

VISION 2020



Striving for Excellence

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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.

MAHARAJA SURAJMAL

THE VISIONARY (1707 - 1763)



The year 1707, gave to the peasantry of North India a son, like the sun rise on the horizon, in the house of a well Chief, Raja Badan Singh of erstwhile kingdom of Bharatpur. Badan Singh and his young son Surajmal through unity and integrity brought strength to the kingdom.

Maharaja Surajmal had the same reverence for all the religions. He believed that humanity is the only religion of man. He visualized "India as one nation" and devoted his life in forging national integration. Maharaja Surajmal nurtured intellectual vigour that reflects a fusion of our heritage and contemporary insights. Maharaja Surajmal considered farmers as the most of important section of the society and had a lot of respect for them. He personally identified the problems of the farmers and introduced reforms to rectify them.

He expanded his kingdom from Bharatpur to include Agra, and Aligarh, Ballabgarh, Hodal, Bulandshahar, Dholpur, Etah, Hathras, Meerut, Mathura, Rohtak, Gurgaon, Farukh Nagar, Mewar and Rewari. Through out his life, he kept on fighting against social injustice, racial discrimination. superstitions and factilious groups and sacrificed his life on 25th Dec. 1763 in Shahdara, Delhi.

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Message from the Vice Chancellor

The annual magazine of Maharaja Surajmal Institute of Technology is the culmination of the hard work that has been put in by the students, faculty and staff of the institute over the past one year. As an affiliated institute of Guru Govind Singh Indraprastha University, MSIT continues its journey towards academic excellence.



This Annual Magazine- Vision 2020 is the amalgamation of all college activities. Academia, culture and creativity come together in the many pages that reflect the richness of student life.

As the college embodies its vision in its activities, I am sure that the students, faculty and staff shall benefit greatly from this platform of sharing.

I congratulate the Editorial team, the Management, the Director, faculty and student on the release of this magazine, and wish you all another year of success.

Prof. (Dr.) Mahesh Verma
Vice Chancellor
Guru Gobind Singh Indraprastha University



**SURAJMAL MEMORIAL
EDUCATION SOCIETY (Regd.)
C-4, Janak Puri, New Delhi - 110058
Phone: 25552667, 25528117 Fax: +91-11-25528116**

Message from the Chairman

In January 2020, no one would have imagined the way a pandemic (Covid-19) would have changed life completely within the time span of a few months. The current times have taught us important of resilience, courage, preparedness, adaptability, and innovativeness.



Fortunately, at Maharaja Surajmal Institute of Technology, we have never been unaware of the significance of these values. Rather, we have always strived to nurture, and positively shape the young minds to be alert, adaptive, and innovative while empowering them with the world class technical education.

Engineers play a key role in supporting the growth and development of a country's economy as well as in improving the quality of life of its citizens. Maharaja Surajmal Institute of Technology aims to keep producing bright and dynamic engineers who can contribute to the growth of their community and nation.

The Institute has adapted well to the crisis of Covid-19. The quality content of online teaching, timely preparation of results, seamless administrative works, Online workshops and FDPs are proof that we are geared up to welcome batch of new students and offer best support and education amid the present challenges.

I wish all the best to the editorial team for bringing out the 2020 issue of the college magazine.

Chairman

Surajmal Memorial Education Society



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C-4, Janak Puri, New Delhi - 110058
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Message from the Secretary



We are in the midst of an unprecedented health crisis of Covid-19 which has affected the entire country and the world. As an educational Institute we are confident and prepared to bounce back with our single-minded goal to offer the best of technical education in a learning environment conducive also for inculcating life skills among the learners.

MSIT has proactively utilized digitization to resume its pedagogical activities and refurbished infrastructure for online teaching to adapt to the requirement of our students, if necessary.

I firmly believe that the entire MSIT fraternity, students, teachers, and staffs will come out of the crisis stronger and more determined.

I congratulate the editorial team of Vision 2020 for the timely publication of the college magazine despite the obstacles of the changed work conditions due to the pandemic.

Shri Ajit Singh Chaudhary
Secretary
Surajmal Memorial Education Society



**SURAJMAL MEMORIAL
EDUCATION SOCIETY (Regd.)
C-4, Janak Puri, New Delhi - 110058**

Message from the Treasurer



Maharaja Surajmal Institute of Technology has always been at the helm of educating, nurturing, and positively shaping the young minds of students and it is dedicated towards imparting high-quality, value-based technical education. It empowers its students with the requisite skills to excel and confront challenges in the future.

The college magazine Vision plays an important role as a platform to showcase creativity, literary acumen, hobbies, and talents of the students, thus, playing a key role in supporting the growth of their expressiveness and personality.

My best wishes to the editorial team for successful compilation and publication of the magazine Vision 2020

Shri Rajpal Singh Solanki
Treasurer
Surajmal Memorial Education Society



**MAHARAJA SURAJMAL
INSTITUTE OF TECHNOLOGY
C-4, Janak Puri, New Delhi - 110058**

Message from the Director



Dear Students,

Maharaja Surajmal Institute of Technology is an institute dedicated to the proper growth and development of each and every student for a better career prospect. Our students have successfully established themselves in all sectors, private and government, to serve the country in various capacities. The infrastructure has been developed with most modern equipment and provisions have also been made to upgrade the same keeping pace with the demands of industry and society.

MSIT has acquired an enviable record of accomplishments in a short span of time. It has time and again established itself as a center of excellence for undergraduate Engineering students by consistently producing University toppers since its first graduating batch of 2005. We have best of infrastructure and with most modern equipments.

At MSIT, we strive to help students to not only excel in academics, but also in sports and other extra-curricular activities. The foundational pillars of discipline and hard work are among the key attributes that we build in our budding engineers. Hundred percent placement of our students, year after year, is the best testimony that we have been successful in our efforts.

We invite the right-minded students having zeal and enthusiasm to join us in our endeavor to create a better tomorrow. Your success is our achievement, and this achievement cannot be accomplished without your cooperation.

**Dr. K. P. Chaudhary
Director**

Maharaja Surajmal Institute of Technology



**SURAJMAL MEMORIAL
EDUCATION SOCIETY (Regd.)
C-4, Janak Puri, New Delhi - 110058**

Message from the Director, Placements



Another issue of VISION-the very thought in the current unprecedented, unique & critically delicate period we are transiting through may bring in a creepy feeling on the outset. However, this also can bring in a most challenging & spirited feel that we have done things in adversity in the past, so can do it well irrespective of whatever happens around currently. So, with the go-on, going-on spirit of theirs, well supported by the able guidance and mentorship of the livewire convenor, the editorial team will be able to bring out another interesting & meaningful issue managing the multi-faceted contributions from students & faculty alike. These may be technology- based, fiction, spiritual, literature or related to various other campus activities-academic or co- curricular/extracurricular.

I herewith take the opportunity to convey my best wishes for the success of VISION-2020. It may require much more online efforts now than the usual combination of on/ offline efforts in the past in view of the overwhelming telling effects & constraints due to pandemic but our dedicated team surely will be able to pull off a coup to bring out another wonderful issue for the holistic delight of everyone using all their organizing & time-management skills.

So with best wishes for healthy writing, healthy reading and safe & healthy life.

**Prof A. Oberoi
Director Placements, SMES**

Editorial



The picture above can be interpreted in many ways. One of the meanings it seems to depict is that progress lies in a collaborative spirit. The current issue of Vision testifies to this message. Despite the editing process of the magazine was hit due to Covid-19 mayhem, we could successfully pull it off. I thank all the team members for their help, and student editor; Anubhav Jedia, for ensuring a solid finish to the magazine.

Vision 2020 maps how MSIT gained ground in a tough year. Needless to say, the progression of MSIT constitutes many; little, big, creative, dynamic, and intellectual forward leaps taken by hundreds of its students.

Dr. Jindagi Kumari

Surajmal Memorial Education Society

Surajmal Memorial Education Society was found to perpetuate the memory of Maharaja Surajmal, a great patriot, warrior and enlightened ruler of Bharatpur during the eighteenth century. The Society was registered on 13th November, 1972 under Society's Registration Act 1860. The main aim of the society is to disseminate quality education in all fields, specially in technical and professional areas for the benefit of the people, particularly those residing in rural areas of India.

To achieve these objectives, Surajmal Memorial Education Society has established Maharaja Surajmal Institute of Technology in Janakpuri, New Delhi. The Society runs the Institute on "no profit no loss" basis.

The Society is made up of eminent academicians, professionals, technocrats, officers and leaders. There are more than 7500 members of the Society from all over the country, but the majority of the members are from Delhi, U.P., Haryana and Rajasthan.

