Maharaja Surajmal Institute of Technology

REFLECTIONS

Maharaja Surajmal Institute of Technology is immensely pleased to organize 7th National Conference on "Advances in Metrology" AdMet-2021 on March 5th and 6th, 2021. Admet-2021 was organized in association with CSIR-National Physical Laboratory (CSIR-NPL), Metrology Society of India (MSI) and National Accreditation Board for Testing & Calibration Laboratories (NABL) India. The conference intended to provide a forum for original research and practical development experiences in different fields of Measurement and quality improvement. The Theme of the conference was "Sensors & Advance Materials for Measurement & Quality Improvement".

The second day started with great energy and enthusiasm. Prof. Ravinder Aggarwal, Head of Electrical & Instrumentation Eng. Dept., Thapar Institute of Engineering & Technology, talked about Development of Wireless Foot Pressure Sensor Insole. Following his enlightening talk, Prof. K.P. Chaudhary presented a talk on Role of Metrology in Fourth Industrial Revolution (Industry 4.0). Lastly, Dr. Avanish Srivastava, Director, CSIR Advanced Materials & Processes Research Institute, delivered a talk on Importance of Standards in Materials.

The valedictory session concluded with benign presence of chief guest Dr. Krishan Lal, Former INSA President, Former Director, CSIR-NPL and guest of honor Prof. Prem Vrat, Pro-Chancellor, Professor of Eminence and Chief Mentor at The North Cap University, Gurugram. The best researchers of all six sessions were awarded with certificates and the session closed with vote of thanks of thanks by Prof. A.K. Singh, Director, MSIT.

We were honored to have Dr D. K. Aswal, Director-NPL, as our Chief Guest and Mr. Karnal Singh, IPS, former chief of enforcement directorate as Guest of Honor for the inauguration on 5th March, 2021. Our worthy guest of Honor Mr. Karnal Singh explained the significance of metrology since ancient times. Dr D.K. highlighted the importance of Metrology by quoting real life examples. Another Keynote speaker Dr A. Sengupta, Former Outstanding Chief Scientist, CSIR-NPL discussed about the Navigation with Indian Constellation and Its Applications in Metrology. Dr R.K. Kotnala, Chairman-NABL, DAE threw light on A Better-Quality Life for Rural Population through Legal Metrology, Magnetic Standards & Hydroelectric Cell. Dr Sanjay Yadav, Vice-President Metrology Society of India, HOD, Physico-Mechanical Metrology Division, Editor-in-Chief, MAPAN, CSIR-NPL enlighten us about Physico-Mechanical Metrology (PMM).

Departments

COMPUTER SCIENCE ENGINEERING

Technical Paper Published

- Siddhant Banyal ,Rinky Dwivedi , Koyel Datta Gupta , Deepak Kumar Sharma, Fadi Al-Turjman and Leonardo Mostarda, "Technology Landscape for Epidemiological Prediction and Diagnosis of COVID-19,"CMC-Computers, Materials & Continua, ISSN: 1546-2226 ,Vol.67, No.2, pp. 1679-1696, 2021.
- Bohra, N., Bhatnagar, V., "Group level social media popularity prediction by MRGB and Adam optimization". Journal of Combinatorial Optimization, 1573-2886 (E- ISSN) 1382-6905 (Print ISSN),41(02), 328–347 (2021). https://doi.org/10.1007/s10878-020-00684-z.
- Geetika Dhand and Kavita Sheoran, "Evaluate AODV to DSR and Improving AODV", Journal of University of Shanghai for Science and Technology, 1007-6735,Volume 23(1),pp 247-252 ,Jan 2021.
- Geetika Dhand ,"Wi-Fi Based Home Automation System ",GIS Science Journal", 1869-9391, vol 8,issue 1,pp1215-1217,Jan 2021.
- Geetika Dhand, "Performance Analysis of Machine learning Algorithm for chronic kidney disease",International Journal of all Research education & Scientific methods , 2455-6211,volume 9,issue 1,pp 1988-1992, Jan2021.
- Manjit Kaur, Vijay Kumar, Vaishali Yadav, Naresh Kumar, Nripendra Narayan Das, " Metaheuristic-based Deep COVID-19 Screening Model from Chest X-Ray Images", Journal of Healthcare Engineering, 20402295, 2021,1-9, 3March 2021.
- P. Singh, P. Nanglia, V. Shokeen and A. N. Mahajan, "AN EXTENDED FRAMEWORK OF LUNG CANCER CLASSIFICATION USING HYBRID ARCHITECTURE OF SURF AND SVM," IT in Industry, 2203-1731(online), vol. 9, no. 1, pp. 1489-1502, 2021.
- Manish Gupta, Naresh Kumar, Bhupesh Kumar Singh, and Neha Gupta, " NSGA-III based deep learning model for biomedical search engines", Mathematical Problems in Engineering, 1563-5147, pp. 1-8, 2021.
- Gaur, V., Kumar, R. " Analysis of Machine Learning Classifiers for Early Detection of DDoS Attacks on IoT Devices" , Arabian Journal of Science and Engineering, 2021.
- Datta Gupta, K., Sharma, D. K., Ahmed, S., Gupta, H., Gupta, D., & Hsu, C. H. "A Novel Lightweight Deep Learning-Based Histopathological Image Classification Model for IoMT," Neural Processing Letters, pp. 1-24, 2021.
- Jatain, D., Singh, V., Dahiya, N., " A contemplative perspective on federated machine learning: Taxonomy, threats & vulnerability assessment and challenges", Journal of King Saud University-Computer and Information Sciences, 2021

Books/ Book Chapters Published by International/national Publishers with an established peer review system with ISBN/ISSN numbers

- Dr. Priyanka Nandal, Examining the Impact of Deep Learning and IoT on Multi-Industry Applications, Motion Imitation for Monocular Videos, IGI Global. 2021. (Book Chapter)
  ISBN - 9781799875116
- Dr. Priyanka Nandal , Optimizing Web Search Results for Image. K-means Clustering Algorithm, GRIN Verlag,2021,ISBN -9781799875116
- Dr Naresh Kumar, NIDS Based on Penalty Reward & Fuzzy K-Closest, Weser Books, No. 79737 Äussere Weberstr. 57 02763 Zittau, Germany, June 2021. ISBN-978-3-96492-290-8

