Networks," 1st IEEE International Conference on Multidisciplinary Research in Technology and Management – MRTM 23, India, 22-23 September, 2023. Indexed in IEEExplore.

- Sonika Malik, Preeti Rathee presented a paper "Light gradient boosting machine algorithm (LGBM) for COVID-19 prediction based on Symptoms" in ISIC 2023 dated on 17-19 Oct, 2023.

- Prof. Tripti Sharma and Dr. Priya Dalal presented a paper "Predicting Credit Default Using ML" in International Conference on Recent Advancements in Communication, Computing and Artificial Intelligence (RACCAI 2023) dated on 12-13 Oct, 2023.

- Dr. Tripti Sharma, Dr. Priya Dalal, et.al. "Data Science and Machine Learning Using Python ", Alpha International lPublication, ISBN: 978-93-5762-0765.

- Sonika Malik, Jyoti Khurana, Preeti Rathee and Akshay Singh, 2023, "Python Programming - Industrial Approach", Scientific International Publishing House (SIPH), ISBN: 978-93-5757-658-1.

- Dr. Minakshi Tomer et. al."Fundamentals of Programming with Python", Notion Press, 2023.

PATENTS

- Dr. Minakshi timer and Dr. Tripti Rathee registered a UK design patent on "Deep Learning Based Text Recognition Device" dated 08/08/2023 with application number as 6300179.

- Dr. Sandeep Singh et al. has published a design patent on "Aluminium Louver (Design Patent) with application number 345382-001 dated 29/09/2023

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

PAPERS PUBLISHED IN THE JOURNALS & 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.

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

PAPERS PUBLISHED IN THE JOURNALS, CONFERENCES & BOOK

- 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 Monitoringsystem 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)

DEPARTMENT OF
APPLIED SCIENCE

PAPERS PUBLISHED IN THE JOURNALS

- Rajbir Singh, Sachin Dhull. White Topping Overlay for Rehabilitation of Bituminous Roads. International Journal of Research, Vol 10 (11), Nov. 2023, 113-120.

- Sachin Dhull, Sandeep Singh. Static Hand Gesture Based Human Computer Interaction Using Convolution Neural Network. International Journal of Research, Vol 10 (12), Dec. 2023, 40-45.

STUDENTS ACHIEVEMENTS

- **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.**

- **Riya Sharma BREAK in the final round of INTRA DEBATING TOURNAMENT(Asian Parliamentary debate) organized by CEREBRATE - DEBATING SOCIETY OF MSIT.**

- **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.**

- **Selected as One of the top 50 participants for the Microsoft Azure Generative AI Day at Microsoft, Noida.**

- **Saloni Vats , 2018-2022 Batch , got AIR-129 in the India's most prestigious civil services Examination, UPSC-2023.**

- **Abhishek Napa, 2017-2021 Batch , got AIR-1004, in the India's most prestigious civil services Examination, UPSC-2023.**

FACULTY ACHIEVEMENTS

- **Dr. Medhavi Malik successfully completed one week Industrial Training on "Modern Web design With UI" during 3rd November to 8th November 2023 organized by CSE Department in association with Brain Mentors.**

- **Dr. Sonia Rathee, Dr. Pooja, Dr. Amita Yadav, Dr. Shalu, Ms. Sonica successfully completed 21 days masterclass on Python Programming at Pantech e Learning from 25th October to 14th November 2023**

- **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. 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.**
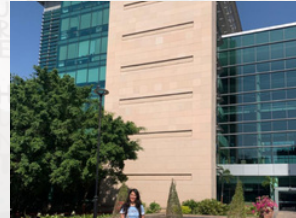
- **Dr. Shilpam Malik has completed Faculty Development Programme on "Recent Advancements in Machine Learning and Artificial Intelligence (RAMLAI' 23) " organized by MSIT from February 6-10, 2023.**

FACULTY ACHIEVEMENTS

- **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.**

- **Ms Nisha Singh has completed FDP on Cloud Practitioner (AWS) conducted by ICT Academy on June 26 - July 1, 2023.**

PLACEMENTS

CSE

Name: Gunjan Singhal
Company – Microsoft
Package- 50 LPA

2. Name: Srishti Dharwani
Company: Flipkart (Intern + FTE)
CTC: 32.5 LPA.
Stipend during Internship : 1 lac.

3. Name: Sahil Srivastava
Company: Flipkart (Intern + FTE)
CTC: 32.5 LPA.
Stipend during internship: 1 lac.

4. Name: Saket Mundra
Company: Flipkart (Intern + FTE)
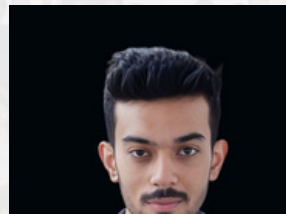**CTC: 32.5 LPA.**
Stipend during internship: 1 lac.