COMPOSITION OF EXECUTIVE COMMITTEE

No.	Name	Designation
1.	Shri Kaptan Singh	President
2.	Smt. Esha Jakhar	Vice President
3.	Sh. Ajit Singh Chaudhary	Secretary
4.	Sh. Rajpal Singh Solanki	Treasurer
5.	Sh. Raghubir Singh Rana	Joint Secretary
6.	Sh. Virendra Choudhary	Joint Secretary
7.	Sh. Prem Pratap Singh	Member
8.	Sh. Prem Singh Shokeen	Member
9.	Dr. Udai Veer Singh	Member
10.	Sh. Brahm Pal Singh	Member
11.	Sh. Y.P.S. Verma	Member
12.	Sh. S.S. Solanki	Member
13.	Sh. Ajit Singh	Member
14.	Sh. Ajay Vir Jakhar	Member
15.	Dr. Kuldeep Singh Khokhar	Member
16.	Sh. Mahender Singh Thakran	Member
17.	Sh. Krishanvir Singh Dhaka	Member
18.	Sh. Arvind Pal Dahiya	Member
19.	Sh. B.D. Dabas	Member
20.	Sh. Ram Chander Dalal	Member
21.	Dr. S.S. Rana Permanent	Invitee
22.	Sh. Surinder Singh Tomar	Permanent Invitee
23.	Sh. J.S. Dalal Permanent	Invitee
24.	Sh. Ramesh Chaudhary	Permanent Invitee
25.	Sh. Shyam Singh	Permanent Invitee

Chairman of Sub-Committees of SMES

No.	Name of the Committee	Chairman
1.	Finance Committee	Sh. B.D. Dabas
2.	Academic Committee	Dr. S.S. Rana
3.	Bahadurgarh Project, Const. Committee	Sh. Ram Chander Dalal
4.	Maintenance Committee	Sh. Prem Singh Shokeen
5.	Function Committee	Sh. Ramesh Chaudhary
6.	Construction Committee, Janakpuri Site	Sh. Surinder Singh Tomar
7.	Disciplinary & Legal Affairs	Sh. J.S. Dalal
8.	Establishment Committee	Sh. S.S. Solanki
9.	Purchase Committee	Sh. Shyam Singh
10.	SMC-MKDGS, Bikaner	Shri Raghuvendra Mirdha
11.	Constitution of Rural Education Research & Development Cell (R & D Cell)	Sh. Kaptan Singh

— MAHARAJA SURAJMAL INSTITUTE OF TECHNOLOGY (MSIT) —

(Approved by A.I.C.T.E., Ministry of HRD, Govt. of India)

Affiliated to Guru Gobind Singh Indraprastha University)

Courses Offered - First Shift	Duration	Intake
B. Tech (Electronics & Communication Engineering)	4 years	120
B. Tech (Computer Science & Engineering)	4 years	180
B. Tech (Information Technology)	4 years	120
B. Tech (Electrical and Electronics Engineering)	4 years	60

Courses Offered - Second Shift	Duration	Intake
B. Tech (Computer Science & Engineering)	4 years	60
B. Tech (Information Technology)	4 years	60
B. Tech (Electronics & Communication Engineering)	4 years	60

— MAHARAJA SURAJMAL INSTITUTE (MSI) —

(Affiliated to Guru Gobind Singh Indraprastha University)

Courses Offered - First Shift	Duration	Intake
Bachelor of Computer Application	3 years	120
Bachelor of Business Administration (General)	3 years	180
Bachelor of Business Administration (Travel & Tourism)	3 years	60
Bachelor of Education	1 year	100
Elementary Teaching Education	2 years	50
Bachelor of Business Administration (Banking & Insurance)	3 years	60
Bachelor of Commerce	3 years	60

Courses Offered - Second Shift	Duration	Intake
Bachelor of Computer Application	3 years	60
Bachelor of Business Administration (General)	3 years	120
Bachelor of Business Administration (Banking & Insurance)	3 years	60

Research and Publication Centre

The Research and Publication Centre is devoted to selecting, analysing and publishing research material in the hitherto neglected areas of history, culture and sociology of the present communities with special reference to Northern India. More than dozen publications have been brought out. In addition, Seminars, Conferences and Workshops are periodically organized and research done on projects spelt out by the centre.

Talent Development Camp

Programme of talent development camp started in year 1999. It includes a three week intensive education camp for students of 11th and 12th class from the rural areas who have scored more than 60% marks in the previous examinations. The society bears all the expenses on boarding and lodging of the students for whole duration of the camp. The 16th camp was organised at MSIT in June 2014.

Suraj Sujan

The working committee of Surajmal Memorial Education Society had taken decision to launch a news bulletin in March 1975 in order to publicize the activities as well as the aims and objectives of this society amongst the people of the community.

The title of this magazine was decided to be 'Suraj Sujan'. The first edition of Suraj Sujan was published on 25th Oct. 1975. Initially it was published fortnightly but at present it is published monthly.

Social Responsibilities of SMES

Although education imparting in itself is a great job towards nation building, uplifting & empowering society, yet scope for some more always exists which could be helping community people somehow or addressing some ongoing social issue or being part of some world over mission on humanity etc. Surajmal Memorial Education Society is always keen to serve society and regularly executes activities like organizing blood donation camps, sensitization on environment protection through college environment clubs etc. SMES is putting enormous efforts on Women Empowerment. We also collaborate with NGO's serving in specific areas to cover diverse social issues. We do motivate our students to be part of our programs towards social responsibilities.

MAHARAJA SURAJMAL INSTITUTE OF TECHNOLOGY

To emulate and cherish the great qualities of Maharaja Surajmal, the 'Surajmal Memorial Education Society' was found in 1972 at Janakpuri, New Delhi with the aim to impart quality education in urban as well as rural areas to all those who aspire to be future leaders in their chosen fields. Academic programmes were started with introduction of Certificate & Diploma courses in various technical streams in 1982. The 'Maharaja Surajmal Institute of Technology' was established in 2001 with the approval of AICTE and affiliated to the Guru Gobind Singh Indraprastha University in Delhi for conducting various four-year degree level engineering courses with the first academic session beginning in 2001-02. It is an ISO: 9001:2015 certified Institute and is globally recognized by

Governing Body of MSIT

Chairman Shri Kaptan Singh

1. Dr. Udai Veer Singh	Nominee of the Surajmal Memorial Education Society
2. Smt. Esha Jakhar	Nominee of the Surajmal Memorial Education Society
3. Sh. B.D. Dabas	Nominee of the Surajmal Memorial Education Society
4. Sh. Ajit Singh Chaudhary	Nominee of the Surajmal Memorial Education Society
5. Sh. Rajpal Singh Solanki	Nominee of the Surajmal Memorial Education Society
6. Sh. Shyam Singh	Nominee of the Surajmal Memorial Education Society
7. Prof. Prem Vrat	Nominee of the Surajmal Memorial Education Society
8. Capt. Rudrasen Sindhu	Representative of Industry
9. Sh Sanjeev Kumar	Nominee of the Surajmal Memorial Education Society
10. Sh. Subhash Chaudhary	Representative of Industry
11. Dr. Poonam Bansal	Teacher's Representative
12. Dr. Ajay Gahlot	Teacher's Representative
13. Dr. Neeru Rathi	Teacher's Representative
14. Dr. Pardeep Sangwan	Teacher's Representative
15. Prof. (Dr.) K.P. Chaudhary	Member Secretary

Advisory Board

1. Prof. Vikram Kumar	IIT Delhi	2. Prof. A.Q. Ansari	Jamia Millia Islamia University
3. Dr. Rajendra Singh	IIT Delhi	4. Prof. Saroj Kaushik	IIT Delhi
5. Prof. S.D Joshi	IIT Delhi	6. Mr. Arun Kudale	Director, Kudale Instruments, Pune

Courses Offered

The institute offers four-years engineering degree. CSE Branch has an intake of 180 students each. IT & ECE branches have an intake of 120 students each and EEE branch has an intake of 60 students.

COURSES:

Morning Shift:

- Computer Science & Engineering
- Information Technology
- Electronics & Communication Engineering
- Electrical & Electronics Engineering

Evening Shift:

- Computer Science & Engineering
- Information Technology
- Electronics & Communication Engineering

Departments

The faculty of the college comprises of an enviable symbiosis of highly qualified teachers who are energetic as well as experienced. The faculty is extremely committed to the cause of imparting quality education to the aspiring engineers. Some of the faculty members also have long industrial experience which they pass on to the students and prepare them to understand the practical technological needs.

The Institute's culture is such that we are able to attract the best faculty and retain them. Prescribed faculty/student ratio of 1:15 is maintained. The rules laid down by the University are implemented in all matters including leave and pay. MSIT encourages the young faculty to study further and enhance their knowledge with qualification. Towards this end, the Institute liberally grants study leave to its faculty.

MSIT is located in an eight storey well planned and spacious building which incorporates all the safety features like earthquake resistance and fire prevention with the best available present-day technology in India. Each floor has only four classrooms to keep noise level low, fully-equipped labs and staff rooms for the faculty. Some of the labs are located at the lower ground floor. There are additional facilities like an independent Internet lab & Projects Lab for the students.

The Department wise Detail of Faculty and Infrastructure is as Follows:

DIRECTOR

Prof. K.P. Choudhary
(Former Chief Scientist & Head CSIR, NPL, New Delhi)

Dy. Director

Prof. Poonam Bansal

DEPARTMENT OF APPLIED SCIENCES



Applied Sciences are the backbone of Engineering. The Department of Applied Sciences in Maharaja Surajmal Institute of Technology comprises of Physics, Chemistry, Mathematics, English (Communication Skills), Organizational Behaviour and Mechanical Engineering.

All the laboratories have up-to-date experimental setups to expose the students to new trends in the field of applied sciences. The workshop is also equipped with the state-of-the-art machines. A new Computer laboratory has been set up exclusively for the first-year students to cater to the additional academic load. The laboratory is equipped with systems of latest configuration. To enhance the communication skills of the students, a Language lab has been setup with the state of the art infrastructure.