FDPs, Seminars, Workshop and Conferences attended

- Dr. Koyel Datta Gupta, Dr. Rinky Dwivedi, Dr. Naresh Kumar, Dr. Sandeep Kumar, Dr.Priyanka, Dr. Kavita Sheoran, Dr. Geetika Dhand, Dr. Amita Yadav, Ms. Vimal Gaur, Dr. Savita Ahlawat, Dr. Sapna Malik, Ms. Vinita Rohilla. Ms. Shaily Malik, Dr. Sonia Rathee, Ms. Pooja Kherwa , Mr. Navdeep Bohra,Mr. Sushil Kumar,Ms.Shalu,Ms.Divya , attended 1 week FDP on "Internet of things" conducted by Career Quest Solutionson 4-9 January, 2021.
- Dr. Kavita Sheoran, Dr. Geetika Dhand, Ms. Vimal Gaur, Ms. Vinita Rohilla. Ms. Shaily Malik, Dr. Sonia Rathee, Ms. Pooja Kherwa , Mr. Navdeep Bohra attended 1 week FDP on "Recent advancement and challenges in IT" conducted by MSIT on 8-12 March, 2021.
- Mr. Navdeep Bohra attended 1 week FDP on " Econometric Models for time series and panel data" conducted by MSI on 15-19 February, 2021
- Dr. NareshKumar attended 1 week FDP on "Python Programming for Image Processing and IoT" conducted by Geethanjali, Institute of Science & Technology, Andhra Pradesh on 25 May to 31st May 2021.
- Dr. NareshKumar attended 1 week FDP on "Mobile Application Development" conducted by A. J. Institute of Engineering & Technology, Karnataka on 14 June 2021 to 18 June 2021.
- Dr. NareshKumar attended 1 week FDP on "Artificial Intelligence and Machine Learning" conducted by SPS University, Rajasthan on 21 June to 25 June 2021.
- Dr. Koyel Datta Gupta, Dr. Rinky Dwivedi, Dr. Naresh Kumar, Ms.Vinita Rohilla, attended 1 week Refresher Programme on "Use of ICT in Engineering Education" conducted by MSIT,New Delhi on 24 Feb. To 2 March, 2021.
- Dr. Priyanka Nandal, Dr. Sandeep Kumar, Dr. Sapna Malik, Dr.Sangita, attended 1 week Refresher Programme on "Use of ICT in Engineering Education"conducted by MSIT,New Delhi on 15 March. To 20 March, 2021.
- Dr. Kavita Sheoran, Dr. Geetika Dhand, Ms. Vimal Gaur, Dr. Savita Ahlawat, Dr. Sonia Rathee,Mr. Navdeep Bohra, Ms. Divya,attended 1 week Refresher Programme on "Use of ICT in Engineering Education"conducted by MSIT,New Delhi on 7 April To 13 April, 2021.

Paper presented in national/international Seminars/Conferences

- Navdeep Bohra, Vishal Bhatnagar, "Language Identification using Stacked Convolutional Neural Network (SCNN)", 11th International Conference on Cloud Computing, Data Science & Engineering (Confluence-2021), 978-1-6654-3034-0,IEEE Conference, pp 20-25.
- Amit Choudhary, Savita Ahlawat, " Facial Attributes Classification using Convolutional Neural Network (CNN)", National Conference "DIGITAL ENTREPRENEURSHIP", 978-81-949292-9-1, pp 81-85, 2021
- ShailyMalik, Kavita Sheoran and Geetika Dhand," A System for providing insight on a tourist spot based on Text Mining",In 4th International conference on Innovative computing and communication (ICICC-2021), at Shaheed Sukhdev College of Business Studies, University of Delhi on 20-21 Feb 2021.
- Vinita Rohilla,Sudeshna Chakraborty, Rajiv Kumar ,"Recommendation System Using Location Based Services", International Conference on Innovative Computing and Communication (ICICC), at Shaheed Sukhdev College of Business Studies, University of Delhi on 20-21 February, 2021.

Seminars, Workshops, Conferences, Trips and guest lectures organized by the Department

FACULTY DEVELOPMENT PROGRAMME

S. No.	FDP Topic	Name of the Expert	Date
1.	FDP on "Internet of Things"	Ms. Aayushi Purohit, CQS Training Pvt. Ltd	4 -9 Jan 2021

WEBINARS CONDUCTED FOR STUDENTS

S. No.	Webinars Topic	Name of the Expert	Date
1	Webinar on "Python and its application"	Mr Vikas Kalra	20 April 2021
2	Webinar on "AI Pathshala"	Mr. Anil Sharma, IITD Invocation and incubation centre	19 May 2021
3	Webinar on "Cyber Hygiene during Pandemic"	Mr. Rahul Tyagi from Safe Security	28 May 2021

MORNING SHIFT

Student Achievement Data

- Hardik, CSE III second year (batch 2019-2023) scored first position in the stage play competition held on 21 march 2021 at Lal Bahadur Shastri Institute of Management.
- Ravindra Singh Rayal, CSE III second year(batch 2019-2023) scored first position in 7 days challenge to understand AI on 14 June 2021.
- Ishani Kohli, CSE II second year (batch 2019-2023) participated in GirlScript Summer of Code 2021 from 8th March 2021 to 31st May 2021 which was conducted online and stood 164 out of thousands of participants from different countries. This is a 3 month long Open-Source program conducted during summers with the aim to help beginners get started with Open-Source Development.
- Gitali Daryani, CSE II second year (batch 2019-2023) stood first in UDGOSH on 21 March 2021 at Lal Bahadur Shastri Institute of Management.
- Paras Vashishth of CSE (1st Shift) 3rd year (batch 2018-2022) cleared 2 Exams named CS2 (CT4 and CT6) based on Risk Modelling and Survival Analysis using R programming Language from IAI (Institute of Actuaries of India) on 6th April 2021
- Sarthak Yadav of CSE (1st Shift) 3rd year (batch 2018-2022) along with his team ranked in the top 11-150 teams across India in ZS Associates Campus Beats Challenge in April 2021.
- Sarthak Yadav of CSE (1st Shift) 3rd year (batch 2018-2022) was invited to judge in World Universities Debating Championship, Korea 2021, on 7 July 2021.

ISSUE: JAN2021-JUNE2021

Technical Papers Publications Journals/Conference:
FINAL YEAR STUDENTS

- Naresh Kumar, Nripendra Narayan Das, Deepali Gupta, Kamali Gupta, and Jatin Bindra, "Efficient automated disease diagnosis using machine learning models", in Journal of Healthcare Engineering, 2040 -2295, pp.1-13, 2021.
- Naresh Kumar, Dhruv Aggrawal,"Learning Based Focused Web Crawler", IETE Journal of Research, 0377-2063,pp. 1-10, 2021.
- Sapna Malik, Aashish Upadhayay, Kartik Kumar, Nachiketa Raina, "VIZAUDI: A PREDICTIVE AUDIO VISUALIZER", in International Conference on Innovative Computing and Communication,2021
- Nandal, P., Ankit Satyawali, Dhananjay Sachdeva, and Abhinav Singh Tomar. "Graph Coloring based Scheduling Algorithm to automatically generate College Course Timetable." In 2021 11th International Conference on Cloud Computing, Data Science & Engineering (Confluence), pp. 210-214. IEEE, 2021.
- Amit Choudhary, Savita Ahlawat, Manan Rastogi, Nikhil Mandovra, Ankur Kumar, " Speech Emotion Recognition using MFCC Features ", National Conference "DIGITAL ENTREPRENEURSHIP", pp 139-142,2021
- Pooja Kherwa, Rahul Budhraj, Shreyans Sharma and Sakshi Gill,"Efficient Recommendation System using Latent Semantic Analysis"International Conference on Innovative Computing and Communication (ICICC-2021). 20-21 Feb 2021.
- Mayank Kanela, Harshit Dhingra,Mohil Singhal and GeetikaDhand,"Secure and Manage Passwords with Encryption and cloud storage",In 4th International conference on Innovative computing and communication (ICICC-2021), at Shaheed Sukhdev College of Business Studies, University of Delhi on 20-21 Feb 2021.
- Eeshwaran,Tanya Mittal and Kavita Sheoran "Server less computation with nuLambda",In 4th International conference on Innovative computing and communication (ICICC-2021), at Shaheed Sukhdev College of Business Studies, University of Delhi on 20-21 Feb 2021.
- Shaily Malik,Pratham Sharma, Rocky Jain and Ankit Vashisth,"Image Retrieval Using Multilayer Bi-LSTM",In 4th International conference on Innovative computing and communication (ICICC-2021), at Shaheed Sukhdev College of Business Studies, University of Delhi on 20-21 Feb 2021.
- Shaily Malik, Gaurav Arora ,Anvaya Ahlawat, Mandeep Payal,"Music Generation using Deep learning",In 4th International conference on Innovative computing and communication (ICICC-2021), at Shaheed Sukhdev College of Business Studies, University of Delhi on 20-21 Feb 2021
- P. Nandal, Y. Kadian, S. Upadhyay and B. P. Mudgal, "Pronunciation Accuracy Calculator using Machine Learning," 2021 5th International Conference on Computing Methodologies and Communication (ICCMC), 2021, pp. 1128-1133, doi: 10.1109/ICCMC51019.2021.9418381.
- Akshay Gautam, Harsh Jain, Ashutosh Senger and GeetikaDhand,"Battle Royale FPS Application",In 4th International conference on Innovative computing and communication (ICICC-2021), at Shaheed Sukhdev College of Business Studies, University of Delhi on 20-21 Feb 2021.
- Agunjalbali ,Rinky Dwivedi , " Survey of Smart Phone Contact -Tracing Apps Architecture" in the 4th International Conference on Innovative Computing and Communication (ICICC-2021), at Shaheed Sukhdev College of Business Studies, University of Delhi on 20-21 Feb 2021.
- Maryada ,Kriti, Manvi Gupta and Kavita Sheoran , "DevSecOps- A Boon to IT industry", in the 4th International Conference on Innovative Computing and Communication (ICICC-2021), at Shaheed Sukhdev College of Business Studies, University of Delhi on 20-21 Feb 2021.

