REFLECTIONS
BY
MAHARAJA SURAJMAL INSTITUTE OF TECHNOLOGY

ORIENTATION PROGRAM OF THE NATIONAL INNOVATION AND START-UP POLICY- MSIT

Maharaja Surajmal Institute Of Technology hosted the Orientation Program for the faculty members of National Innovation and Start-up Policy (NISP). Dr. Kaptan Singh Solanki were our honourable Chief Guest for the event. Dr. Neeru Rathee led the presentation for introducing NISP and working of incubation cell. The meeting began with Dr. Kaptan Singh addressing the importance of the subject and how unemployment is the world's biggest struggle. Illustrations about the functioning of the selection process for Pre-Incubation and Incubation, and describing the infrastructure followed by incentivizing faculty for the innovation and entrepreneurship, and discussion about the IP ownership rights and Technologies developed at HEI were explored. Many targets were chimed in this event like building the pathways for the entrepreneurs within the institution, preparing the Criteria on which students can enrol in this policy and take benefit from it as well the faculty considering will be provided with leaves for work. Towards the end, the Impact Indicator of Policy Implementation was elaborated where the impact of awareness and outreach for conduction of events by the institute and for the participation of students, the impact of the financial strategy, and the assistance by the institute were reviewed.

INSIDE THIS ISSUE

FROM THE DIRECTOR'S DESK

"Our all efforts are converged in creating a cohesive centre of academic excellence and innovations in fostering young technocrats and entrepreneurs."

Using innovation, creativity and a wealth of knowledge, engineering graduates are impacting the world unlike any other. Maharaja Surajmal Institute of Technology (MSIT) has evolved to reach and hold a unique position of pride in the technical education ecosystem in India in the last two decade. The Institute has been working tirelessly in providing quality technological and scientific education. It has been creating enabling and conducive environment for new & path breaking research and development in frontier areas of engineering, technology and science. Thereby, producing technocrats and entrepreneurs who have proved their mettle in various spheres of life. Our vision is to become one of the most acclaimed & reputed centres of academic & innovation excellence in the field of Engineering & Technology for all-round professional development of students for meeting the growing technological needs of the country.

MSIT has been working in the mission mode in developing new paradigm in imparting innovative education in the fields of Engineering and Technology. Our endeavour has been to imbibe national values leading to student's empowerment, with a view to prepare them to meet the national and global challenges.

Our aim is to achieve global leadership in human development & excellence in education. Our objectives to impart professional education, combined with fostering innovative thinking, application of knowledge, inculcating professional ethics and consciousness to social responsibilities, are being met at MSIT coherently.

With collective, creative and passionate exertion of the faculty, students and staff, MSIT has achieved exceptional success and I am hopeful of its acquiring greater heights in the years to come.

Professor Ajay Kumar Singh
Director, MSIT

I. DEPARTMENTS

COMPUTER SCIENCE & ENGINEERING

MORNING SHIFT

FDP on "Data Science using Python"

A one week online faculty development program was organised on "Data Science using Python" in Oct'20. The expert was Mr. Nitin Shrivastav, 4Achievers, Noida. On the first day, he covered the introduction and installation of Python. On the second day, he covered data structures used in Python. On the third day, He explained 'How to import data-sets' into python and missing value treatment in python. On the fourth day, he discussed some research problems like Social media mining, Predictive analysis, Big Memory, data reduction packages etc. On the last day, he discussed machine learning using python. Overall, it was an informative program and the speaker has discussed the topics very well and entertained every query raised by the faculty.

Webinar on "Machine Learning"

MSIT, Delhi in association with CETPA, Noida presented a Virtual Machine Learning Webinar on 12th Sept'20. The speaker for the session was Mr. Abhinash Mishra, a Machine Learning Expert. The commencement took place with the birth of Machine Learning in the Indian market. The session concluded with a great interactive Q&A round where the intrigued minds of students asked the speaker all the questions under the roof. Hence, in conclusion, it was indeed an extremely fruitful session that took place and its knowledge will forever stay with the students.