Various laboratories in the Department are:

- Physics lab
- Chemistry lab
- Applied Mechanics lab
- Computer lab
- Workshop
- Engineering Graphics lab
- Language lab

HOD

Morning Shift

Dr. Ajay Gahloy, Associate Professor, HOD

Evening Shift

Dr. Rekha Tripathi, Associate Professor, HOD

DEPARTMENT OF ELECTRONIC & COMMUNICATION ENGINEERING

Electronics & Communication Engineering forms the fulcrum of the modern-day technology. The Department comprises of the following

laboratories for the students for their hands-on learning. Various labs in the department are:

- Analog Electronics Lab. • VLSI Lab. Satellite and Antenna Lab. • Signals and Systems Lab. • Micro wave Lab. • Electronics Devices Lab. • Communication Systems Lab. • EIM Lab. • STLD Lab. • Micro processor Lab. • Consumer Electronics Lab. • Digital Systems Design Lab. • Optical Communication Lab. • Digital Communication Lab. • Digital Signal Processing Lab • Control Systems Lab. • Embedded System Lab • Project Lab

HOD

Morning Shift

Dr. Puneet Azad, Associate Professor, HOD

Evening Shift

Dr. Pradeep Sangwan, Associate Professor, HOD

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



Department of Computer Science & Engineering is keeping pace with the current global technologies. Keeping in view the new technological developments, the syllabus of certain subjects has been upgraded and some new subjects have been added so that the students can take maximum benefit from them and enhance their knowledge and polish their technical skills. The Department has well equipped computer labs. Every lab is fully air conditioned and provided with sufficient number of computer systems along with the

All computers are connected on LAN. Various Labs in the department are:

- Computers Lab. • Programming Lab. • Data base Management Lab. • Software Engineering Lab. • Linux and X-Windows Programming Lab. • Artificial Intelligence Lab. • Algorithm Analysis & Design Lab. • Object Oriented Programming Lab. • Data Structure Lab • Analog Device Lab.

HOD

Morning Shift

Dr. Koyal Dutta Gupta, Associate Professor

HOD

CSE Evening Shift

Dr. Naveen Dahiya, Associate Professor, HOD

DEPARTMENT OF INFORMATION TECHNOLOGY



Information processing is the basic need for all present-day technologies such as Mobile Communication, Satellite Communication and Internet Technology etc. Department of Information Technology plays an important role in molding the future technocrats to take up the global challenges in the field of information processing. In order to attain this mission, Department is well developed with the state-of-the-art software and computers with advanced configurations. It has an Internet & Project Lab, which enables information accessing for the students and faculty of the college. Various laboratories in the department are well networked.

Important Labs are:

- Computer Graphics - Multimedia Lab • Operating System Lab • Foundation of Computing Lab • Data Structure Lab • Maths Lab

HOD

Morning Shift

Dr. Tripti Sharma, Associate Professor, HOD

IT Evening Shift

HOD IT

Sh. Manoj Kumar Malik, Assistant Professor

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



The Department of Electrical & Electronics Engineering was formed in 2006 under the guidance of Prof. Kartar Singh with an intake of 60 students. Today the department is actively engaged in research and teaching activities in the field of Power Systems, High Voltage Engineering, Advanced Control Systems, Power Electronics and Drives, Signal Processing and Energy Studies.

Various Labs in the department are:

- Machine Lab • Power System Lab • Electrical Science/Circuits & Systems • Measurement & Instrumentation Lab • Electrical drive • Soft Computing • Advanced Control System lab • Power Electronics • Utilization of electrical Energy

Faculty

Morning Shift

1. Dr. Meena Tushir, Professor, HOD

LIBRARY



The Institute has a well-furnished & efficiently organized Central library which has a carpet area of about 404 sq meters. It is well stocked with latest editions of books by eminent authors on various subjects to cater to needs and requirements of its readers.

Highlights

- More than 59207 books (7620 titles) (including Book Bank) volumes covering various disciplines of science, engineering and humanities.
- It also subscribes to following AICTE mandatory e-resources:
 - IEEE(ASPP+POP) (2874 e-journals)
 - ScienceDirect (275 e-journals)
 - SpringerLink (149 e-journals)
- Wi-Fi facility is also provided to the users of library.
- It subscribes 7 magazines, 65 national and 19 international journals for users and 15 newspapers.
- It has a research wing for scholars to research on JAAT community.
- There is online Library facility.
- Central Library provides book bank facility for B.Tech students.
- It has taken DELNET membership since 2015.

For more information, you can visit library website

<http://sites.google.com/site/centrallibrarymaharajasurajmal/>

BOOK BANK

The Institute has also provided the facility of Book Bank to the students. It has rich collection of over 38,221 books including text books and reference books. The students can get all books issued related to their subjects at the start of semester. Facilities like Wi-Fi, NPTEL, newspapers, journals, reading room have also been included.

AUDITORIUM



There is a fully air-conditioned auditorium inside the campus with a seating capacity of over 1000 people. It is well equipped with all the modern audio-visual equipment. The auditorium is used for seminars, conferences and cultural functions.

SEMINAR HALL



The Institute has 3 seminar halls. These fully air-conditioned halls have seating capacity of 150 persons each and are well equipped with various modern audio-visual equipments. The halls are frequently used for guest lectures and invited talks delivered by experts in different fields of science and technology.

HOSTEL & MESS



Raja Mahendra Pratap Hostel, an elegant four storey building within the campus, accommodates 250 students, including 100 girl students. The Hostel comprises single and double occupancy rooms to provide a hassle-free stay to the students.

The hostel has a lush green sprawling lawn to provide a serene and clean atmosphere to make the students feel comfortable. All the facilities have been aesthetically designed to give a homely environment and perfect locale for learning.

Round the clock water and electricity supply are available in the hostel. Airconditioned guest room for visiting parents.

Air-conditioned guest room for visiting parents, facilities for indoor games, and first-aid facility are the added features of the hostel. A well aid mess which is hygienically maintained and has good cooking facilities provides homely food at very reasonable rates to the students staying in hostel.

CAFETARIA



Whenever students find time during their busy study schedule, they can refresh themselves with tea & snacks in the cafeteria. The cafeteria has been designed to provide a relaxing atmosphere and to enable the students to have discussions on academics and to plan their activities of the day ahead. Having a seating capacity of about 60 students, the cafeteria is well supervised for quality and cleanliness under the caring management of the Institute.

GAMES & PLAYGROUND



A healthy mind lives in a healthy body. Games and physical activities are encouraged at MSIT. Apart from the volleyball and basket ball courts a very inviting full size playground, adequate for outdoor games like football, cricket and hockey, is available to the students. This playground is also the venue of our Annual sports meet and many other fun Book Bank) volumes covering various disciplines of science, engineering and humanities.

MSIT Alumni Association



Mr. M.V. Priyank addressing all faculty members

MSIT has recently registered its Alumni Association under Societies registration act with Registration No. S/ROS/DW(SW). Registration process of students of fifteen previously graduated batches of MSIT has already begun through its Alumni portal (alumni.msit.in). The association started its operation with the conduct of its first session on “Carrier Guidance” on 5th, October, 2019. All the founder students presented their talks and guided the B.Tech students in choosing their career in various fields including Software, Management, Electronic design, Higher studies, PSUs etc., Mr. M.V. Priyank, an Alumni (IT 2007-11 batch) Wellness Entrepreneur was invited to deliver a session on “Journey into Sound Healing for Relaxation and Well Being” on 21.11.2019



Prof. Rajesh Nair

Renowned Prof. Rajesh Nair, spoke on “Building an Entrepreneurship Ecosystem.” Prof. Nair is Director and Professor of Practice, Innovation and Entrepreneurship Centre, Asia School of Business | MIT Sloan and Visiting Scholar Massachusetts Institute of Technology (MIT). MSIT Alumni Association is committed to bring together the alumni community on a common platform to foster stronger relations between alumni and others connected with the Institute.

- Dr. Koyel Datta Gupta, Dr. Rinky Dwivedi, Dr. Naresh Kumar, Dr. Sandeep Kumar, 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 Rathi, Mr. Navdeep Bohra, Mr. Sushil Kumar, Ms. Ashish Kumari and Ms. Suman Lata attended 1 week FDP on “Machine Learning using Python” from March 2 to March 6, 2020 organised by Brain Mentors Pvt. Ltd. at MSIT
- Dr. Koyel Datta Gupta and Dr. Rinky Dwivedi attended 4-week NPTEL online certification on “Medical Image Analysis” from February 24 to March 20, 2020 organised by NPTEL - on the SWAYAM platform (swayam.gov.in).
- Dr. Kavita Sheoran attended 2 days training on “IPR and Technology Transfer” conducted as part of IIC Innovation Ambassador Training Series from January 16 to January 17, 2020 organised by Institution’s Innovation Council of MHRD’s Innovation Cell, AICTE held at Lovely Professional University, Jalandhar, Punjab.
- Dr. Geetika Dhand attended 2 days training on Attended Training on “Pre- Incubations & Incubation Management” conducted as part of IIC Innovation Ambassador Training Series from January 16 to January 17, 2020 organised by Institution’s Innovation Council of MHRD’s Innovation Cell, AICTE held at Lovely Professional University, Jalandhar, Punjab.
- Ms. Divya Jatain attended 2 days workshop on “Data Science-Research Issues and applications” from January 10 to January 11, 2020 organised by IGDTUW, Kashmere Gate.
- Dr. Kavita Sheoran, Dr. Geetika Dhand, Dr. Sapna Malik, Ms. Shaily Malik attended 1 week FDP on “Planning and Management for Institutional Excellence” from November 18 to November 22, 2019 organised by NITTTR, Chandigarh at MSIT.
- Dr. Koyel Datta Gupta attended 3-day leadership workshop on “Toward Transformation Leadership in Institute of higher learning” from September 18 to September 20, 2019 organized by AICTE at AICTE Headquarters.
- Ms. Divya Jatain attended 12-week NPTEL online certification on “The Joy of Computing using Python” from July to October, 2019 organised by NPTEL - on the SWAYAM platform (swayam.gov.in).
- Dr. Priyanka Nandal attended 8-week NPTEL online certification on “Introduction to machine learning” from July to September, 2019 organised by NPTEL - on the SWAYAM platform (swayam.gov.in).
- All the faculty members of IT department (1st Shift) attended FDP on the topic “Planning and Management for Institutional Excellence” from Nov. 18-22, 2019 conducted by NITTTR Chandigarh, held at MSIT.