THIRD YEAR STUDENTS (Batch 2018-2022)

- Nishthavan Dahiya, Mayank Dabas, Pratish Pushpraj, "Solving connect 4 using artificial intelligence" in the 4th International Conference on Innovative Computing and Communication (ICICC-2021), at Shaheed Sukhdev College of Business Studies, University of Delhi on 20-21 Feb 2021
- ParulDiwakar ," Automatic Image Captioning Using Deep Learning " In 4th International conference on Innovative computing and communication (ICICC-2021), at Shaheed Sukhdev College of Business Studies, University of Delhi on 20-21 Feb 2021.

EVENING SHIFT

Faculty achievements:

Papers published-

- Dr. Naveen Dahiya, "Performance of a language identification system using hybrid features and ANN learning algorithms" in Applied Acoustics (SCIE indexed) journal.
- Dr. Naveen Dahiya, "A contemplative perspective on federated machine learning: Taxonomy, threats & vulnerability assessment and challenges" in JKSU-CIS (SCIE indexed) journal.
- Dr. Naveen Dahiya, "How will COVID-19 impact renewable energy in India? Exploring challenges, lessons and emerging opportunities" in Energy Research & Social Science (SSCI indexed) journal.
- Dr Nishtha Jatana, "An Empirical Comparison of t-GSC and ACO_TCSP Applied to Time Bound Test Selection" in Recent Advances in Computer Science and Communications (Scopus indexed) journal.
- Ms. Neeti Sangwan, "Optimized Text Classification Using Deep Learning" in Advances in Information Communication Technology and Computing conference.

Patents published/granted –

- A patent was granted to Dr. Naveen Dahiya et al. On "An automatic sanitizing device".
- Dr. Adeel Hashmi et al., "IOT Based Smart Voting System for Pandemic Spread Mitigation" and "Point-to-Point Regression Analysis-based Big Data processing using machine learning".
- Dr. Nishtha Jatana et al., "Communication Assistance system and method of operating the same".
- Ms. Neeti et al., "Reduce, Re-cycle and Reuse (RRR) IOT Intelligence Waste Management System".
- Ms. Gunjan et al., "IOT based Autonomous Post Pandemic Health Care Monitoring System".

Events/Conferences-

- Dr. Adeel Hashmi participated in a 1 month online orientation programme organized by Ramanajun college in May-June 2021.
- Dr. Naveen Dahiya participated in 21-day FDP on 'Faculty Entrepreneurship Development Program' organised by IIIT Delhi Innovation & Incubation Centre from 15 March to 6 April 2021.
- Dr. Nishtha Jatana, Ms. Neeti Sangwan, Ms. Poonam Dhankhar, Ms. Gunjan participated in 1-week AICTE-ISTE Sponsored FDP on "Use of ICT in Engineering Education" from 24 Feb to 2 March 2021 organized by MSIT.
- Dr. Nishtha Jatana, Ms. Neeti Sangwan, Ms. Poonam Dhankhar participated in 1-week FDP on " Recent Advancements and challenges in IT" from 8-12 March 2021 organized by MSIT.
- Ms. Gunjan participated in 1-week ATAL FDP on "Internet of Things" from 1-5 Feb 2021.
- Ms. Poonam Dhankhar participated in 1-week FDP on "Information Security and Privacy" from 10-14 March 2021.

Student achievement:

- Mayank Kapur of CSE 3rd yr won 1st prize in Quizzy (software) competition organized by Furenergy-Grid in May 2021.
- Rajat Pundir of CSE 2nd yr won 1st prize in UDGOSH (weekend theatre films) organized by Lal Bahadur Shashtri Institute of Management.
- Rajat Pundir of CSE 2nd yr won 1st prize in Aaghaz'21 organized by P.G.D.A.V college (DU)
- Ekjot Kaur of CSE 2nd yr obtained 9th rank in GirlScript Code of Summer.

INFORMATION TECHNOLOGY

MORNING SHIFT

Faculty achievements:

- Dr. Prabhjot Kaur, Mr. Ronish Singh, Dr. Anupama Kaushik, Dr. Puneet Azad, Dr. Kavita Sheoron, Dr. Kamaljit Singh, Dr. K. P. Chaudhary "IoT based Smart Complaint Box" published on 22 Jan, 2021 with application no 202111001925.
- Dr. Prabhjot Kaur et al., "A Review on Data Level Approaches to Address the Class Imbalance Problem" in Recent Challenges in Engineering Science and Technology, ISSN 978-93-90214-20-4, 2021.
- Dr. Naresh Kumar, Dr. Adeel Hashmi, Dr. Neeru Rathee, Dr. Sudesh Pahal, Prabhjot Kaur Sidhu, Dr. Jyoti Yadav "Point to Point Regression Analysis-Based Big Data Processing using Machine Learning" published on 21 May, 2021 with application no. 202111017897.
- Tripti Sharma et al., "Development of Renewable Solar PV inverter with Grid Tie for Utility Power based on IOT" published on 5 March, 2021 with application no. 202121008396.
- Prof. Poonam Bansal, Prof. Meena Tushir, Ms. Shefali Dhingra, Ms. Sonia Goel, Ms. Jyoti Arora, Ms. Pooja Kherwa "Web application based Intelligent & Secured Image Retrieval Model" published on 5 March, 2021 with application no. 202111008414.
- Suman Mann, Archana Balyan, Deepshikha, Meena Siwach, Shivam, Sparsh "Wi-Fi based home automation system using Google assistance" published on 26 Feb, 2021 with application no. 202111007809.
- Suman Mann et al., "Areca leaf Shredding machine" published on 5 March, 2021 with application no. 202141007807
- Dr. Tripti Sharma, Dr. Rinky Dwivedi, Dr Koyel Datta Gupta, Dr. Rekha Tripathi, Dr. Archana Balyan, Dr. Meena Rao "Method for authenticating and validating quick response code" published on 9 April,2021 with application no. 202121010704 A.
- Dr.Suresh Kumar, Dr.S.Prasath, Dr.Sanjay,Dr.Bharti Sharma, Dr.Tripti Sharma, Ms.Gunjan, Janmejay J. Chitade,Praveen Math, Mrs.G.Neelima, Dr. V.LakshmiPrasanna "IOT based Autonomous Post Pandemic Health Care Monitoring System" published on 12 Feb, 2021 with application no. 202131006190.
- Sakshi Hooda, Suman Mann, "Review on Predicting Disease Severity – Learning Algorithms as Classifiers for Data Warehouse Environments" in Information Technology in Industry, Vol 9, no 1 2021
- Drishti Agarwal, Preeti Nagrath, Jyoti Arora, "Game Theory and its Applications in Cyber Security", In Journal of Multidisciplinary Engineering Technologies, Vol 15, no. 1 2021.