STUDENTS' ACHIEVEMENTS

- Sakshi Munjal of 3rd year, got recognized as a Community Leader and got invited to The Grace Hopper Celebration, USA virtually in 2020.
- Himanshu Gullaiya of 4th year, won Smart India Hackathon on 3rd Oct'20.
- Ekansh Gupta, of 3rd year, participated in AusWHO, University of Melbourne and secured Special Mention on 29th-30th Aug'20.
- Rishabh Raizada, of 3rd year, participated in CSI Quizathon and secured second position virtually.

Technical Papers Published:
- Mayank Mani, Sakshi Munjal, D. D. V. Sai Ashish and Sarthak Srivastava of 3rd year wrote a research paper for IEMIS-2020, Technically Sponsored by the SMART SOCIETY, USA and got it published under Springer publication in 2020.
- Tanisha Beri, Tanvi Sobti, Ankit Kumar of 3rd year wrote a research paper for IEMIS-2020, Technically Sponsored by the SMART SOCIETY, USA and got it published under Springer publication in 2020.
- Shubham Pandey, Yatin Kumar, Samarth Srivastava of 3rd year, presented a research paper in the 1st ICCRDA-2020 on 24th Oct'20.

FACULTY ACHIEVEMENTS

Technical Papers Published:
- Mehul Sharma, Shrid Pant, Deepak Kumar Sharma, Koyel Datta Gupta, Vidushi Vashisht, Anshuman Chhabra, "Enabling security for the Industrial Internet of Things using deep learning, blockchain, and coalitions," Transactions on Emerging Telecommunications Technologies, Oct'20.
- Koyel Datta Gupta , Rinky Dwivedi & Deepak Kumar Sharma , "Prediction of Covid-19 trends in Europe using generalized regression neural network optimized by flower pollination algorithm", Journal of Interdisciplinary Mathematics, ISSN: 0972-0502 (Print), ISSN: 2169-012X (Online), pp. 1-19, 2020
- Naresh Kumar and Deepali Gupta, "Border Surveillance Using Face Recognition, Mobile OTP and Email", IIUM Engineering Journal, ISSN: 1511-788X, 143-152, 21(2), 2020.
- Dr Amita Yadav, Book Chapter in Green automation For sustainable environment, Chapter – Green Computing in Wireless sensor networks through Energy Efficient techniques for lifetime improvement , CRC press, Taylor & Francis Group,Sept'20, ISBN 978-100-300-0792
- N. K. Khan, E. Alnatsheh, R. A. Rasheed, **A. Yadav** and Z. Alansari, "A Quantitative Case Study in WSNs: Design and Implementation of Student Smart ID Card," 2020 iCCECE, Southend, United Kingdom, 2020, pp. 27-32.
- Naresh Kumar, Deepak Sharma and Naripendra Narayan Das, "Meta Search Engine using Semantic Similarity and Correlation Coefficient", International Journal of Innovative Technology and Exploring Engineering, ISSN 2278-3075,9(9) Jul'20.
- Naresh Kumar, Jatin Bindra, Rajat Sharma, and Deepali Gupta, "Air Pollution Prediction Using Recurrent Neural Network, Long Short-Term Memory and Hybrid of Convolutional Neural Network and Long Short-Term Memory Models", in Journal of Computational and Theoretical Nanoscience, ISSN: 1546-1963, Vol. 17, pp. 4580–4584, 2020.
- Geetika Dhand and Kavita Sheoran, Protocols SMEER (Secure Multitier Energy Efficient Routing Protocol) and SCOR (Secure Elliptic curve based Chaotic key Galois Cryptography on Opportunistic Routing),Materials Today: Proceedings, 2020.
- Geetika Dhand and Kavita Sheoran," Ad-Hoc on Android using Wi-Fi Direct", International Journal of Engineering and Advanced Technology ,9(6),41-44, Aug'20.
- SapnaMalik and Kiran Khatter. "Malicious application detection and classification system for android mobiles." Cognitive Analytics: Concepts, Methodologies, Tools, and Applications. IGI Global, 2020. 122-142.