- All the faculty members of IT department (1st Shift) attended FDP on the topic “Machine Learning using Python” from March 02-06, 2020 organized by Brain Mentors Pvt. Ltd. held at MSIT.
- Dr. Tripti Sharma attended FDP on the topic “Indian Electricity Rules and Codes of Practices” from Dec. 16-20, 2019 held at MSIT.
- Mr. Surender Singh attended FDP on the topic “Entrepreneurial Opportunity Identification and Project Formulation in Services Sector” from May 13-17, 2019 conducted by NITTTR Chandigarh, held at MSIT.
- Ms. Deepika Gahlan attended FDP on the topic “Recent Trends in electric power & energy systems” from July 15-19, 2019 held at DCRUST, Murthal.
- Ms. Deepika Gahlan attended a live webinar by IEEE India operations on April 24, 2020.
- Dr. Anupama Kaushik attended a workshop on the topic “Toward Transformational Leadership in Institutes of Higher Learning”, from Sept. 18-20, 2019 held at AICTE Headquarters, New Delhi.
- All the faculty members of IT department (1st Shift) attended International Conference on Artificial Intelligence and Applications (ICAIA) 2020, from Feb. 6-7, 2020 held at MSIT.
- Skill Development Programme on Financial Literacy: E-cell of Maharaja Surajmal Institute of Technology conducted a seminar on 29th January, 2019 in room no. 06 of one hour (12 pm-1 pm). Maharaja Surajmal Institute of Technology in collaboration with Advance Institute of Financial Market and Research (AIFMR) is offering a certified add-on course titled - Basic Skill Development Program: Financial Market.
- Dr. Puneet Azad, Prof. Archana Balyan, Dr. Sudesh Pahal, Dr. Meena Rao, Dr. Shaifali Madan Arora, Dr. Neeru Rathee, Mr. Deepak Goyal, Dr. Richa Gupta, Ms. Deepti Deshwal, Dr. Dinesh Sheoran, Ms. Deepshikha Yadav, Ms. Poonam, Ms. Anshul Pareek, Dr. Aman Dahiya, Ms. Neelam Nehra, Ms. Geetanjali Sharma, Mr. Parveen Kumar, Ms. Nishtha and Ms. Vishakha Tomar attended 1 week FDP on “Machine Learning using Python” held at MSIT from March 2 to March 6, 2020 organized by Prof. Archana Balyan and Dr. Sudesh Pahal
- Puneet Azad attended IEEE Joint ISAF-ICE-EMF-IWPM-PFM conference - 2019 f2cpi2, Lausanne, Switzerland, July 14-19, 2019
- Archana Balyan attended International Conference on Artificial intelligence and applications, New Delhi, Feb 6-7, 2020
- Sudesh Pahal attended International conference on recent trends in Computer Applications and Informational Technology (RT-CAIT), MMEC Mullana, April 19-20, 2019

- Sudesh Pahal attended International conference on “Advances in Electronics: Electrical: Computational Intelligence”- 2019 (ICAEEC-19), IIIT Allahabad, May 31-June 1, 2019
- Sudesh Pahal and Preeti Sehrawat, attended ICACCT 2019, NIT Kurukshetra, Dec 6-7, 2019
- Sudesh Pahal and Neeru Rathee attended International Conference on Advancements in Computing & Management, JaganNath University, Jaipur, April 13-14, 2019
- Richa Gupta attended International Conference on Artificial intelligence and applications, New Delhi, Feb 6-7, 2020
- Deepshikha Yadav and Anshul Pareek attended 1 Week FDP on “Indian Electricity rules and codes of Practice” held at MSIT from Dec 16 to Dec 20, 2019 organized by EEE Department
- Aman Kumari attended International Conference on Latest Trends in Electronics and communication Engineering, Greater Noida, 9-10 April, 2019
- Anshul Pareek attended International Conference on Computational Intelligence and Data Science (ICCIDS 2019), NCU, Gurugram, Sep 6-7, 2019
- Anshul Pareek attended International Conference on Artificial intelligence and applications, New Delhi, Feb 6-7, 2020
- Geetanjali Sharma attended 1-week FDP on “Smart Electronics Technologies and Systems” held at MNIT Jaipur from August 10 to August 14, 2019. Geetanjali Sharma attended International Conference on Artificial intelligence and applications, New Delhi, Feb 6-7, 2020
- Mr. Sachit Rathee attended one week faculty development programme on the topic “laboratory practices on electrical machines and controls” held at NITTTR during 24-28 June, 2019.
- Ms. Shilpam attended one week faculty development programme on the topic “Power System Operation control & planning with Renewable Energy Sources” held at NIT during 3-7 July, 2019.
- Ms. Sonia Goel attended one week faculty development programme on the topic “Recent Developments in Renewable Energy Systems” held at DTU during 25.11.2019-29.11.2019.
- Ms. Sonia Goel attended one week Short Term Training Programme (STTP) on the topic of “Indian Electricity Rules and Code of Practices conducted by NITTTR, Kolkatta from 16/12/19 to 20/12/19
- Ms. Sonia Goel attended one week faculty development programme on the topic “Machine Learning Using Python” by Brain Mentors Pvt. Ltd held at MSIT Delhi during 02.03.2020 to 06.03.2020.
- Dr. Jyoti Jain attended one week faculty development programme on the topic “Recent Research directions and key concepts in Electrical Engineering” held at DTU during 2.12.2019-6.12.2019.
- Dr. Jyoti Jain attended one week faculty development programme on the topic “Machine Learning Using Python” by Brain Mentors Pvt. Ltd held at MSIT Delhi during 02.03.2020 to 06.03.2020.

- Ms. Nidhi Gupta attended one week faculty development programme on the topic “Recent Research directions and key concepts in Electrical Engineering” held at DTU during 2.12.2019-6.12.2019.
- Ms. Sapna Raghav attended one week faculty development programme on the topic “Research Methodologies” held at NCU, Gurugram during 18.12.2019 to 24.12.2019.
- Dr. Yogendra Arya attended ICT based one week faculty development programme on the topic “Entrepreneurial Opportunity Identification and Project Formulation in Services Sector” NITTTR Chandigarh during 13.05.2019 to 17.05.2019.
- Dr. Yogendra Arya attended ICT based one week faculty development programme on the topic “Faculty Development: Planning And Management For Institutional Excellence” NITTTR Chandigarh during 18.11.2019 to 22.11.2019.
- Dr. Yogendra Arya attended one week faculty development programme on the topic “Recent Developments in Renewable Energy Systems” held at DTU during 25.11.2019 to 29.11.2019.
- Dr. Yogendra Arya attended one week faculty development programme on the topic “Machine Learning Using Python” by Brain Mentors Pvt. Ltd held at MSIT Delhi during 02.03.2020 to 06.03.2020.
- Dr. Yogendra Arya attended ICT based online one week faculty development programme on the topic “Quantum and Energy Materials: Potential & Applications” by NITTTR Chandigarh during 20.04.2020 to 24.05.2020.
- Dr. Yogendra Arya, Dr. Sunil Gupta ,Ms. Nidhi Gupta,Dr. Meena Tushir Dr. Jyoti Jain attended ICT based one week faculty development programme on the topic “Indian Electricity Rule and Code of Practices” by NITTTR Kolkata during 16.12.2019 to 22.12.2019.
- Ms. Rakhi Kamra and Ms. Annu Dagar attended one week Short Term Training Programme (STTP) on the topic of “Indian Electricity Rules and Code of Practices conducted by NITTTR,Kolkata from 16.12.2019 to 20.12.2019
- Ms. Rakhi Kamra attended a one week faculty development programme on the topic “Machine Learning Using Python” by Brain Mentors Pvt. Ltd held at MSIT Delhi during 02.03.2020 to 06.03.2020

Term Training Programme on “Entrepreneurial Opportunity identification and Project Formulation in Services Sector”



A one week sort term training programme was organized by Dr. Neeru Rathee in Seminar Hall #206 on the topic “Entrepreneurial Opportunity Identification and Project Formulation in Services Sector”, from 13th to 17th May, 2019. A total of 27 faculty members from various departments attended the same.