- Dr.Tripti Sharma et al., "IOT based Autonomous Post Pandemic HealthCare MonitoringSystem" published on 12/03/2021 with application no 202131006190.
- Tripti Sharma, A.K.Mohapatra, Geetam Singh Tomar, " A review of soft computing based cluster-heads selection algorithms in wireless sensor networks" Materials Today Proceedings, Available online 28 March 2021.
- Rumi Iqbal Doewes, Rajit Nair, Tripti Sharma, "Diagnosis of COVID-19 through blood sample using Ensemble Genetic Algorithms and Machine Learning Classifiers", World Journal of Engineering, available online 1 July 2021.
- Sonika Malik, Sarika Jain, "Sup_Ont: An Upper Ontology" in International Journal of Web Based Learning and Teaching Technologies,ISSN 1548-1093, 2021.
- Upadhay K., Kaur, P. and Prasad SVAV, "State of the Art on Data level methods to address Class Imbalance Problem in Binary Classification" in GIS Science Journal, ISSN 1869-9391.
- Sonika Malik, Sarika Jain "Semantic Ontology-Based Approach to Enhance Text Classification" in International Semantic Conference, ISSN 1613-0073,2021.
- Anupama Kaushik, "Role of ANN in Functionality and Designing of Solar Photovoltaic Cell: A Review" in Recent Advances in Mechanical Engineering RAME2020,1SBN: 978-981-15-9678-0 in springer, 2021.
- Jyoti Arora, Muskan Mahajan, Mayank Grover, Smriti Rout, "Comparative Analysis of Generative Adversarial Network." International Journal of Information, Communication and Computing Technology, Vol. IX, Issue-1, 2021.
- Tripti Sharma, Anmol Ashri, Navin Kumar, Shubham Pal, Rajat "Evaluation of Python Text Summarization Libraries" International Journal of Engineering Development and Research, Vol 9, 2021.

Student achievements:

- Priyal Bhatewara of IT1 (1st Shift) 3rd year (2018-22) mentored in JGEC Winter of Code and won the title of "Best Project Mentor" virtually in March 2021. Got selected as Microsoft Learn Student Ambassador in Jan 2021.
- Harsh Mamgain of IT1 (1st shift) 2nd year (2019-2023) became quarterfinalist in Asian Parliamentary Debate under Partial Octos at People Speak organized at Venkateshwara College, University of Delhi in March 2021.
- Monalika of IT-2 (1st shift) 2nd year (2019-2023) won Google Generation Scholarship in May 2021.
- Ekta Dua of IT-1 (1st shift) 2nd year (2019-2023) became HPAIR Delegate under Harvard Project for Asian and International Relations in January 2021.
- Tanay Aggarwal of IT-1 (1st shift) 2nd year (2019-2023) became HPAIR Delegate under Harvard Project for Asian and International Relations in January 2021.
- Bijender Kumar of IT-1 (1st shift) 2nd year (2019-2023) did an online course at Indian Space Research Organization on Satellite based Navigation: a journey from GPS to mobile phone in March 2021.

EVENING SHIFT

Faculty achievements:

- Tripti Rathee "T. Rathee and P. Singh, A systematic literature mapping on secure identity management using blockchain technology, Journal of King Saud University–Computer and Information Sciences.
- Tripti Rathee attended 1 week FDP on "Recent Advancements and challenges in IT" from 08-03-2021 to 12-03-2021, organized by MSIT,New Delhi
- Tripti Rathee attended 1 week Refresher programme on "Use of ICT in Education on" from 24-02-21 to 02-03-2021, organized by MSIT, New Delhi.
- Minakshi Tomer attended 1 week FDP on "Recent Advancements and challenges in IT" from 08-03-2021 to 12-03-2021, organized by MSIT,New Delhi
- Minakshi Tomer attended 1 week Refresher programme on "Use of ICT in Education" from 24-02-21 to 02-03-2021, organized by MSIT, New Delhi
- Sitender attended 1 week FDP on "Recent Advancements and challenges in IT" from 08-03-2021 to 12-03-2021, organized by MSIT,New Delhi.
- Sitender attended 1 week Refresher programme on "Use of ICT in Education on " from 24-02-21 to 02-03-2021, organized by MSIT, New Delhi
- Sitender attended one week FDP on "Econometric Models for Time series and Panel Data" from 15-02-21 TO 19-02-2021 organized by MSI.
- Sitender attended a one-day national webinar on "Fundamentals of Intellectual Property Rights for Entrepreneurs & Academicians" on 1-02-2021 organized by Government Post Graduate College for Women, Sector-14, Panchkula.
- Dr Bharti Sharma attended 1 week Refresher programme on "Use of ICT in Engineering Education" from 24-02-21 to 02-03-2021, organized by MSIT, New Delhi
- Dr Bharti Sharma attended 1 week FDP on "Recent Advancements and challenges in IT" from 08-03-2021 to 12-03-2021, organized by MSIT,New Delhi
- Saba Khanum participated in 1-week online AICTE Recognized Faculty Development Programme on "Cryptography for Network Security" from 03-05-2021 to 07-05-2021 Conducted by Computer Science and Engineering Department NITTTR, Chandigarh.

Student achievements:

- Prateek Sharma, IT Evening, 4 th Year participated at Shaheed Bhagat Singh Parliamentary Debate (6 th -8 th March 2021) and won the Best Adjudicator Prize. He also broke as an adjudicator at The Priyansh Khandelwal Hansraj Debate (12 th -14 th March 2021) and judged till the Grand Finals. He was an Invited Judge at the following tournaments- Ram Manohar
- Lohiya PD (19 th -21 st March 2021), BITS Pilani PD (20 th -21 st March 2021), Axiom- Janki Devi Memorial College PD (20 th -22 nd February 2021), Motilal Nehru Memorial Debate (2 nd -4 th April 2021). He debated at Dialectics- Miranda House PD (27 th -29 th March 2021), broke 2 nd on tabs and emerged as a Quarterfinalist. He was also selected to judge at Trinity IV by Trinity College Dublin (30 th January-1 st February 2021) and International Queer Round Robin Invitational Debate (14 th -15 th May 2021)

ELECTRONICS AND COMMUNICATION ENGINEERING

AICTE-ISTE sponsored Refresher/Induction program on "Use of ICT in Engineering Education"
Dept of ECE, MSIT organized an online program in three different slots from February 2021 to April 2021. The aim was to inform about various Information and Communication tools that can be used for the teaching-learning process. The coordinator of the program was Dr Meena Rao. All three slots saw the participation of Experts from renowned Institutes like IIT, IIITs, NITs, NSUT, reputed industries etc. who gave wonderful insights to the participants on topics ranging from blended learning, virtual labs, Google classroom, Virtual Labs etc.