5. Name -Bishwajeet Parhi
Company name- Homebase
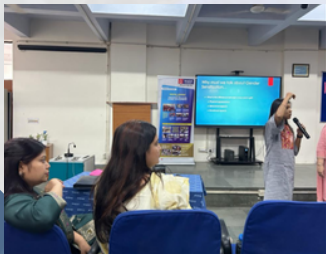**Package-26 LPA**

IT

6. Name-Sahil Mahajan
Company- Zomato
Package- 25LPA

EVENTS/ACTIVITIES ORGANISED BY DEPARTMENTS

INTERNAL SMART INDIA HACKATHON 2023

The Institution's Innovation Council (IIC) at Maharaja Surajmal Institute of Technology (MSIT) proudly organized an Internal Smart India Hackathon 2023, an exclusive event tailored for the institution's students and innovators This prestigious event was meticulously hosted in Seminar Hall 206,on the 25th of September 2023, signifying a significant day for the institution and its commitment to nurturing innovation and problem-solving skills among its students.
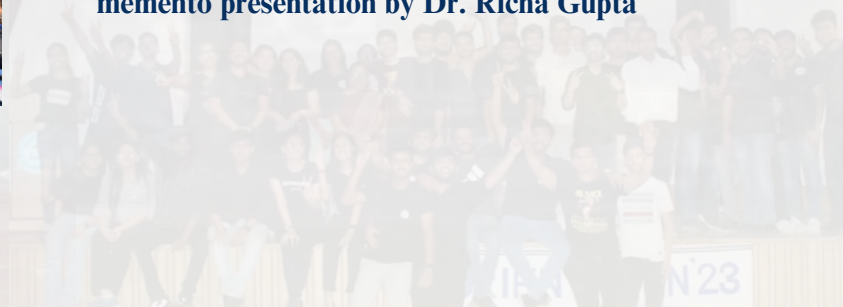
"GENDER SENSITIZATION" FOR STUDENTS OF ECE 3RD SEMESTER

Internal Complaint Committee cell of MSIT had organized a seminar of one hour on topic "Gender Sensitization "for students of ECE 3rd semester on Oct 5.

Gender sensitization refers to the process of raising awareness and understanding about the issues related to gender, gender inequality, and gender-based discrimination.

Seminar ended with a vote of thanks and memento presentation by Dr. Richa Gupta

SEMINAR ON MINDFULNESS

On the occasion of World Mental Health Day 2023 a seminar on "Mindfulness"was conducted by Ms. Preeti Sinha (Clinical Psychologist) at Maharaja Surajmal Institute of Technology, Janakpuri in room no. 206 at 11:00 am.

She emphasized on the early recognition of mental illness and the importance of consulting an expert for its treatment.

The seminar was concluded with interactive activities highlighting the importance of mindfulness, listening, peacefulness and patience. The event was overall a great success and taught students to focus on mental health which is one of the major contributors to success.

Expert Lecture on Depression and Anxiety: How to Identify and Treat

The department of Electronics and Communication Engineering has organized an expert lecture on "Depression and Anxiety: How to identify and Treat" for faculty and students on November 24, 2022 from 9:00 am-10:00 am. 125 participants attended the lecture. Dr Apala Aggarwal Tuteja , Consultant Psychiatrist and a De-addiction Specialist, was the expert for lecture. She has a rich clinical experience in diagnosing and treating persons with mental illnesses.

INDUSTRIAL VISIT – DELHI TRANSCO LIMITED

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. Mr. Sachit Rathee (Assistant. Prof.) and Mr. Amit (Lab Assistant) accompanied the students.