- Ms. Sitender, Ms. Minakshi Tomer, Ms. Tripti Rathee, Dr. Bharti Sharma, Dr. Adeel Hashmi, Ms. Nishtha Jatana, Ms Gunjan attended one-week FDP on Machine Learning Using Python” from March 02 to 6, 2020 March. held at MSIT.
- Dr. Bharti Sharma and Mr. Sitender, attended FDP on the topic “Planning and Management for Institutional Excellence” from November 18 to 22, 2019 organized by NITTTR held at MSIT.
- Dr. Adeel Hashmi attended one week “InfyTQ based Foundation Program “from May 6-13, 2019 held at MSIT.
- Ms. Saba Khanum, Ms. Tripti Rathee attended one week workshop on “Blockchain Technology” from Feb 17 to 22, 2020 organized by AICTE ATAL held at NPTI Badarpur.
- Ms. Nishtha Jatana, attended one week FDP on “Technical Writing and Research Publishing using LaTeX 2.0” from Sep 23-27, 2019 held at BVCOE.
- Dr. Bharti Sharma, attended one week Short term course on “Entrepreneurial Opportunity identification and Project Formulation in Service Sector” from May 13 – 17, 2019 Organised by NITTR at MSIT.
- Mr. Sandeep Singh, Ms. Parul Chaudhary, Ms. Jasmine Chhikara, Ms. Garima attended 1 Week FDP on “Machine learning with Python” from March 2 to March 6, 2020 organized by Brain Mentors Pvt. Ltd. at MSIT.
- Dr. Pardeep Sangwan, Ms Garima and Ms. Swati Malik Dr. Pardeep Sangwan and Mr. Ravi Choudhary attended 1 Week FDP on “Indian Electricity Rules and Code of Practices” from December 16 to December 20, 2019 organized by NITTTR Kolkata at MSIT.
- Dr. Pardeep Sangwan, Ms. Jasmine Chhikara and Ms. Neetu Sehrawat attended 1 Week FDP on “Entrepreneurial Opportunity Identification and Project Formulation in Service Sector” from 13-17 May, 2019 organized by NITTTR Chandigarh at MSIT.

- Koyel Datta Gupta, Aditya Garg, Himanshu Bhaskar, Paras Jain, “Behaviour Prediction using Graphology”, International Conference on Innovative Computing and Communication (ICICC-2020) held on 21-23 Feb 2020, at Shaheed Sukhdev College of Business Studies, University of Delhi.
- Deepak Sharma, Shirid Pant, and Rinky Dwivedi “A Community Interaction-Based Routing Protocol for Opportunistic Networks “, International Conference on Innovative Computing and Communication (ICICC-2020) held on 21-23 Feb 2020, at Shaheed Sukhdev College of Business Studies, University of Delhi.
- Priyanka Nandal, “Deep Learning in diverse computing and Network applications student admission predictor using deep learning”, International Conference on Innovative Computing and Communication (ICICC-2020) held on 21-23 Feb 2020, at Shaheed Sukhdev College of Business Studies, University of Delhi.
- Vimal Gaur, Devika Mehra, Anchit Mehra, Raveena Kumari and Srishti Rawat, “Quantum Key Distribution:Attacks and Solutions “, International Conference on Innovative Computing and Communication (ICICC-2020) held on 21-23 Feb 2020, at Shaheed Sukhdev College of Business Studies, University of Delhi.
- Savita Ahlawat, “Hybrid CNN-SVM Classifier for Handwritten Digit Recognition”, International Conference on Computational Intelligence and Data Science (ICCIDS), Gurugram, Haryana, Sept. 2019.
- Jatin Bindra, Rajesh Bulla and Savita Ahlawat, “Deeper into Image Classification”, International Conference on Innovative Computing and Communication (ICICC-2020) held on 21-23 Feb 2020, at Shaheed Sukhdev College of Business Studies, University of Delhi.
- Vimal Gaur, Rajneesh Kumar Gujaral, Anuj Mehta, Rudresh Bansal and Nikhil,” Enhanced Digital Image Encryption using Sine Transformed Complex Chaotic Sequence, International Conference on Artificial Intelligence & Applications, 6-7 Feb 2020, at MSIT, Janakpuri.
- Savita Ahlawat, Harsh Gupta, Aniruddha Bhandari, Ankur Dhall and Manish Kumar,”Offline handwritten Mathematical Expression Evaluator using Convolutional Neural Network”, International Conference on Innovative Computing and Communication (ICICC-2020) held on 21-23 Feb 2020, at Shaheed Sukhdev College of Business Studies, University of Delhi.
- Vinita Rohilla, Sudeshna Chakraborty and Rajiv Kumar, “Car Automation Simulator using Machine Learning” International Conference on Innovative Computing and communication(ICICC), at Shaheed Sukhdev College of Business Studies, University of Delhi on 21-23 Feb 2020.

- Shaily Malik, "Semantic Space auto encoder for cross Modal Data Retrieval", International Conference on Innovative Computing and Communication (ICICC-2020) held on 21-23 Feb 2020, at Shaheed Sukhdev College of Business Studies, University of Delhi.
 - Pooja Kherwa and Poonam Bansal, "A Comparative Empirical Evaluation of Topic Modelling Techniques", International Conference on Innovative Computing and Communications (ICICC-2020), held on 21-23 Feb 2020, at Shaheed Sukhdev College of Business Studies, University of Delhi.
 - Pooja Kherwa, Savita Ahlawat, Rishabh Sobti and Gumjan Mohan, "Predicting Socio-economic Features for Indian States Using Satellite Imagery", International Conference on Innovative Computing and Communication (ICICC-2020) held on 21-23 Feb 2020, at Shaheed Sukhdev College of Business Studies, University of Delhi.
 - Shalu Mehta and Amita Malik, "A Swarm Intelligence based Coverage Hole Healing approach for Wireless Sensor Networks", International Conference on Artificial Intelligence & Applications held on 6-7 Feb 2020 at MSIT, Janakpuri.
 - Navdeep Bohra, Rishabh, Nikunj Chawla, Mallika Lathar and Ashish Kumari, "License Plate Recognition", International Conference on Innovative Computing and Communication (ICICC-2020) held on 21-23 Feb 2020, at Shaheed Sukhdev College of Business Studies, University of Delhi.
 - Sushil kumar, Navin Prakash and Shivangi Agarwal, "Analysis of Denoising Techniques applied to Facial Images for Emotion Recognition", 7th International Conference on Signal Processing and Integrated Networks (SPIN), Noida, India, 2020, pp. 256-261, doi: 10.1109/SPIN48934.2020.9070941.
 - Divya, Vikram Singh and Naveen Dahiya, "A Novel Approach for Predicting Popularity of User Created Content Using Geographic-Economic & Attention Period Features", International Conference on Artificial Intelligence & Applications held on 6-7 Feb 2020 at MSIT, Janakpuri.
- SEMINARS, WORKSHOPS, CONFERENCES, TRIPS AND GUEST LECTURES ORGANIZED**
- Seminar on "Machine Learning with Python" on April 4, 2019 for B.Tech, CSE students in association with Training Basket.
 - Organised an Industrial Visit to Indo Farm Equipment Ltd., Baddi, Himachal Pradesh for B.Tech, CSE & IT 4th Year students from April 17 to April 21, 2019.
 - Seminar on "Higher Education" on Sept 6, 2019 for B.Tech, 3rd Year CSE Students in association with Jamboree Institute.
 - Seminar on "Python and Databases" on September 11, 2019 for B.Tech, CSE 2nd & 3rd Year students in association with DUCAT.
 - Organised an Industrial Visit to Aryabhata Research Institute of Observational Sciences (ARIES) in Nainital, Uttarakhand for B.Tech, CSE students on October 9, 2019.

- Seminar on “Importance of Research paper in Higher Education” on January 16,2020 for B.Tech,CSE 3rd Year students. in association with COO Bestie Inc.,Canada.

- Seminar on “Microsoft certification” on January 22,2020 for B. Tech, CSE,2nd Year students in association with 9LedgePro.

- Workshop on “Hands on Python & Machine Learning” on February 4,2020 for B. Tech,2nd Year CSE Students in association with Webtek Technologies.

- Seminar on “Machine learning and Robotics”on February 5,2020 for 3rd Year CSE students in association with Training Basket.

- Dr. Tripti Sharma, presented paper titled “Fuzzy based DBSCAN Algorithm to Elect Master Cluster Head and enhance the network lifetime and avoid redundancy in wireless sensor network” in International Conference on Innovative Computing and Communication, Feb. 2020.

- Dr. Tripti Sharma, presented paper titled “AEECC-SEP: Ant based Energy Efficient Condensed Cluster Stable Election Protocol in Wireless Sensor Network” in International Conference on Innovative Computing and Communication, Feb. 2020.

Dr. Suman Mann, Ms. Meena, presented paper titled “Data Model Quality Metrics of Data Warehouse: A Survey” in International Conference on Innovative Computing and Communication, Feb. 2020.

Dr. Suman Mann, Ms.Yukti Arora, Ms. Shivani Anand, presented paper titled “Smart hospitals ith the use of Internet of Lings and ArtiHcial Intelligence” in International Conference on Innovative Computing and Communication, Feb. 2020.