MORNING SHIFT

Faculty achievements:

Technical Papers Published in Journals/Conferences

- Deepti Deshwal, and Naveen Dahiya, "Performance of a language identification system using hybrid features and ANN learning algorithms."
- Aman Dahiya, Nidhi Sindhwani, "Design and Construction of a Low Loss Substrate Integrated Waveguide (SIW) for S Band and C Band Applications."
- Geetanjali Sharma, Abhishek Parashar, and Amit M. Joshi, "DepHNN: A novel hybrid neural network for electroencephalogram (EEG)-based screening of depression."
- Richa Gupta, Gaurav Varshney, and R. S. Yaduvanshi, "Tunable terahertz circularly polarized dielectric resonator antenna."

- Poonam and Shaifali M. Arora, "ARPS: An efficient fast block matching algorithm for motion estimation"
- M.Gautam, S.M. Arora, "Smart Monitoring & Fault Detection of Sewer system" (AdMet 2021).
- D Yadav, R Gupta, "Double-layer secured automatic home access system with gas detector sensor using Raspberry Pi and Python".
- Aman Dahiya. and Deepti Deshwal, "Design Fundamentals: Iris Waveguide Filters Versus Substrate Integrated Waveguide (SIW) Bandpass Filters" in Proceedings of International Conference on Artificial Intelligence and Applications.
- Richa Gupta, Deepshika Yadav, Meena Rao, "Design and Testing of SMPS in Accordance with IEC 61000-4-11 Standard with Measurement Uncertainty".
- N. Rathee, S. Pahal, D. Sheoran, "Evaluating the Uncertainty of Classification Due to Image Resizing Techniques for Satellite Image Classification".

Student achievements:

- Gopal Shukla, Pranshu Nigam, & Rohit Gupta of batch 2021 qualified GATE Entrance Exam.
- Akshay Sahai qualified CAT exam.
- Mayank qualified AFCAT exam.
- Yukti Mohan of batch 2021 has got admission in MBA in IIT, Bombay.
- Harshaditya of batch 2021 has got admission in MS in Imperial College London.
- Entrepreneur 2021: Rakshit Satija, Company Name: Skyware Automation Pvt Ltd.

EVENING SHIFT

Faculty achievements:

Technical Papers Published in Journals/Conferences

- Dr. Pardeep Sangwan, "Performance of a language identification system using hybrid features and ANN learning algorithms." Applied Acoustics 175 (2021)
- Dr. Pardeep Sangwan," How will COVID-19 impact renewable energy in India? Exploring challenges, lessons and emerging opportunities." Energy Research & Social Science 77 (2021)
- Mr. Sandeep Singh, "FIR Filter Design Using Grasshopper Optimization Algorithm" (AdMet 2021).

FDPs/Workshops/Short-term courses attended

- Dr. Pardeep Sangwan, Mr. Ravi Choudhary, Mr. Sandeep Singh and Ms. Jasmine Chhikara attended 5 days FDP on "Use of ICT in Engineering Education", held during Feb-April, 2021.
- Mr. Ravi Choudhary and Ms. Swati Malik attended 5 days FDP on "Recent advancements and challenges in IT", from 8th-12th March, 2021 organized by MSIT.
- Ms. Garima attended 10 days short-term course on "Brain mapping and Artificial Intelligence", from 11th-20th March, 2021 organized by IIT, Delhi.
- Ms. Neetu attended 5 days FDP on "Indo-US VAJRA course on Fundamentals of Electromagnetics" from 15th-19th March, 2021, organized by NIT Silchar, JNU & California University.
- Ms. Suman Lata attended 5 days FDP on "Energy harvesting materials and devices" from 24th-28th May, 2021, organized by NITTTR Chandigarh.
- Ms. Swati Malik attended FDP on "Research methods and tools of data analysis" on 19th June, 2021, organized by Lala Lajpat rai institute of management, Mahalaxmi, Mumbai.

Student achievements:

- Tavneet Singh ,3rd year has won 2nd position in Data Fiesta (Hackathon) organized by Polestar Solution held from 5th-9th April, 2021.
- Bhawani Shankar and Arundhati Baweja of batch 2021 qualified GATE Entrance Exam.
- Chanchal Mishra of batch 2021 has got admission in MTech VLSI in IIITD.

APPLIED SCIENCES

EVENING SHIFT

Faculty achievements:

Research Papers & Book Chapters Published

- Swati Chaudhary, Amit Singh, Pankaj Kumar and Mahima Kaushik, "Journal of Biochemical and Molecular toxicology". https://doi.org/10.1002/jbt.22784.
- Dr. Rekha Tripathi published a patent on "Method for Authenticating and Validating Quick Response Code"
- Dr. Rashmi Gupta, "Psychology Trauma and Post-Traumatic Stress due to Pandemic Crisis in India". International Journal of Multidisciplinary Educational Research, Vol. 10, April'21.
- Mr. Sachin Dhull, "System for cash depositing and dispensing with auto sanitization functionality based on the internet of Things", June'21.
- Swati Chaudhary, Niloy Sarkar and Mahima Kaushik, Recent advances in nanotechnology for accomplishing sustainable agriculture, in Water Conservation in the Era of Global Climate Change.
- Swati Chaudhary, Mohan Kumar, Saami Ahmed, Mahima Kaushik. Detection and Removal of Heavy metals from wastewater using Nanomaterials, in Water resource management: Strategies and scarcity, (March'21).

Papers presented in National/ International Conferences:

- Dr. Sobinder Singh presented a paper on "Electrical Properties of PulCds Nano composites" organized by MSIT held on 5-6 March,2021.
- Mr. Narender Singh presented a paper on "Optimization of flux for Bead geometry & Weld distributin in SAH" organized by organized by MSIT held on 5-6 March,2021.
- Dr. Gitanjali presented a paper on "Reliability Measurement of complex Industrial Redundant System" organized by MSIT held on 5-6 March,2021.
- Dr. Rashmi Gupta presented a paper on "Mythologizing mythology: A study of Amish Tripathi's novel Sita: Warrior of Mithila" organized by MSIT held on 04-05 March ,2021.
- Ms. Reenu attended refresher course/FDP in Statistics on, "Applications of Statistical Techniques in Real World" organized by Teaching Learning Centre, Ramanujan College, University of Delhi held from 01-15 May,2021.
- Dr. Rashmi Gupta presented a paper on "Novel Approaches to Grammar-Teaching for English Language Acquisition" organized by SKIT, Jaipur (May 2021).
- Mr. Sachin Dhull presented a paper on "Innovation in different Abrasive flow Machining Process: A review" organized by Association of Engineers & Technocrats, SGT University, Gurugram (May'21).
- Dr. Rekha Tripathi Published a patent on "Method for Authenticating and Validating Quick Response Code".