Webinar on "IOT"

The webinar was conducted by Mrs. Aayushi Purohit, on 1st Dec'20, about the emerging technology called Internet of Things, or the IoT. It shed light on the importance of this technology in our day to day life and how almost all devices around us use IoT these days. In conclusion the webinar highlighted the various sectors that contain job opportunities in IoT like Sensors and how we can attain industry training to get make use of these opportunities.

Webinar on "Career Avenues through education abroad in post covid-19 scenario"

Jamboree conducted a seminar on GRE and GMAT for various countries where students can go abroad to study for the student of MSIT, on 10th Sept'20. They explained the pros and cons of each county and what all was required to study there. He explained the importance of the papers and how to crack these exams. They explained the importance of time management and verbal skills required.

EVENING SHIFT

FACULTY ACHIEVEMENTS

Technical Papers Published:
- Prof. Poonam Bansal published a paper on "Experimental analogy of different texture feature extraction techniques in image retrieval systems" in Multimedia Tools and Applications, Springer (SCIE), Jul'20.
- Prof. Poonam Bansal published a paper on "Employing Divergent Machine Learning Classifiers to Upgrade the Preciseness of Image Retrieval Systems" in Cybernetics and Information Technologies, Sept'20.
- Ms. Nishtha Jatana published a paper on An improved crow search algorithm for test data generation using search-based mutation testing: in Neural Processing Letters(SCIE Indexed), 52(1), 767-784, Aug'20."
- Ms. Nishtha Jatana published a paper on "Evaluation of Bernstein Polynomial as a Machine Learning technique" in ICCCRDA 2020, Sept'20.
- Ms. Gunjan published a paper on " Comparative Study of Different Similarity Functions in Collaborative Filtering" in the International Journal of Engineering Development and Research, Oct'20.
- Ms. Neeti Sangwan published a paper on "Video Popularity Prediction using Fuzzy Inference System" in Journal of Statistics and Management Systems, vol. 23 (7), pp. 1173-1185, 2020.
- Ms. Poonam Dhankhar published a paper on "ARDUINO BASED VEHICLE NUMBER PLATE RECOGNITION SYSTEM" in International Journal of Innovations in Engineering and Technology , vol. 18 (1), pp 14-18. ISSN: 2319-1058, Dec'20.

STUDENTS' ACHIEVEMENTS

- Mohak Chugh, of 4th year, got placed in Amazon with a package of 28 lakh per annum.
- Sahil Wasan, of 4th year, got placed in Amazon with a package of 19 lakh per annum.
- Mohak Chugh, of 4th year, won 3rd prize for best mentor in girlscript Ireland, Aug'20.
- Pragya Mittal, of 2nd year, won 4th prize in HackYuva, in Oct'20.
- Prateek Gupta, of 2nd year, won 2nd prize in HumTumWithElanNVision, in Dec'20.
- Vanya Arora, of 2nd year won 2nd prize in HackWie, in Nov'20.
- Shubhashish Purohit won 2nd position in Mashup competition, in Sept'20.

INFORMATION TECHNOLOGY

MORNING SHIFT

An Expert Lecture on "Knowledge Representation with Ontology"

An online expert lecture was organised for the students and the faculty members on "Knowledge representation with Ontology", on 22nd Oct'20. The guest speaker was Dr Archana Patel, from Germany, who enlightened everyone with her vast knowledge on the subject.

Webinar on "Career Prospective Available after B. Tech in India and Abroad"

A webinar was organised for the students on the very important subject, on 5th Nov'20. The speaker for the same was Ms Ananya Mukherjee, who shed light on the available career paths for the students after graduation. The event was much needed for the students.