- Puneet Azad and Rahul Vaish, “Large energy harvesting using simultaneous application of pyroelectric and thermoelectric materials,” IEEE Joint ISAF-ICE-EMF-IWPM-PFM conference - 2019 f2cpi2, Lausanne, Switzerland, July 14-19, 2019

- Archana Balyan, Yamini Singh, Shashank, “Classifying Breast cancer based on machine learning,” International Conference on Artificial intelligence and applications, Maharaja Surajmal Institute of Technology, New Delhi, Feb 6-7, 2020
- Sudesh Pahal, “Vehicular communication using radio waves: A step towards smarter vehicles,” RTCAIT, MMEC Mullana, April 13-14, 2019
- Sudesh Pahal, “Miniaturized microstrip band-stop filters with wider bandwidth,” ICAEE-CI, IIT Allahabad, May 31-June 1, 2019
- Sudesh Pahal, Preeti Sehrawat, “Image colorization with deep convolutional neural networks,” Proceedings of ICACCT 2019, NIT Kurukshetra, Dec 6-7, 2019.
- Neeru Rathee, Sudesh Pahal, “Investigation of facial expressions for physiological parameter measurement” International Conference on Advancements in Computing & Management, JaganNath University, Jaipur, April 13-14, 2019
- Richa Gupta, Garima Bakshi, “Gain and Bandwidth enhancement of DRA antenna,” International Conference on Artificial intelligence and applications, New Delhi, Feb 6-7, 2020
- Garima Bakshi, Arti Vaish, Richa Gupta, “Measurements in an Anechoic Chamber for DRA Antennas, EMI and EMC,” International Conference on Intelligent Computing and Control Systems (ICCS), Madurai, May 15-17, 2019.
- Aman Kumari Dahiya, Adarsh Pal, Dhirendra Kumar, “3.5 GHz microstrip transmission line design for Microwave IC’s” International Conference on Latest Trends in Electronics and communication Engineering, Greater Noida, 9-10 April, 2019
- Anshul Pareek and Nidhi Arora, “Re-projected surf features based mean-shift algorithm for visual tracking,” International Conference on Computational Intelligence and Data Science (ICCIDS 2019), NCU, Gurugram, Sep 6-7, 2019
- Anshul Pareek and Nidhi Arora, “A robust surf-based online human tracking algorithm using adaptive object model,” International Conference on Artificial intelligence and applications, New Delhi, Feb 6-7, 2020
- Saurabh Thakur, Yajash Goplani, Sahil Aroora, Rohit Upadhyay and Geetanjali Sharma, “Chest X-Ray Images based Automated Detection of Pneumonia using Transfer Learning and CNN,” International Conference on Artificial intelligence and applications, New Delhi, Feb 6-7, 2020,

PUBLICATIONS

- Ÿ Dr. Man Singh Beniwal, Direct estimates for a certain form of Srivastava-Gupta operator, Boletín de la Sociedad Matemática Mexicana, 1405-213X, 2019
- Ÿ Dr. Ajay Kr. Singh, "Structural, photoluminescence and dielectric investigations of phosphatic shale" Luminescence, 1522-7243
- Ÿ Dr. Ajay Kumar "Using Quorum for Solving Channel Allocation Problem", International Journal of Computer Science and Mobile Computing, 2019, 2320-088X
- Ÿ Mr. Rajbir Singh, "Magnetic Abrasive Flow Machining Process Review and Its Experimental Investigation" International Journal of Engineering Research & Technology, 2019, 2278-0181
- Ÿ Mr. Rajbir Singh, "Techno-Economic Comparison of UASB Reactors with other Sewage Treatment Technologies in India" International Journal for Innovative Research in Multidisciplinary Field, 2019, 2455-0620
- Ÿ Dr. Anju R. Ahlawat Electronic Waste Impacting Health and Environment, Its Management- Global & Indian Perspective, International Journal of Scientific Research and Engineering Development, 2019, 2581-7175.
- Ÿ Dr. Jindagi Kumari, Review Article, "Personal is Aesthetic" Amit Chaudhuri's The Origins of Dislike. Muse India Issue, May –June 2019 ISSN:0975-1815
- Ÿ Dr. Jindagi Kumari, "In Memorium: To Baba ...with Love" Non-Fiction. Kitaab: Connecting Asian Writers with Readers Globally, December 15, 2019
- Ÿ Dr. Jindagi Kumari, Book Review of "Moon in My Teacup" by Basudhara Roy Chatterjee Setu: Bilingual monthly journal published from Pittsburgh, USA ISSN 2475-1359 April, 2020
- Ÿ Dr. Rakesh Kumar **Book Chapter:** Silicones as Alternate Materials to Plastic: A Brief Review Fundamental of Plastic Waste Management (Edited Book) DBH Publishers & Distributors. 2019, ISBN: 978-93 -84871-18-5
- Ÿ Dr. Pooja Singh, Hypergeometric Functions on Cumulative Distribution Function, Asian Research Journal of Mathematics, 2019, 2456-477X
- Ÿ "Integrals of Four Variables with Statistical Distribution associated with hyper geometric function of Matrix Argument" International Journal for Research in Applied Science & Engineering Technology, 2019, 2321-9653
- Ÿ Dr. Reetu Siwach, " Lie Nilpotent Group Algebras: A Survey" International Journal of Mathematics Trends and Technology, 2019, 2231-5373
- Ÿ Ms. Pooja Singh. "Infrared Detector", International Journal of Electronics Engineering Research, 2019, 0975-6450
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- Ÿ **Koyel Datta Gupta**, "A Survey on Recommender System", International Journal of Applied Engineering Research, ISSN 0973-4562, Vol. 14 ,No.14, pp.3274-3277, 2019.

- Ÿ **Rinky Dwivedi**, "Flame and Smoke detection in surveillance videos", International journal of Innovative science, engineering and technology, ISSN 2348-7968, Vol. 6, Issue 11, pp.93-99, Dec-19.
- Ÿ **Naresh Kumar**, Jatin Bindra, Rahul Mattoo, Rajat Sharma, Varun Taneja and Deepali Gupta, "Deeper into Air Pollution Forecasting: A Comparative Study of Deep Learning Models on Air Pollution Forecasting", Test Engineering and Management, ISSN: 0193-4120 pp. 1378 – 1383, vol. 83, May-June 2020.
- Ÿ **Naresh Kumar**, "An Improved Crawler Based on Efficient Ranking Algorithm", International Journal of Advanced Trends in Computer Science and Engineering, ISSN 2278-3091, Jul-19.
- Ÿ **Priyanka Nandal**, "Security system using Face recognition", International Journal for Research in Engineering Application & Management, ISSN 2454-9150, Vol. 05, Issue 08, pp. 80-87, Nov-19.
- Ÿ **Sandeep Kumar**, Mohit Tanwar, Anand Kumar, Geeta Rani, and Prashant Chamoli, "Hand Gesture Recognition Based Calculator", International Journal Computer Science Mobile and Computing, ISSN 2320-088x, vol. 8, no. 10, pp. 149–158, Oct 2019.
- Ÿ **Sandeep Kumar**, Akash Garg, Dharmesh Sharma, and Piyush Saini, "A Framework for Solving the Handwritten Equations Using OCR", International Journal Management Technology and Engineering, ISSN 2249-7455, vol. IX, no. XI, pp. 466–471, Nov 2019.
- Ÿ **Kavita Sheoran**, Pradeep Tomar and Rajesh Mishra, "A novel quality prediction model for component-based software system using ACO–NM optimized extreme learning machine", Cognitive Neurodynamic, Apr-20. <https://doi.org/10.1007/s11571-020-09585-7>(SCIE)
- Ÿ **Kavita Sheoran**, "Literacy Rate Analysis Dashboard", International Journal of Scientific and Technology Research, ISSN 2277-8616, Vol IX, Issue VII, 468-477, Aug-19.
- Ÿ **Kavita Sheoran**, "Windows System Malware Detection", International Journal of Management, Technology and Engineering, ISSN 2249-7455, Vol. 8(08), pp. 1306-1309, Jul-19.
- Ÿ **Vimal Gaur**, Bineet Singh, Deepak, Megha Agrawal and Nimisha Mishra, "Estimation of Various Scalar Multiplication Algorithms in ECC", International Journal of Innovative Technology and Exploring Engineering, ISSN 2278-3075, Vol. 8, no. 6S4, pp. 183-186, Apr-19.
- Ÿ **Savita Ahlawat** and Rahul Rishi "Off-line Handwritten Character Recognition using Geometric Moment Features and Fuzzy Clustering", International Journal of Recent Technology and Engineering (IJRTE), ISSN 2277-3878, May-19.
- Ÿ **Sapna Malik**, "Anomaly based Intrusion Detection in Android Mobiles: A Review ", International Journal of Engineering Research & Technology (IJERT), ISSN 2278-0181, Vol. 08, Issue 10, pp. 698-710, Oct-19.