FDPs, Workshops and Webinars attended

- Ms. Reenu attended National Webinar on "Emerging trends in applied Mathematics" organized by Punjab University, Chandigarh, Feb'21.
- Ms. Reenu attended an international workshop on "Recent Trends in Applied mathematics and Research Methodology" organized by Govt.MGM PG College Itarsi, Mar'21.
- Dr. Sobinder Singh, Dr. Rekha Tripathi, Dr. Gitanjali, Dr. Rashmi Gupta, Dr. Swati Chaudhary and Ms Reenu Kumari attended Refresher Programme on "Use of ICT in Engineering Education" held during 07-13 April, 2021.
- Dr. Rekha Tripathi attended a webinar on "Infrared Spectroscopy: fundamentals and Applications" organized by Deshbandhu College, D.U. held on 08 April, 2021.
- Dr. Rashmi Gupta attended Online faculty development program on "Exploring Trends, Challenges & Perspectives in Engineering Education" organized by GTBIT, New Delhi held during 19-23 April, 2021.
- Ms. Reenu attended refresher course/FDP in Statistics on, "Applications of Statistical Techniques in Real World" organized by Teaching Learning Centre, Ramanujan College, DU held from 01-15 May,2021
- Dr. Rashmi Gupta attended National Webinar on "Effective and efficient Writing of research papers for the Web of Science, Scopus indexed journal and Conference papers using typeset research studio" organized by Sushant University, Gurugram held on 29th may, 2021.

PLACEMENT CELL

- 513 Job offers (with some students having more than one job offer)
- 2 students placed in Goldman Sachs at a package of 23 LPA
- 6 students placed in Amazon at a package of 19 LPA
- 10 students selected as Amazon intern with a stipend of 60K per month; leading to a PPO of 30 LPA
- 4 students placed in ION at a package of 12 LPA.
- 1 student placed in Nasdaq at a package of 13.44 LPA
- 20 students placed in ZS at a package of 10 LPA and above
- 17 students placed in IHS Markit at a package of 6.5 LPA

- 3 students placed in JARO at a package of 8.48 LPA
- 142 students placed in Infosys till now through the regular campus drive as well as HackwithInfy and Infy Certification programs.
- 121 students have been placed in TCS till now.
- Results of a few students from Infosys interviews are still awaited.
- 132 students selected through Cognizant drive till now.
- Two students from B. Tech Batch 2022 have been selected in ZS through their Campus Beat process. Campus beat process takes place before the regular ZS campus drive.

- 57 students from various branches of Batch 2022 have been shortlisted for interviews in Infosys through the Hackwithinfy (HWI) process.
- Four students have been selected as interns in IHS Markit for summer internship leading to possible PPOs. The stipend offered is Rs. 25,000/-
- Firstnaukri conducted placement preparation test FNAT based on verbal ability, quantitative aptitude and logical skills for Third year Batch 2022 students.
- An online test was held for third year students and final year students (Batch 2022 and Batch 2021 students). The test was 4.5 hours long and held to assess the skill set of students in quantitative, qualitative as well technical domain.

- An online test was held for the skill assessment and for employment offers for Batch 2021 and Batch 2022 students. This test helps freshers to get an opportunity to build a career path and helps companies to easily find the candidates without going through the hectic process of recruitment. These recruiting companies consider scores in the CoCubes test and hence chances are that a candidate might even get an interview call letter from the company. CoCubes is associated with various top-notch companies like Adobe, HSBC, Paytm, Philips, etc.

- A session and test for final year students was arranged by Careerlabs. The students were informed about the various career prospects, how to improve their skill and domain for the job market.
- Microsoft is offering mentorship guidance to select students from Batch 2023. This program is open to students of all branches who fulfil the eligibility criteria. The selected students will be given opportunities to enhance the skills by Microsoft and select students may get placement opportunities as well. Around 30 students from Batch 2023 have been selected for the programme.
- An Online mock placement test for third year students was organized on 30th May, 2021 to make them aware about the kind of questions that appear in placement drives. The Test was hosted on Hackerearth and was organized with the support of final year students.
- MSIT placement coordinators arranged a session by final year students for their juniors to guide them about how to prepare for test and interview process of various technical companies. The session was held on 5th June 2021. The session was spearheaded by students placed in high end companies like Microsoft, Google, Nasdaq, Amazon, ZS etc. Students were told to improve their skills in programming languages such as C++, Java, Python etc. Juniors were also informed that participating in various Hackathons would be really beneficial for them. Moreover, it was suggested that students should take up such projects which improve their learning and technical skills.
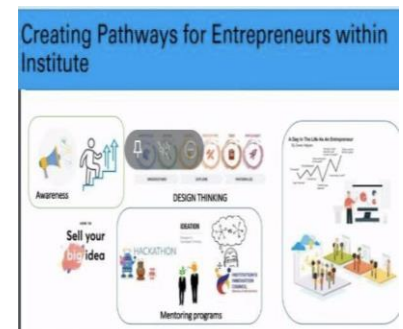
College Societies

E-CELL

National Innovation and Start-up Policy
-January 16, 2021

The Orientation Program for faculty members of the National Innovation and Start-Up Policy (NISP) was held at Maharaja Surajmal Institute of Technology, with distinguished Chief Guest Mr. Kaptan Singh Solanki. Dr. Neeru Rathee gave the presentation on the NISP and how the incubation cell works. The discussion began with Mr. Kaptan Singh emphasizing the importance of the topic and emphasizing how unemployment is the world's greatest challenge.

LINKEDIN PROFILE BUILDING WORKSHOP
-25th February 2020

The conference began with a presentation by Anindya Chowdhury, an IIM Rohtak graduate and former ICICI band manager who is presently employed at Prep Junction in a senior position, who discussed the necessity of having a solid resume and the advantages of having a decent LinkedIn profile. He showed us how to create an ATS-friendly resume for a specific job function, how to write effective success statements with action verbs, and how to choose the right resume format for the job.

CASE STUDIES WORKSHOP

-April 2, 2021

In collaboration with T.I.M.E, ECELL MSIT hosted a case studies workshop on how to excel in case studies. The meeting began with Sunil Dua, the host, explaining the attributes a recruiter looks for in a prospect. He went on to describe how case studies allow an interviewer to see a candidate's strengths and limitations in action, such as creative thinking, problem solving, analytical reasoning, and effective communication abilities. All of the guests were instructed to approach the case studies with a clear and relaxed mind.

INTERNSHIP FAIR 2021

-11th May 2021

E-Cell MSIT hosted an internship drive with the goal of interacting with companies to hire interns and students for full-time MSIT positions. Wegrow, KRG, Leadershala, Ferofly, Techcanvass, Oyelabs, A-dot Creation, Questcrest, Skillarena, and many more worked with E-Cell MSIT for this event.

These 15+ businesses hired students for both technical and non-technical positions, allowing them to refine the skills needed for professional job. This year, more than 500 students applied for internships.