Delhi Transco Limited, formerly Delhi Power Supply Company Limited is the State Transmission Utility for the National Capital Territory of Delhi

'ELECTRIFYING YOUR FUTURE: EXPLORING 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. Mr. Vaibhav began the lecture by listing out the common and prevailing myths around B.Tech in Electrical Engineering

SEMINAR ON B.TECH OPTIONS AVAILABLE AS PER THE NEW SCHEME

On the 3rd of October, a seminar was conducted by the Head of the Department for Computer Science and Engineering, Dr. Geetika Dhand. The seminar took place in Seminar Hall 406 from 11:00 AM to 12:00 PM and was attended by students from CSE batches 1, 2, and 3 of the fifth semester. During the seminar, detailed information was provided about the various elective courses, SWAYAM courses, and Massive Open Online Courses (MOOCs) that students can choose from within these B.Tech options. Emphasis was placed on aligning course choices with individual interests and career aspirations.

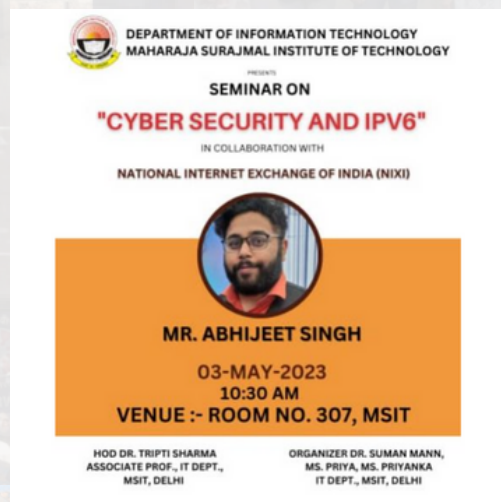

WORKSHOP ON "INTRODUCTION TO DATA ANALYTICS"

The department of Information Technology organized a workshop on "Introduction to Data Analytics" on 9th December 2022 in seminar hall 406. This workshop collaborated with Ducat Technologies, New Delhi, under the guidance of Mr. Rohit Pahwa to provide an introduction of Data Analytics and Machine Learning (ML). He is currently working as ML expert in Ducat. He has more than 9 years of experience.

The event concluded with open Q&A serving to the students doubts. After this session, the students walked away with a much heightened awareness of the needs of the Job market.

CYBER SECURITY AND IPV6

Dept. of IT, MSIT organised an event "CYBER SECURITY AND IPV6", a speaker event in which the speaker shared his knowledge about the subject through presentation while also sharing examples from his own experience. The motive of this was to create a basic understanding among the students about cyber security and cyber threats.

The name of the speaker is Mr. Abhijeet Singh, who is a proficient white hat hacker with industrial experience. At the end of the event, Q&A session was held with the audience and Certificates were distributed to the participants.

IIC-MSIT ORGANISES DEBATE COMPETITION

IIC-MSIT on 16th of October 2023 orchestrated a captivating debate competition on the auspicious occasion of Innovation Day. setting the stage for an intellectually stimulating exchange of ideas. A distinguished panel of three judges, experts in the fields of innovation, technology, and debate, were entrusted with the responsibility of evaluating the competition. One of the highlights of the competition was the remarkable quality of arguments put forth by the participants. They demonstrated a deep understanding of their respective topics and presented well-researched arguments that not only impressed the judges but also stimulated profound discussions among the audience.