- **Ÿ Sapna Malik, Simran Kaur and Sejal Rana,** "Invisibility Cloak using Color Detection and Segmentation with Open CV", International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Vol.9 Issue-4, pp.1621-1624, April 2020
- **Ÿ Vinita Rohilla, Sudeshna Chakraborty and Rajiv Kumar,**"Random Forest with Harmony Search Optimization for Location Based Advertising", International Journal of Innovative Technology and Exploring Engineering, ISSN 2278-3075, Vol. 8 Issue-9, Jul-19.
- **Ÿ Shaily Malik and Poonam Bansal,**"Matrix Factorization-based Improved Classification of Gene Expression Data",Bentham Science Publishers, ISSN 2213-2759, May-2019.
- **Ÿ Pooja Kherwa and Poonam Bansal,**"Topic Modelling Comprehensive Survey", EAI Endorsed Transaction on Scalable Information System, ISSN 2032-9407, Vol. 7, Issue 24, pp. 1-13, Jul-19.
- **Ÿ Pooja Kherwa and Poonam Bansal.,**" Semantic N-Gram Topic Modelling",EAI Endorsed Transactions on Scalable Information Systems, Feb 2020. doi: 10.4108/eai.13-7-2018.163131(ESCI)
- Dr. Tripti Sharma, published paper titled "Comparison of Bacteria Foraging Optimization Algorithm and Its Variants in WSN" in International Journal of Innovation in Engineering Research & Management in 2019.
- Dr. Tripti Sharma, published paper titled "Data Aggregation in Wireless Sensor Network" Accent Journal of Economics, Ecology and Engineering in 2019.
- **Ÿ Ms. Sakshi Hooda, Dr. Suman Mann,** published paper titled "Distributed Synthetic Minority Oversampling Technique" in International Journal of Computational Intelligence Systems, July 2019.
- **Ÿ Ms. Sakshi hooda, Dr. Suman Mann,** published paper titled "A focus on the ICU's Mortality prediction using a CNN-LSTM model" in International Journal of Psychosocial Rehabilitation, April 2020.
- **Ÿ Dr. Anupama Kaushik, Ms. Niyati Singal,** published paper titled "A hybrid model of wavelet neural network and metaheuristic algorithm for software development effort estimation" in International Journal of Information Technology, July 2019.
- **Ÿ Dr. Anupama Kaushik, Dr. Devendra Kr. Tayal, Dr. Kalpana Yadav,** published paper titled "A Comparative Analysis on Effort Estimation for Agile and Non-Agile Software Projects Using DBN-ALO" in Arabian Journal for Science and Engineering, November 2019 .
- **Ÿ Ms. Sonika Malik,** published paper titled "Ontology Based Context Aware Model" in International Journal of Research in Advent Technology, December 2019.
- **Ÿ Mr. Surender Singh and Rajinder Singh,** published paper titled " Comparison of Web - Mining Techniques - A Survey Paper" in International Journal of Adv. Res. , December 2019.
- **Ÿ Ms. Meena Siwach,** published paper titled "Simulation of transition strategies to provide connection between IPV4 and IPV6" in Satyam, MSIT Journal of Research, Sept 2019.

- Khushboo and **Puneet Azad**, "Design and analysis of a synchronized interface circuit for Triboelectric energy harvesting," *Journal of Electronic Materials*, vol. 49, pp. 2491–2501, 2020
- **Puneet Azad**, Khushboo and Rahul Vaish, "Solar energy harvesting using pyroelectric effect associated with piezoelectric buzzer," *Physica Status Solidi (a)*, vol. 216, doi:10.1002/pssa.201900440, 2019
- **Puneet Azad**, "Temperature controlled voltage regulated boost converter for thermoelectric energy harvesting," *IETE Journal of Research*, doi:10.1080/03772063.2019.1651678, 2019
- Ÿ Anuruddh Kumar, Sidhant Kumar, Satyanarayan Patel, Moolchand Sharma, **Puneet Azad**, Rahul Vaish, Rajeev Kumar and K.S. Srikanth, "Pyroelectric energy conversion harvesting using $Ba_{0.85}Sr_{0.15}Zr_{0.1}Ti_{0.9}O_3$ ceramics and its cement based composites," *Journal of Intelligent Material Systems and Structures*, vol. 30, pp.869-877, 2019
- Ÿ **Puneet Azad**, Moolchand Sharma and Rahul Vaish, "Diesel exhaust emission coated pyroelectric materials for improved thermal energy harvesting," *Global Challenges*, vol.3, 1800089, 2019
- Ÿ Khushboo and **Puneet Azad**, "Triboelectric energy harvester using human biomechanical motion for low power electronics," *Bulletin of Materials Science*, vol. 42, <https://doi.org/10.1007/s12034-019-1801-9>, 2019
- Ÿ **Ruchika Kumari**, Amita Dev, Archana Balyan and Ashwini Kumar, "Machine learning techniques in speech generation: A Review," *Journal in Advanced Research in Dynamical and Control Systems*, vol.11/11- Special Issue, pp. 1095-1110, 2019
- Ÿ **Meena Rao**, "Uninterrupted Multimedia transmission using nth Routing Protocol", *International Journal of Research in Electronics and Computer Engineering*, vol. 7, pp. 884-886, 2019.
- Ÿ **Shaifali Madan Arora**, Navin Rajpal, and Kavita Khanna, "A new approach with enhanced accuracy in zero motion prejudgment for motion estimation in real-time applications," *Journal of Real-Time Image Processing*, vol.16, pp.989-1005, 2019
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PLACEMENT STATUS : BATCH 2020

SR.NO.	COMPANY	BRANCH				
		CSE	IT	ECE	EEE	TOTAL
1	INFOSYS (PP)	2	2	0	0	4
2	INFOSYS (SES)	12	3	4	0	19
3	INFOSYS (SE)	93	43	51	7	194
4	ACCENTURE (FSE)	8	3	2	0	13
5	ACCENTURE (ASE)	61	50	80	17	208
6	TCS (D)	2	4	1	0	7
7	TCS (N)	38	20	30	3	91
8	ADOBE (MTS)	0	1	0	0	1
9	ADOBE	0	0	1	0	1
10	IONTRADING	4	0	2	0	6
11	ZS	3	1	2	1	7
12	HASHED IN	2	0	0	0	2
13	POLESTAR	8	3	5	0	16
14	WINGIFY	3	1	0	0	4
15	MUSIGMA	11	9	0	0	20
16	NINELEAPS	2	0	0	0	2
17	NIIT	1	1	1	0	3
18	KNOLDUS	1	0	0	0	1
19	SMARTER CODE	0	1	0	0	1
20	DAFFODIL	4	0	1	1	6
21	NEWGEN	16	4	0	0	20
22	JOSHTECH	3	1	1	0	5
23	LIBSYS	1	0	0	0	1
24	I H S MARKIT	9	4	0	0	13
25	BRAVURA	1	1	1	0	3
26	AMAZON	1	1	0	0	2
27	QA-INFOTECH	1	0	0	0	1
28	GOOGLE	1	0	0	0	1
29	COMVIVA MAHINDRA	16	2	5	0	23
30	PROCOL TECH	0	1	0	0	1
31	LONGLI	1	1	4	0	6
32	SAMSUNG (R&D)	3	2	2	0	7
33	YAMAHA MOTORS	2	0	0	0	2
34	DARWINBOX	0	1	0	0	1

SR. NO.	COMPANY	BRANCH				
		CSE	IT	ECE	EEE	TOTAL
35	IBM	0	2	0	0	2
36	SERVETEL	1	0	0	0	1
37	PUBLICIS MEDIA	0	0	1	0	1
38	FIS	3	0	2	0	5
39	CAPGEMINI	2	1	6	0	9
40	JARO EDUCATION	0	0	0	1	1
41	RIVIGO	2	0	0	0	2
42	AIR FORCE	0	0	1	0	1
43	3COMMAS	0	1	0	0	1
44	MIND YOUR FLEET	0	1	0	0	1
45	MACQUARIE	0	1	0	0	1
46	GINGERPAN SWAPCART	0	1	0	0	1
47	UNI	0	1	0	0	1
48	TECHMANIC PVT. LTD.	0	1	0	0	1
49	PUDLE	0	1	0	0	1
50	BABEL MEDIA	0	1	0	0	1
51	UNIFY SYSTEMS	0	1	0	0	1
52	SUPP NETRITION PVT. LTD.	0	1	0	0	1
53	BUILD SUPPLY	0	1	0	0	1
54	MAQ SOFTWARE	0	1	0	0	1
55	BOBBLE AI	0	2	0	0	2
56	OODLES TECHNOLOGIES	0	0	1	0	1
57	LIDO LEARNING	0	0	1	0	1
58	MERITNATION	0	0	1	0	1
59	ORBO AI	0	0	1	0	1
60	RTDS	1	0	0	0	1
61	AUJAS NETWORKS PVT. LTD.	1	0	0	0	1
62	ACCOLITE	1	0	0	0	1
63	ASPIRING MINDS	1	0	0	0	1
64	WIPRO	2	0	2	0	4
65	ISH INSTITUTE	1	0	0	0	1
66	VINICULUM PVT. SOLUTION	1	0	0	0	1
67	GEMINI SOLUTION	1	0	0	0	1
	HEADS	162	87	121	21	391
	JOB OFFERS	327	177	209	30	743

Achievements of Placement Department

- There is an active placement department which is part of SMES and headed by Director Placements, Prof. Ashok Oberoi.
- The department has been putting all out efforts for organizing several placement activities throughout the year for both Graduates ie. Students of the MSIT and Undergraduates ie. Students of MSI.
- The placement Department has arranged and setup most wonderful opportunities for our students in various companies of high repute offering excellent work culture and environment also with excellent packages.
- By the persistent efforts of this department multinational companies of international repute like GOOGLE, AMAZON, ADOBE CADENCE keep visiting this campus time and again to recruit our B. Tech students.
- Additionally various bulk-picking companies like Infosys, Accenture, TCS, Musigma, Ion Trading, Mahindra Comviva, Newgen, Libsys etc etc. They also offer a wide range of profiles and packages.
- From the current passing out batch 2020 as of now they have got 743 job offers with some of the students having more than one job offer.
- The process is still going on with students getting the opportunities by taking the online process in view of the COVID-19 PANDEMIC and its impact which doesn't allow the process of in campus events.
- Other out of the box activities initiated by the department include:-
- CONNECT KX PROGRAM of a Berlin based company that will entail students getting an opportunity / platform to do their paid International Virtual Internship in two phases, initially in India and subsequently in Germany. This could also lead to PPO offers in companies of high repute globally.
- The connect KX program which leads to setting up of an 'Incubation and Ideation centre by Connect KX Germany in our campus is available only to a select group of campuses in India.
- RECOGNITION BY WAC (World Assessment Council, BOSTON) :-
- There has been an offer of outstanding awards to this campus both in personal as well as departmental category.
- The award ceremony that was planned earlier in APRIL is now moved to OCT~ NOV 2020 (in wake of Covid-19 pandemic). MDs / CEO's / CTO's of various high stature companies as well as VC's and Founders of some of the elite campuses from all over the world are likely to attend the same.
- This department has maintained a good connect & interaction with various companies to ensure Online recruitment process.
- The campus has managed the highest package of 43 LPA with ADOBE & similar good packages of varying ranges with other companies.