PRAKRITI

WEBINAR ON PHYSICAL FITNESS

-January 26, 2021

On Republic Day, NSS MSIT and Prakriti MSIT conducted a Masterclass on Physical Fitness of Mr. Ronak Vora, a Fitness Educator, Problem Solver and Entrepreneur, with over 7 years of experience. It focused on the process of taking care of yourself and how self-love gives you encouragement, freedom and energy to do the things you love. The webinar concluded with the idea of "Self-empowerment", which brought up a wave of motivation that everyone can learn to self-love and be confident within themselves

DEVELOPING LEADERSHIP QUALITIES

-(March 15 – March 19), 2021

The NSS Cells of MSI and MSIT and Prakriti MSIT in collaboration with NSS Cell GGSIPU, organised a 7 days program on Self Development, emphasising upon "Managing Self: Developing leadership qualities. The motive of this programme was to help the students develop leadership qualities, explore themselves as leaders, reconstruct themselves to become a better person who can bring an affirmative change and uphold the need for self-less service, understanding the true motto of NSS and life - Not me but you

WEBINAR ON MENTAL HEALTH

-May 15, 2021

NSS MSIT, in collaboration with Prakriti MSIT, conducted a webinar and invited a celebrity Psychologist, Dr Nisha Khanna. The primary aim of this webinar was to reach out to those people who were struggling with the ongoing pandemic because the recent spike in Covid-19 cases had taken a heavy toll on many people's mental health

VAN MAHOTSAV WEEK

-(July 01 – July 07), 2021

NSS MSIT in collaboration with Prakriti MSIT organized a week-long Plantation Drive, Van Mahotsav. An awareness campaign was held on Prakriti's Instagram handle to promote and make people aware of different plant species, their uses, optimal conditions for growth and how to look after them. The event's objectives were to do the best with the minimal number of resources while staying indoors, encourage others to plant.

Webinar in observance of World Youth Skills Day

-July 15, 2021

The webinar was inspired by this year's Youth Skill Day theme, which honours youth's persistence and ingenuity in the face of hardship, as well as skill providers that have adapted their learning delivery techniques to suit the epidemic's requirements. The event was effectively organized and implemented under the guidance of Ms. Chetna Sabharwal. She spoke about several crucial and demanding issues, such as the future of work and employment post Covid-19, key and timeless skills, brain-computer interface, employability quotient, personal branding, and transformation the students require. Prakriti MSIT is pleased to have organised such a great event and wishes to express gratitude to the college administration and the speaker, Ms. Chetna Sabharwal for their prompt advise and cooperation.

Checkmate

-(July 20 – July 21), 2021

NSS MSIT in collaboration with Prakriti MSIT organized an online two-day Chess tournament on the occasion of International Chess Day. The competition was sponsored by Wanderlove hostel, Rishikesh's budget friendly backpackers' hostel and café. The event had The Choco chuckle and Gifting Occasions as gifting partners. The event was conducted in 2 rounds- Prelims and the Chess competition. Top 50 performers of the quiz moved on to the chess competition where they competed for the prizes. The event was a huge success with participation seen from different colleges from all over the country.

IIC

Innovation Ambassador Training Program
-(16Jan – 17Jan), 2020

Design thinking and Innovation was attended on 16-17th January 2020, which was Hosted by Lovely Professional University, Punjab. This was organized under the innovative initiatives of Ministry of Human Resource Development (MHRD Government of India) its Innovation Cell and Institution's Innovation Council. The 'Series' was boost up innovation, start-ups, entrepreneurship spirit among young students of the country and to structure as well constitute the management of an incubator. The objective through this series was to drive innovation and start-up ecosystem at the campus, while connecting with ecosystem enablers at regional and national level. For this, the role of faculty being a member of IIC is very important to play as a mentor or guide young minds in their pursuit of Innovation and entrepreneurship. It was established that it is equally crucial for mentors to have adequate mentoring skills.

Idea Competition – Innovation Cell MSIT
-27Feb, 2020

An idea competition was organized by Innovation Cell MSIT on 27 th February 2020 in Room no. 206 to encourage students for innovative thinking. A total of 25 teams from 4 institutes registered in the event who presented their ideas on different kinds of problems. The problems were based on various themes including Water conservation, energy harvesting, mobile applications, disposal management and software solutions to different applications. Dr. Sudesh Pahal and Dr. Geetika Dhand evaluated the ideas based on uniqueness, feasibility, scalability and potential for society welfare. A total of 17 ideas were shortlisted and offered for mentoring.

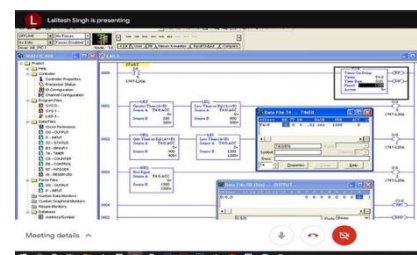## Internal Hackathon
-15Jan, 2020

The event Internal Hackathon was organized by Innovation Cell MSIT on 15 th January 2020 in order to shortlist teams for participating in Smart India Hackathon 2020. There were two editions: software and hardware. A total of 22 teams registered in the event who presented their ideas on the problems already given by SIH. The problems were based on various themes including Water conservation, energy harvesting, mobile applications, disposal management and software solutions to different applications. Out of 22, 18 were software based and 4 were hardware-based proposals. Prof. Archana Balyan and Dr. Sudesh Pahal evaluated the hardware teams and selected 3 teams. Mr. Sitender malik evaluated software-based teams and selected 15 teams based on their performance.

IEEE

Webinar on IIOT
-27 Feb 2021

IEEE PES MSIT, in conjunction with MSIT's EEE department and Sofcon India Pvt. Ltd., aims to assist students in learning new skills and expanding their expertise. PLC, SCADA, and IIOT were discussed in this webinar.

#IamRemarkable Session
-08 March 2021

On International Women's Day, WIE IEEE MSIT hosted an online #IamRemarkable Session for girls from several colleges. #IamRemarkable is a Google campaign that empowers women and marginalized groups to speak publicly about their achievements in the workplace and beyond, breaking down modesty conventions and breaking down glass ceilings.

Tech Intellect
-10 March 2021

On March 10, 2021, from 6 PM to 7 PM, IEEE-WIE and MSIT hosted an interesting quiz competition, TECH INTELLECT, a technical quiz competition, in honour of International Women's Day. Female students from all colleges were eligible to participate in this competition. The event was held with the goal of promoting women in the field of technology while also giving everyone an equal chance. A total of 50 issues had to be solved in 60 minutes.
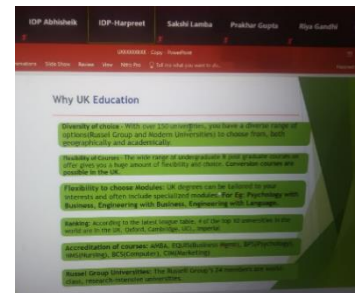

Pick a Pen
-12 March 2021

IEEE-WIE, MSIT hosted an interesting creative writing competition, Pick a Pen, on March 12, 2021, from 6 p.m. to 7 p.m., in honour of International Women's Day. Female students from all colleges were eligible to participate in this competition.