INDUSTRIAL VISIT TO UNICOVERAGE TECHNOLOGIES

An industrial visit was organized as a part of the academic curriculum of students of 5th Semester, IT Department on 23rd October 2023 under the guidance of Dr. Jyoti Khurana and Mr. Akshay Singh, Assistant Professors, IT Department, MSIT. 40 students of 5th Semester went to 'UniCoverage Technologies Pvt. Ltd., Noida' along with 2 faculty members in a bus. The industry focused on exploring the field of Internet of Things (IoT) and understanding the work culture of the industry. IoT has gained significant relevance in recent years as it has become a transformative technology in various sectors.
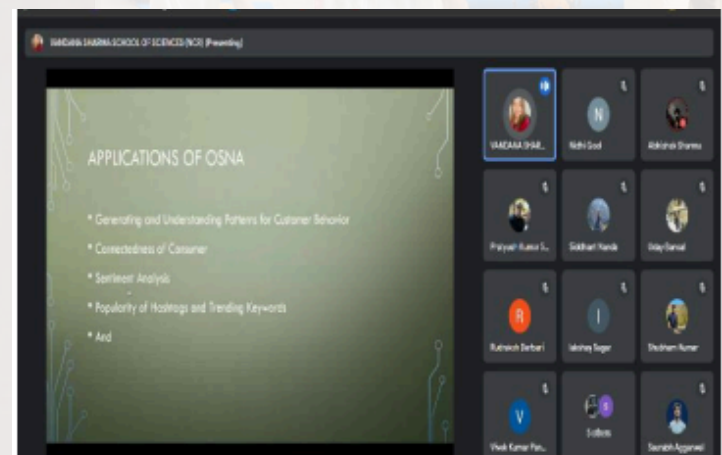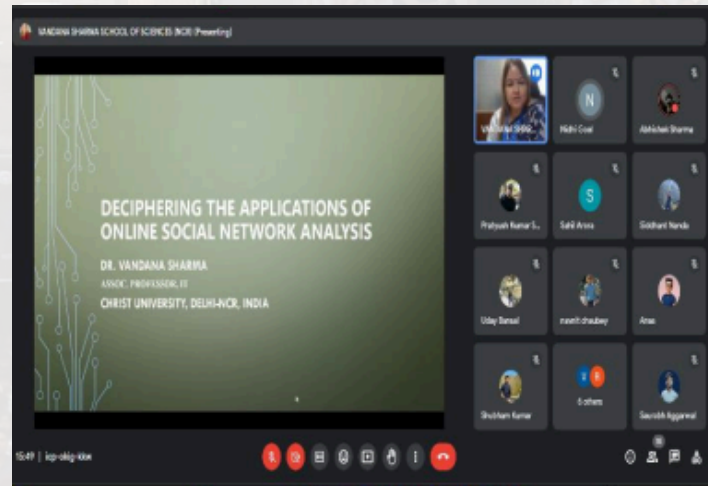

WEBINAR ON "COMPUTER VISION USING PYTHON"

The department of Information Technology organized a webinar on "Computer Vision Using Python" on 1st May 2023, in online mode, from 9:30 am to 11:00 am. This webinar was collaborated with Appwars under the guidance with Mr. Jitendra Kumar to provide an introduction to the area of Computer Vision Using Python. Mr. Jitendra Kumar is currently working as Data Scientist in Appwars. He has more than 16 years of experience. He is veteran Developer in Machine Learning (ML), Artificial Intelligence (AI) at Appwars technologies. He helped students unveil the buzz around the Python, ML and AI.

Maharaja surajmal institute of technology

Organizing webinar on
COMPUTER VISION
USING PYTHON

JITENDRA KUMAR
Business Analysis / Data Analysis / DataScience / Mentor Data Science

09:30AM – 11:00AM
01 May, 2023

Register now

WEBINAR ON DECIPHERING THE APPLICATIONS OF ONLINE SOCIAL NETWORK ANALYSIS

The webinar, "Deciphering the Applications of Online Social Network Analysis," led by Dr. Vandana Sharma, was a comprehensive and enlightening event. Dr. Vandana Sharma's extensive experience and expertise in the field made the webinar a valuable learning experience for all participants at Maharaja Surajmal Institute of Technology. Attendees gained a solid understanding of Online Social Network Analysis, explored its applications, acquired practical skills with essential tools, and were equipped with resources for their own Online Social Network Analysis projects. The event underscored the significance of Social Networks in today's digital landscape and its potential to drive innovation and insights across various sectors.
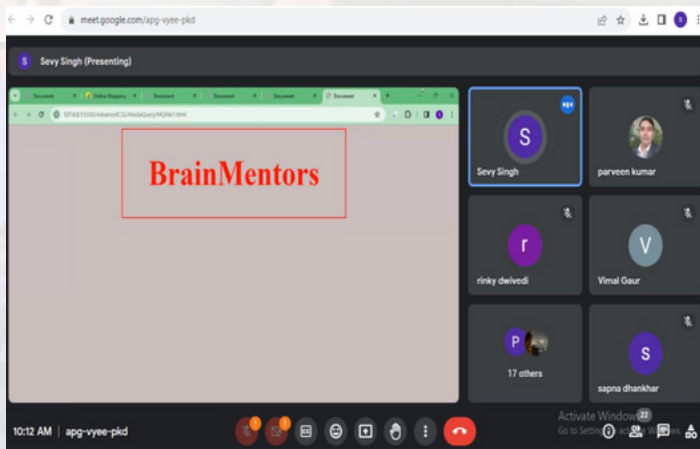
INTERACTIVE ONE DAY SESSION ON DATA ANALYTICS

An interactive one day session on Data Analytics , was organised in our college on 20 th November 2023. This two hour event was successfully conducted by Rohit Pahwa, Data Scientist and Analyst of one of the most leading IT Training Institute , DUCAT. He is a B.Tech (Mechanical Engineering) -2013 pass out and has conducted many sessions and workshops across different universities. The session was conducted in the college seminar hall with over 200 students from CSE- Branch of morning and evening shifts.