STUDENTS' ACHIEVEMENTS

- Tanay Aggarwal and two IIT-Delhi students, worked with Dr Abhinav Singh Verma from AIIMS, to develop a plasma bank for speedy recovery of Covid-19 patients, in Jul' 20.
- Manya Kalra secured 3rd position, and Abheet Arora secured 17th rank, in coding competitions conducted by Coding Ninjas, in Aug'20.
- Ekta Dua got 3rd position in AIPPM, Cetera MUN, Oman, in Aug'20.
- Kaushalendra Aggarwal got 5 star in problem solving in HackerRank, in Jul'20.
- Jagrit Bhagat got 5 stars in python in HackerRank, in Dec'20.
- Preeti Bidhan got NASDAQ Internship Offer, in Jul'20.

Faculty Development Programme on "Data Science"

A 5-day FDP was organised for the faculty members of MSIT, from 28Th Dec'20 to 1st Jan'20. It was organised with the help of 4Achievers Pvt. Ltd., Noida. It gave the teachers a brief introduction of Data Science and its Applications.

EVENING SHIFT

A Webinar on "How to do well in GD/PI"

An Online webinar was organized for the students of IT, on 12th Nov'20. It was conducted by Mr. Sunil Dua, Senior Regional Head in T.I.M.E. Education

by Times. The session was very enlightening and entertaining as well.

A Workshop on "Data structure and algorithm"

An online 5 day workshop was organized for the students of 3rd and 4th year, on 7th-12th Dec'20. Mr Sumeet Malik, from Pepcoding, was the guide for the workshop. The whole event was conducted while keeping the placements in mind, so the students could be well prepared and confident.

ELECTRONICS & COMMUNICATION ENGINEERING

MORNING SHIFT

Webinar on "Python + Machine Learning"

A live webinar was organised on 18th Sept'20. The lecture was highly educational and interesting and was delivered by highly accomplished expert Mr Nitin Shrivastva, in association with 4 Achievers, Noida. This session introduced the basics of Python language, application of Python in Machine Learning, and various machine learning application-based projects to ECE students.

Webinar on "Career Options and Opportunities for Electronics Graduates"

A live webinar, on "Career Options and Opportunities for Electronics Graduates", was organized, on 25th Sept'20. Mr Renjith CV, an Electrical Architect- Medical imaging at Philips Healthcare was the speaker. The key points of the lecture were opportunities in the core Electronics field, Product Development and Industry, opportunities after engineering, enhancement of skill sets and, the short term/online training in Embedded System, DSP, VLSI, AI/IoT etc.

Webinar on "Embedded System: Robotics and IoT"

A webinar was organized on "Embedded System", on 3rd Oct'20. The lecture was highly technical,

educative and interesting. The webinar was conducted in collaboration with BLD Institute of Research. This session introduced a complete journey from understanding to working with Embedded Systems.

FACULTY ACHIEVEMENTS

Technical Papers Published:

- Archana Balyan, "Classifying Breast Cancer Based on Machine Learning", In: Proceedings of International Conference on Artificial Intelligence and Applications. Advances in Intelligent Systems and Computing, Springer, 2020.
- Chaudhary, Parul, and Puneet Azad. "Energy Harvesting Using Shoe Embedded with Piezoelectric Material." Journal of Electronic Materials 49.11 (2020): 6455-6464.
- Yadav, Deepshikha, Puneet Azad, and Rahul Vaish. "Solar Energy Harvesting using Candle-Soot-Coated Thermoelectric Materials." Global Challenges (2020): 1900080.
- Meena Rao, "Impact of Routing Protocols and Artificial Intelligence Techniques on adhoc networks in critical scenario", SCOPUS, SPRINGER LINk, 2020.
- Rathee, Neeru, Dinesh Ganotra, and Ajay Rathee. "Facial Action Unit Intensity Detection by Extracting Complimentary Information using Distance Metric Learning", IETE Journal of Research 66.2 (2020): 214-223.
- Gupta, Richa, Garima Bakshi, and Aakash Bansal. "Dual-Band Circularly Polarized Stacked Sapphire and TMM13i Rectangular DRA." Progress In Electromagnetics Research 91 (2020): 143-153.
- Yaduvanshi, Rajveer S., Richa Gupta, and Saurabh Katiyar. "Smart DRA for beam width and orientation control." Frequenz 1.ahead-of-print (2020).
- Deshwal, Deepti, Pardeep Sangwan, and Divya Kumar. "A Language Identification System using Hybrid Features and Back-Propagation Neural Network." Applied Acoustics 164 (2020): 107289.
- Deshwal, Deepti, Sangwan, Pardeep. "Isolated word language identification system with hybrid features from a deep belief network." IJCS (2020): e4418.
- Aman Dahiya, "Design Fundamentals: Iris Waveguide Filters vs. Substrate Integrated Waveguide (SIW) Bandpass Filters", International conference on Artificial Intelligance and applications, SCOPUS, 2020.
- Anshul Pareek, "A Robust Surf-Based Online Human Tracking Algorithm Using Adaptive Object Model", ICAIA (21945357), 2020.
- Preeti Sehrawat, "Review On Vehicular Communication Using Vehicular Networks", National conference on Medical Instrumentation, Biomaterials and signal processing, 2020
- Sharma, Sapna, Robinson Devasia, and Geetanjali Sharma. "A Ovel Low Power And Highly Efficient Inverter Design." International Journal of Information Technology 12.4 (2020): 1111-1116.

EVENING SHIFT

Seminar on "Digital Hardware Design using Digital Components, HDL & its Implementation on FPGAs"

The seminar was conducted from 21st -24th Oct'20, in association with PinE Training Academy. The guest speaker for the event was Mr Vaibhav Mishra, an expert in the subject. His knowledge astonished and certainly helped the students a lot.

STUDENTS' ACHIEVEMENTS

- Anshuman Padhi, of 3rd year, Vimal Kumar Tripathi of 2nd year, Tavneet Singh of 2nd year and Yatan Srivastava 2nd year, won 1st prize in Smart India Hackathon 2020, held from 1st – 3rd Aug'20.

FACULTY ACHIEVEMENTS

Technical Papers Published:

- Pardeep Sangwan, Deepti Deshwal, Naveen Dahiya, 2020. "Performance of a Language Identification System using hybrid features and ANN learning algorithms". Applied Acoustics, Elsevier.
- Deepti Deshwal, Pardeep Sangwan and Divya Kumar, 2020. "A Structured Approach towards Robust Database Collection for Language Identification" In Proceedings of 21st IEEE International Arab Conference of Information Technology, Egypt, Nov 28-30, 2020.
- Deepti Deshwal, Pardeep Sangwan, 2020. "A Comprehensive study of Deep Neural Networks for Unsupervised Deep Learning". Artificial Intelligence for Sustainable Development: Theory, Practice and Future Applications, Springer.
- Deepti Deshwal, Pardeep Sangwan and Divya Kumar, Language Identification Performance Evaluation Using Spectral Processing (Nov'20). Proceedings of the 2nd International Conference on IoT, Social, Mobile, Analytics & Cloud in Computational Vision & Bio-Engineering.
- Ravi Choudhary, J.N.Rai and Yogendra Arya, "Impact of energy storage device on the performance of AGC using ALO tuned PID controller", International Conference on Artificial Intelligence and Speech Technology , Nov'20.
- Parul Chaudhary and Puneet Azad, "Energy Harvesting Using Shoe Embedded with Piezoelectric Material", Journal of Electronic Materials ,vol.49(11) ,6455-6464, 2020.
- Swati Malik and Anupama A Deshpande, "PTS PAPR Reduction with Optimized Side Information Using MIMO-OFDM", Journal of Advanced Research in Dynamical and Control Systems, Vol.12, No.7, pp. 325-336, 2020.
- Swati Malik and Anupama A Deshpande, "An Investigation of Partial Transmit Sequence Peak to Average Power Ratio Reduction with Optimized Side Information Using MIMO-OFDM", Journal of Critical Reviews, Vol.7, pp. 3393-3404, 2020.
- Monu Malik, Aman Singh, Nitin Sagnik, "Alcohal Detection and Vehicle Controlling", Journal of Advances in Communication Engineering and its Innovation, vol 4, 2, 2020.