International Education Ecosystem
-08 April 2021

IEEE MSIT is committed to providing an environment in which its students can be exposed to all of the opportunities accessible worldwide. In order to address this, IEEE MSIT held a workshop, in conjunction with IDP consultancy.
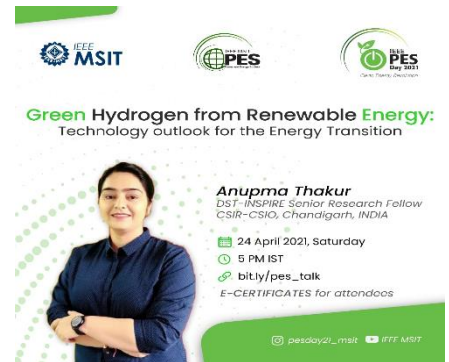

Techno Green
-19 April 2021

Every year on April 22nd, Earth Day is commemorated. Although it is not a national holiday, individuals honour Mother Earth in many ways. With this in mind, IEEE CS MSIT held an online quiz for a week to raise awareness about the relationship between technology and the environment.

Green Hydrogen from Renewable Energy-An Expert Talk
-24 April 2021

With the goal of "leading the wave of change," IEEE MSIT strives for excellence in all of its undertakings. As a result, on the occasion of PES DAY 2021, IEEE PES MSIT agreed to host an Expert Talk by Speaker "Anupma Thakur"-DST-INSPIRE Senior Research Fellow CSIR-CSIO, Chandigarh, India on "Green Hydrogen from Renewable Energy": Technology Outlook for the Energy Transition.

GATEway to Success
-25 April 2021

GATEway to Success, a webinar on the GATE exam and the myriad of options it offers, was conducted by IEEE WIE and MSIT. The goal of the program was to dispel all of the myths and questions that students have about passing the GATE exam. Nipun Mittal was the session's invited speaker. He talked about how he got AIR-3 in GATE'19 CSE. He is also the upcoming SDE at Google and the ACM ICPC'17 Kanpur Regionals Rank holder.

Tech Talk (Episode – 1)
-12 May 2021

On 12 May 2021 at 6:00 PM, the IEEE Computer Society at Maharaja Surajmal Institute of Technology hosted an interactive webinar on Android Development with Mr. Akshay Rein Wazir as the speaker.
Mr. Akshay Rein Wazir is a third-year student at Maharaja Surajmal Institute of Technology, where he is pursuing a Btech in the IT Department. He has a lot of experience with Android development and has worked on a lot of projects including E-commerce apps, Clean on Demand, Student Attendance, and so on. Aside from that, he qualified for Google Code Jam 2021 with a ranking of 5746 out of 50k competitors.

Financial Planning for Young Professionals
-15 May 2021

Financial Planning for Young Professionals, a webinar focusing on financial literacy, was held by IEEE WIE, MSIT, HerMoney Talks, and BSE India Ltd. in conjunction with IEEE WIE, MSIT, HerMoney Talks, and BSE India Ltd.Ms. Roshni Nayak was the session's speaker. Since the previous decade, she has worked as a financial planner and coach, assisting clients in achieving holistic financial well-being in a disciplined manner.

Tech Talk (Episode – 2)
-15 May 2021

On the 17th of June 2021 at 5:00 PM, the IEEE Computer Society at Maharaja Surajmal Institute of Technology hosted an interactive webinar on Ethical Hacking with Mr. Prince Kumar Patwari as the speaker.

Mr. Prince Kumar Patwari is a third-year student at Maharaja Surajmal Institute of Technology, where he is pursuing a Btech in the Information Technology Department. He has a lot of expertise with ethical hacking and is an EC-Council certified hacker. Since his early undergraduate years, he has been undertaking penetration testing for several companies.

"To fight a hacker, you have to think like one." Mr. Prince shared his knowledge and experience with the audience, focusing on the themes listed above.
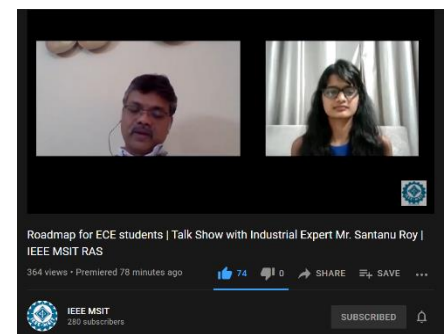

ROADMAP FOR ECE STUDENTS
-18 May 2021

IEEE MSIT RAS hosted a talk show with an industry specialist to cover many elements of electronics and communication.

The goal of the discussion was to familiarize students with significant domains in the field of electronics, as well as to comprehend the reasons behind the slow growth of the electronics domain in India and to get familiar with its breadth. Furthermore, the speaker directed the audience members through the know-how of the electronics domain to assist them examine their career aspirations and be aware of the sector as the conversation included the topics of projects, interviews, and placements.

CrypTrade - Mock trading competition
-28 May 2021

IEEE WIE, MSIT, and Roostoo collaborated to hold an online mock trading competition with the goal of giving participants first-hand trading experience and introducing them to the ever-changing world of cryptocurrencies. The goal of the event was to familiarize novice traders with real-world trading and help them better grasp trading techniques and portfolio management.

AIML Venture
- 05 June 2021

Artificial Intelligence and Machine Learning are two of the most talked-about issues right now. IEEE has teamed up with GirlUp Ahsaas to bring you this event. The AIML Venture was created to assist students and technology executives in cutting through the hype and learning how intelligent technologies are being successfully deployed to build competitive advantage, drive new business opportunities, reduce costs, and accelerate innovation efforts, as well as how to get started with it.

This event had three prominent speakers. Google Explore ML facilitator Aditya Jyoti Paul, Dot QuestionMark Program Manager Dibyasom Puhan, and Microsoft Program Manager Mohit Chandra.
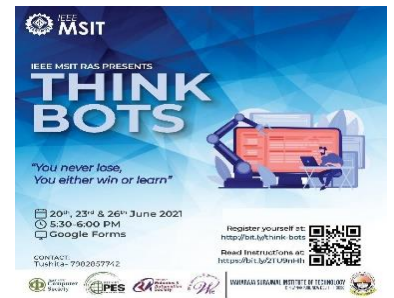
Saathi Talks

- 18 June 2021

This pandemic has shown to be a huge threat to all students' mental health around the world. Students have been locked inside the house's four walls, unable to connect with their peers or lead normal lives. IEEE MSIT, in partnership with E-CELL MSIT and Prakriti, hosted an event called Saathi to give students a place to express their emotions and assist them stabilize their mental health.

THINK BOTS QUIZ SERIES

- 20 June 2021

A quiz competition series on Python programming language, Machine learning, its many areas, and associated concepts was organized by IEEE MSIT RAS. Machine learning is the study of computer algorithms that improve themselves over time as a result of experience and data. It is considered to be a component of artificial intelligence.

IEEE MSIT YouTube ML Series

- 28 June 2021

The IEEE MSIT RAS has started a YouTube series called "Zero to Gans in Machine Learning." The YouTube series intends to provide students with hands-on learning opportunities and a strong emphasis on basics in order to help them gain an understanding of machine learning. Machine learning is a type of data analysis that automates the creation of analytical models. It's a field of artificial intelligence based on the premise that computers can learn from data, recognize patterns, and make judgments with little or no human input. The series began in August of 2020, and there have been eleven uploads to date. Akshit Sehgal, a second-year student with a core in electronics and communication and the treasurer of IEEE MSIT RAS, ML aficionado, and skilled in python and c++, led the progressing sessions for the month of June. For the month of June, there have been only two uploads. The videos covered all of the necessary python principles for machine learning.