Faculty development Program

Department of CSE(1st shift) organized one week FDP on "Modern Web Dev with UI" (online mode)" from 3rd Nov to 8th Nov, 2023. The expert was Ms. Sevy from Brain Mentor Pvt. Ltd. Her expertise is in implementing both web and client-server architecture based app. The session was conducted from 9:00 am to 11:00 am every day on Google meet. It was a 5 days course on modern Web Development. Overall this FDP was very effective and helpful for the faculty. It was taken by exceptionally Qualified and Professional Trainers who are actively involved in Development for Real time Exercises and Practicals used in web Development. It also helped in Learning things related to Industry Standard Software Used for Training.

AN INDUSTRIAL VISIT TO MARUTI SUZUKI MOTORCYCLE PVT LTD,

An Industrial visit to Maruti Suzuki Motorcycle Pvt Ltd, Manesar, Gurugram was organized on 5th Dec 2023 for 29 students of CSE 6th Sem from Maharaja Surajmal Institute of Technology. Dr. Amita Yadav, Dr. Sonia Rathee and Ms. Vaani Garg were the faculty Coordinators from the CSE department for this industrial Visit
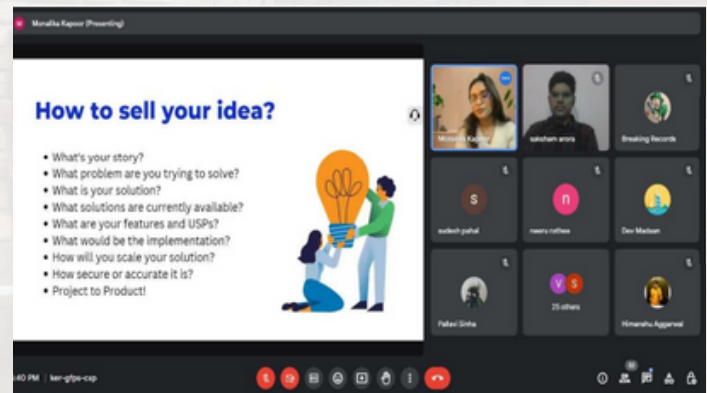

VISIT TO ST MICROELECTRONICS

ECE Department organised on an industrial visit to ST Microelectronics, a global semiconductor leader providing smart solutions. The students were accompanied by Ms. Himani (Industrial visit incharge, ECE Dept.) and Dr. Meena Rao (Placement Committee convener MSIT).The industrial visit to ST Microelectronics provided students with invaluable exposure to the latest advancements in electronics and semiconductor technologies.

Expert Talk by Successful Innovators

The Institution's Innovation Council of MSIT organized an enlightening event titled "Expert Talk by Successful Innovators" on December 8 ,2023 at 5 PM. The event was a unique opportunity for attendees to gain insights from our keynote speaker , the winner of the Smart India Hackathon'22 and the Indo-Africa Hackathon , Ms. Monalika Kapoor. She is currently working with Adobe.

TALK ON VLSI AND EMBEDDED SYSTEMS BY ST MICROELECTRONICS EXPERTS

An expert talk was conducted by ECE department of MSIT on 11th December 2023 in Seminar Room 206 from 11 am onwards, The talk was organized by Dr. Meena Rao, Associate Prof. and commenced at 11 am. The event featured industry stalwarts, Mr. Atul Bhargava and Mr. Alok Kumar Mittal, both from ST Microelectronics, who shared invaluable insights on key industry skills and ways for students to enhance their capabilities.

EEE DEPARTMENT VISITED TATA POWER-DDL'S TRAINING CENTRE

Tata Power-DDL (TPDDL) is the Joint Venture Company of Tata Power and Govt. of NCT of Delhi. Tata Power-DDL established its training center known as CENPEID [Centre for Power Efficiency Distribution] in the year 2005 and has over the years established itself as the preferred learning and development center for the power distribution sector in the country. 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. They find it a careeroriented course that will create technically sound and trained manpower readily available for recruitment in the Power Sector.