ELECTRICAL & ELECTRONICS ENGINEERING

STUDENTS' ACHIEVEMENTS

- Kirthik Vasan and Lalit Ahuja, of 4th year, participated in TinkerHack hardware hackathon, in 2020, held at IIT-Delhi, New Delhi and won the State 3rd prize.
- Kirthik Vasan and Lalit Ahuja, of 4th year, participated in robottle challenge at TRYST IIT-Delhi, in 2020, held at IIT-Delhi, New Delhi and won the National 1st prize.
- Kirthik Vasan and Lalit Ahuja, of 4th year, participated in ESCALADE 7.0 by IIT-Guwahati, in 2020, held at IIT-Delhi, New Delhi and won the State 4th prize.
- Anurag, Sachin, Arman, Chiranjeev, Gagandeep of 2016-2020 batch appeared in GATE-2020, at national level and cleared it.
- Ashar Mahmoodi, student of EEE of batch 2015-2019, appeared in Indian Airforce and cleared it.
- Pranav Vats, Harsh Vaish, Ayush Nishad, Bhanu Nautiyal of 2015-2019 batch appeared in GATE-2019, at National level and cleared it.
- Saurabh Kumar, student of EEE Vth semester, and his team participated in Inter-College BasketBall Championship under GGSIPU, on 12 th Oct, 2019, held at IPU Campus, Dwarka, New Delhi and won 2nd Prize.
- Aakriti Kaul, student of EEE of batch 2015-2019, appeared for higher studies and got admission in MS(Masters in Business Analytics), University of New South Wales, Sydney.

FACULTY ACHIEVEMENTS

- Dr. Yogendra Arya, Assistant Professor, EEE Department Ranked Among the Top 2% Researchers in the World (Field: Energy, Global Rank: 709) by the Stanford University, United States.

Technical Papers Published:
- N. Hakimuddin, I. Nasiruddin, T. S. Bhatti, and Y. Arya, "Optimal automatic generation control with hydro, thermal, gas and wind power plants in 2-area interconnected power system," Electric Power Components and Systems, vol. 48, no. 6-7, pp. 558–571, Sept'20, (Taylor & Francis).
- G. Sharma, A. Panwar, Y. Arya, and M. Kumavat, "Integrating layered recurrent ANN with robust control strategy for diverse operating conditions of AGC of the power system," IET Generation, Transmission & Distribution, vol. 14, no. 18, pp. 3886–3895, Sept'20.
- Y. Arya, "Effect of electric vehicles on load frequency control in interconnected thermal and hydrothermal power systems utilising CF-FOIDF controller," IET Generation Transmission & Distribution, vol. 14, no. 14, pp. 2666–2675, July 2020.

APPLIED SCIENCES

MORNING SHIFT

FACULTY ACHIEVEMENTS

Technical Papers Published:
- Man Sing Beniwal, "Approximation between modified Baskakov and Srivastava-Gupta operators", Publications de l'institut Mathématique Journal, 2020.
- Sheela Malik, "Phase transition and optical properties of samarium-doped BiFeO3 nanoparticles ", Journal of Materials Science: Materials in Electronics (springer), Sept. 2020.
- Rakesh Kumar & Mr. Surender, "Effects of Backbone Functionalization on Electrical and Shielding Behaviour of Conducting Polyaniline Composites", National Conference on Recent Advances in Functional Materials, 2020.

EVENING SHIFT

FACULTY ACHIEVEMENTS

- Dr Gitanjali wrote a book on "Mathematics for Natural Sciences", published by International Artz Books, 2020, ISBN: 978-93-89441-21-5.