The company will curate a 6 months training program specifically for engineering students to enhance their knowledge competency and share some best practices. Students who undergo this program will be considered during the recruitment process. 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.

THE E-CELL MSIT ORGANIZED THE OFFICIAL SOCIETY ORIENTATION

The E-Cell MSIT organized the official society orientation, for the esteemed freshers joining us from the year 2023-24, in the MSI(T) Auditorium and was attended by more than 500 freshers. The orientation is an annual event held by every society to persuade students from new and existing batches to become a part of the society and work towards their career and societal progress. Orientation is also a medium to declare vacancy of members in the society. The E-Cell's orientation provided students with enlightenment about college life at the very start of their academic tenures.

Throughout the orientation, the auditorium was overcrowded by both capacity and joyfulness. An orientation is the most critical part of a society's reputation and potential scope of expansion which, if done correctly, can lead to unimaginable achievements during the tenure. E-Cell MSIT realized this feature and performed outstandingly to make this a great success and the result was better than the best. We would like to express our sincere gratitude to our MSIT Board, our Convener, and all the stakeholders along with the society members for their contribution towards this event. The society now looks forward to serving as per the bar set!

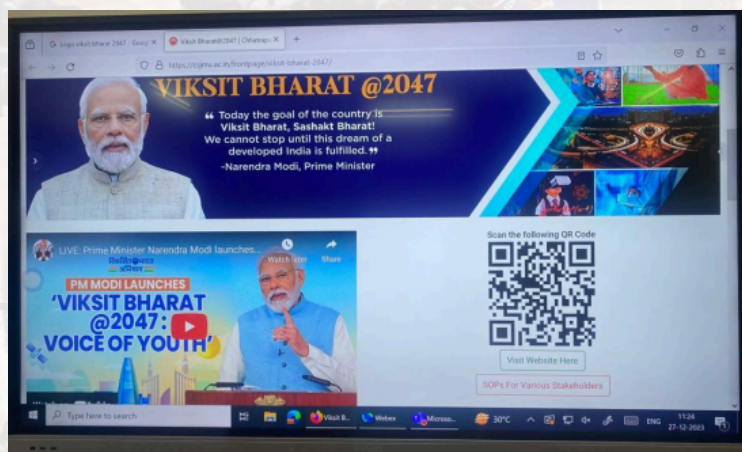# BRAND RENAISSANCE: A REBRANDING WORKSHOP'2023-24

The Incubation Department of Ecell embarked on a remarkable journey to explore the world of "Brand Renaissance: A Rebranding Workshop". The Workshop organised at the Masters' Union Campus, DLF Cyber Park, was conducted with great professionalism and care which provided the young entrepreneurs with an extraordinary and insightful experience on "Brand Renaissance".

The workshop offered a transformative and insightful experience on "Brand Renaissance", equipping the involved with the knowledge and tools required to elevate their understanding on Rebranding. From the excellent program management to fun interactions, it provided it all. We are thankful to Masters' Union for extending such a gracious invitation to their event and look forward to future collaborations with the team as discussed with Mrs. Jigyasa Malhotra, the event and community manager at Masters' Union.