Technical Papers Published:
- Sobinder Singh, "In Depth Physico- differential Description of Viral Streamline Flow of Hepatitis B with Special Reference to Jacobian Matrix in the Null Space", Satyam Journal, vol. 8, pp. 47-51, 2020 ISSN: 2319-7897.
- Rekha Tripathi, "Antimicrobial Studies of Different Extracts of Holoptelia Integrifolia(ROXB.) Leaves", Asian J Pharm Clin Res, vol.13(10),91-93, 2020.
- Anju, "Polypyrrole/Zinc Oxide Nanocomposites in supercapacitors", Satyam Journal vol. 8, pp. 5-7, 2020 ISSN: 2319-7897.
- Sweety Kadyan, M.S. Barak and Gitanjali, "Stochastic Analysis of a Non-Identical Repairable System of Three Units with Priority for Operation and Simultaneous Working of Cold Standby Units", International Journal of Statistics and Reliability Engineering vol. 7(2), pp. 269-274, 2020; ISSN: 2350-0174.
- Swati Chaudhary, "Exploring potential of i-motif DNA formed in the promoter region of GRIN1 gene for nanotechnological applications", Citation- Results in Chemistry 2 (2020) 100086.
- Reenu Kumari, "Some DEA based methods for measuring the efficiency of decision making units with negative and positive input output", International Research journal of Engineering and technology, vol. 7 issue -2020.
- Rashmi Gupta, "Narrative Disability in Literature: A study with Mahesh Duttani's play 'Tara'", 6th JGU International Literary Conference on "Theory-Literature Interface organized by The English Literary Society, O.P. Jindal Global University, Haryana from 24-26 Jul'20.

II. COLLEGE SOCIETIES

IEEE

> ### ACHIEVEMENTS
>
> **Faculty:**
> - Dr. Jyoti Jain, EEE department received the award for 'Outstanding Engineer Award' in IEEE Power and Energy Society chapter for years of dedicated volunteer service to the Chapter and advising student branch PES chapter for quality of work and activities.
>
> **Students:**
> - Rakshit Satija, of Team Brainiacs 101, was awarded as the winner of 'Smart India Hackathon 2020' in software edition which took place from 1st – 3rd Aug'20.
> - IEEE MSIT won the "Best Student Branch Video Presentation" award in IEEE Region 10 Students Young Professionals Women in Engineering Life Members Virtual Congress 2020, presented by IEEE India Council and IEEE Delhi Section, in collaboration with Chitkara University. The event held between 19th Sept'20 – 4th Oct'20.
> - Certificate of Recognition was awarded to IEEE Student Branch of MSIT, in recognition for the contribution as a Student Branch Partner in IEEE Region 10 Students Young Professionals Women in Engineering Life Members Virtual Congress 2020 which took place from 19th Sept'20 to 4th Oct'20.
> - Certificate of Appreciation is certified to J Ashwin Nair in recognition for the valuable contribution as lead volunteer of IEEE Student Branch – MSIT, towards the student branch partnership program of IEEE Region 10 Students Young Professionals Women in Engineering Life Members Virtual Congress 2020, held between 19th Sept'20 – 4th Oct'20.
> - Certificate of Appreciation was awarded to Prerna Sehrawat for her sincere and appreciable efforts towards the achievement and success at IEEE R10 SYWL Congress 2020 on behalf of IEEE Delhi Section and IEEE MSIT Student Branch.
> - IEEE Region 10 SYWL Congress 2020 Organizing Committee proudly presented the token of appreciation to IEEE Delhi Section – IEEE MSIT for being the winner of Cultural Contest.
> - Rakshit Satija was awarded the Certificate of Acknowledgement for his excellent contribution as Campus Ambassador for IEEE Rajasthan Subsection Congress 2020.

E-CELL

The Talkshow "Talk-e-Tive"
In the month of June-July 2020, E-Cell MSIT started a creative talk show named, Talk(e)Tive, which focused on the encouragement and spreading awareness towards the leadership and entrepreneurship of the most activist amongst the generation. In the show, various entrepreneurs from around the world were collaborated as speakers and invited on the show, which was moderated by the E-Cell Team. It consisted of 8 episodes, which were recorded and posted later on our social media handles.

A Webinar on "Leverage your idea to form a Start-up"
E-Cell MSIT organised a webinar, on 1st Aug'20, that focused on "Leveraging ideas to form a Start-Up" for students from various colleges. Mr. Saurabh Trivedi, co-founder and director of Boudhik Ventures, an entrepreneur, business consultant, investor and property enthusiast took the amazing session giving an opportunity to revamp start-up ideas and instil practical approach in entrepreneurial journey.

Internship Counselling
E-cell MSIT collaborated with YOUNITY and organized another webinar that focused on "Internship Opportunities in 7 profiles" which crossed over 115 attendees, on 6th Sept'20. The session gave an opportunity to learn the importance of internships. It helped students open immense ideas in their minds considering their future goals.

All the doubts were covered and explained in the best possible way.

Mind Mantras Workshop
E-Cell MSIT collaborated with Art of Living and organized a Mind Mantras workshop guide to a happier and successful life, on 20th Nov'20. Our honourable speaker, Garima Vijay, explained the key difference between domain skills and soft skills. She brought to light a key issue, of how we often overlook our relationships with others and ourselves in pursuit of technical knowledge. The three C's, "concentration, clarity and confidence" were the major takeaways.

Wrap-It-Up 2020 and E-Week 2020
E-Cell MSIR hosted Wrap-It-Up 2020 and E-week, two events jam-packed with fun and knowledgeable activities for example meme-o-fair, Bussinest, vocal for local, guesstimate etc. Various prizes worth Rs. 2500 were given to the winners of the competitions and this was how the year 2020 was ended, on a perfect note.

INNNOVATION CELL

Webinar Series
The innovation cell conducted a webinar series on various topics, on 25th Jul'20. The topics included "Developing as Innovator in Campus", "Start-ups", "Plagiarism" and "Incubation". The main objective of the series was to develop entrepreneurship skills within the students, and instil more creative thinking abilities in them.

UNNAT BHARAT ABHIYAN

Technology and COVID-19
Analysing the need of the hour, the students of the UBA society developed an application, as well as a website for COVID-19.

PLACEMENT CELL

Key Placement Pointers, for the batch 2017-2021
- 607 Job offers have been made until now, with some students having more than one job offer.
- 2 students have been placed in Goldman Sachs, at a package of 23 LPA.
- 1 student has been placed in Google, with the highest package till date, breaking all records in the campus. The offered package is 55 LPA.
- 1 student has been placed in Microsoft, with a package of 42 LPA.
- 6 students are placed in Amazon, at a package of 19 LPA.
- 10 students are selected as Amazon interns, with a stipend of 60K per month, leading to a PPO of 30 LPA.
- 4 students have been placed in ION, at a package of 12 LPA.
- 1 student is placed in Nasdaq, at a package of 13.44 LPA.
- 20 students have been placed in ZS, at a package of 10 LPA and above.
- 17 students are placed in IHS Markit, at a package of 6.5 LPA.
- 3 students are placed in JARO, at a package of 8.48 LPA.
- 161 students have been placed in Infosys till now, with varying packages and profiles, through the regular campus drive, as well as HackwithInfy and InfyTQ Certification programs. More will follow, results of few students from Infosys interviews are still awaited.
- 121 students are placed in TCS till now, with varying profiles and packages.
- 132 students have been selected through Cognizant drive till now, for various profiles, offering varying packages.
- 50 students with varying proiles and packages have been selected by Accenture.
- Altran-Capgemini and Wipro campus drive hiring are underway.
- 3 students from Batch 2022 have been shortlisted for Adobe internship hiring process for Summer 2021. Their interviews are to be held shortly.