VOICE OF YOUTH-VIKSIT BHARAT@2047

A symposium on the theme of Viksit Bharat@2047 has been conducted on 27th December, 2023. It was attended by Director MSIT, all HOD's, senior faculty members and the convenors of various Cells. The Roadmap for the Coming semester was discussed and a tentative schedule for the upcoming events was proposed. SOP for viksitbharat@2047 was also discussed.
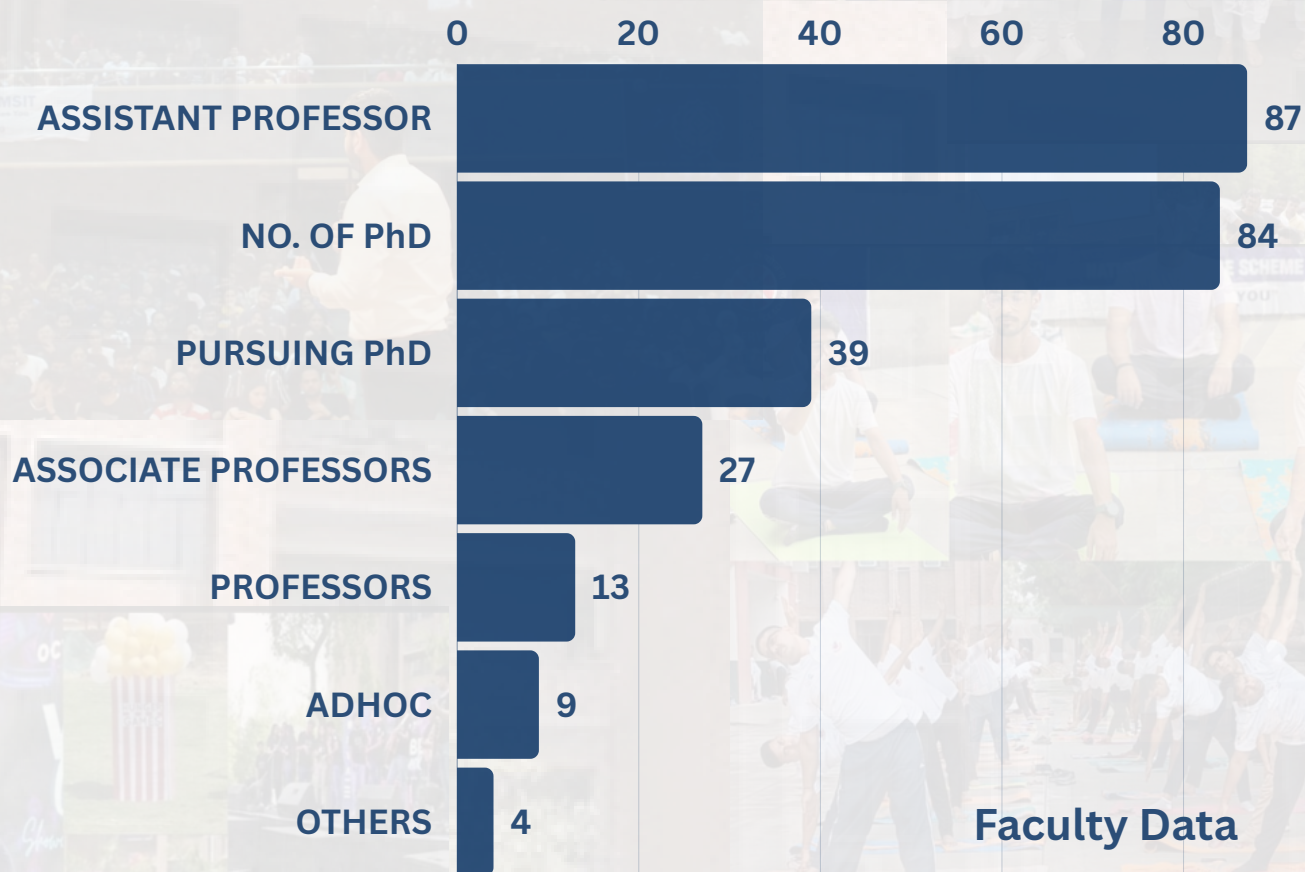
CERTIFCATE BY NDLI

Ms. Reetu (Librarian and Head) and Dr. Nidhi Gupta (Library Committee convenor, Asst. Professor, EEE department) and their team earned/grabbed a Certificate of Appreciation on 23 rd August, 2023 in recognition of MSIT outstanding achievements in NDLI Club (National Digital Library of India), Project of IIT Kharagpur under Ministry of Education, Government of India, through its National Mission on Education through Information and Communication Technology (NMEICT).

MSIT NDLI Club is one of the best-performing institutional NDLI clubs in Delhi.

FACULTY STATUS AT THE MSIT

Category	Value
ASSISTANT PROFESSOR	87
NO. OF PhD	84
PURSUING PhD	39
ASSOCIATE PROFESSORS	27
PROFESSORS	13
ADHOC	9
OTHERS	4

Faculty Data

MAHARAJA SURAJMAL INSTITUTE OF TECHNOLOGY

CHIEF EDITOR

DR. JYOTI JAIN,
ASSOCIATE PROFESSOR EEE

FACULTY EDITOR
MS. ANISHA DHAIYA

STUDENT EDITOR

SHWETA MISHRA

PRANAV SOOD

ARYAN GAUBA

AYUSH AWASTHI

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