Events and Societies

IEEE and You

The Institute of Electrical and Electronics for Engineers (IEEE) is a professional organization dedicated to the advancement of technology and ideas for the benefit of society. IEEE is the world's largest technical society that provides a platform for various career and networking opportunities, access to vital technical information, and skill-building exercises. IEEE publish several magazines like IEEE Spectrum and IEEE Potentials which are issued monthly.

IEEE MSIT comprises of :-

- IEEE Women In Engineering (WIE) is one of the biggest international affinity group focused on inspiring girls to follow their interests and pursue engineering. It offers various networking opportunities, awards, travel grants, jobs and scholarships to its members.
- IEEE Computer Society (CS) is a technical society that was created to promote and support research related to computer science and its application. It offers it members a variety of resources and services to keep them updated with technology like Computer Edge Magazine, access to its digital library 200+ conferences and many more.
- IEEE Robotics ad Automation Society (RAS) is a professional society whose main objective is research and development in the fields of robotics and automation not only to benefit its member but also humanity. It provides the platform to exchange technical information and ideas using reduced subscription rates for co-sponsored industry publications.
- Power and Energy Society (PES) is the oldest society of IEEE whose mission is to be leading research of the scientific information about electric power and energy for the betterment of society. Its members derive numerous benefits from it like free subscription to PES magazines and free access to technical tutorials, reports, presentations etc. IEEE India has instituted the IEEE PES India Scholarship Award (IPISA) to provide adequate opportunities and exposure to selected students.

IEEE Orientation

On August 29, 2019, introduction to IEEE was conducted for students. All chapter heads, Vice chairpersons and chairperson shared their experience in IEEE and Each Chapter Head informed the students about their respective chapters, the events and accomplishments of the past year.

We displayed all our working projects and accomplishments such as engraving machine, a drone and other interesting projects were displayed and Students were also briefed about the new AWP-PCB lab and other resources which could be used to build their own projects/ideas. At there were a few fun activity and quiz sessions. They were all also introduced to (Executive commitee). We circulated the forms to join IEEE MSIT .The orientation showed an immense response from the students.



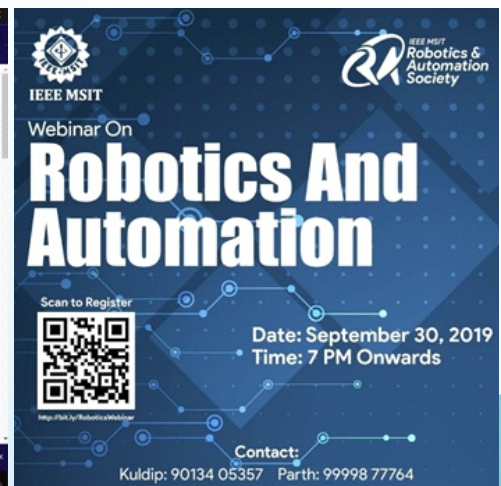
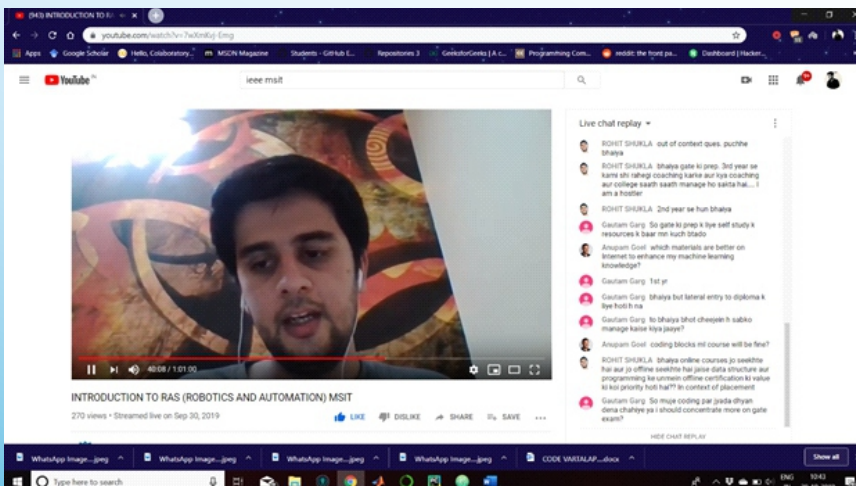
CODE वार्तालाप

On 16th September, 2019 in Seminar Hall 206, the event started with an introduction of IEEE CS chapter by Dr. Savita Ahlawat. Ms. Yukti Mohan introduced students with different domains and fields in Computer Science to pursue and gave an overview of them. Mr. Jatin Bindra and Mr. Aditya Gupta informed the audience about the benefits of taking IEEE CS membership and how it could help them in their professional life. Mr. Ankush Garg cleared doubts regarding technical or non-technical things. Mr. Brayam Abraham highlighted common problems in college life and ways to face them. The event was concluded by Mr. Abhishek Parashar sharing information about contests and hackathons.



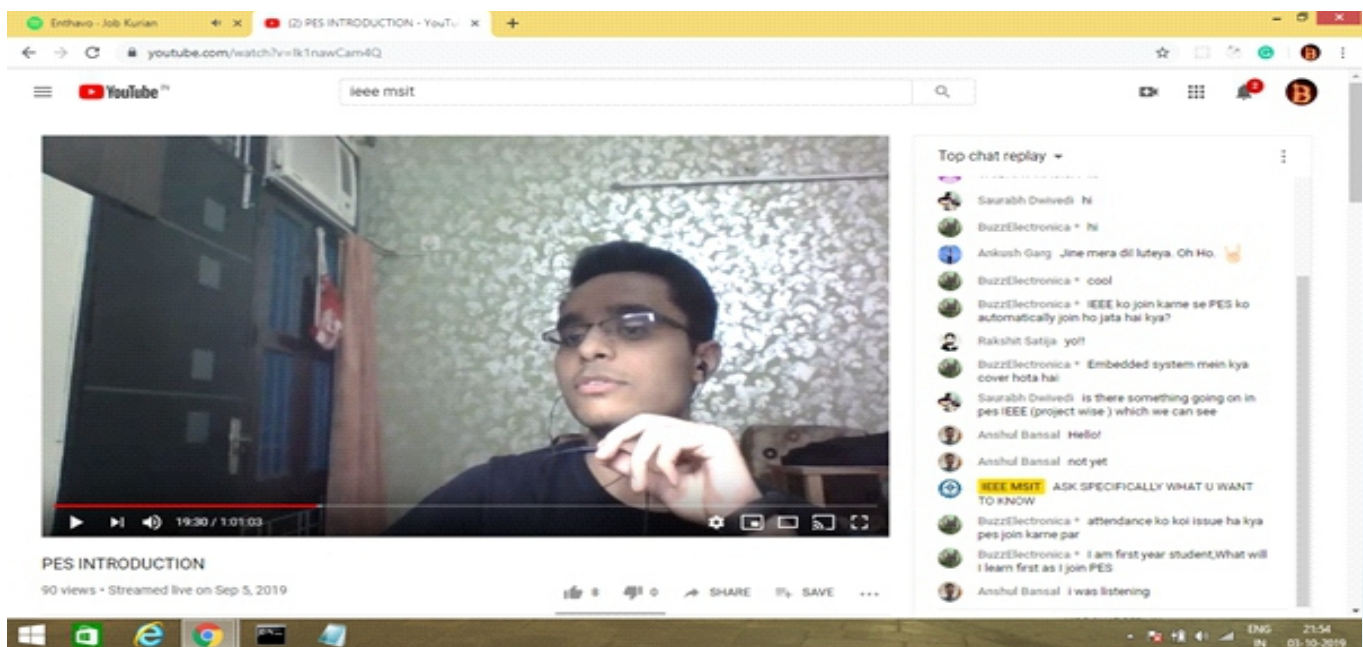
Webinar on Robotics and Automation

On 30th September 2019, an online event was conducted on IEEE MSIT official YouTube channel by RAS MSIT. In the event Mr. Abhishek Parashar explained skill set required for Robotics and Automation and related job opportunities and different projects. The webinar was attended by more than 270 students.



Intoduction to PES (Webinar)

The event on October 16th,2019, conducted Online, was an interactive session that began with a quick introduction of IEEE and PES, where the speaker, Mr. Sidhant Bhat, Chairperson IEEE PES MSIT, enlightened the students with the benefits of IEEE PES membership in their professional and daily lives. The discussion was centred around the scope in electrical engineering and the importance of hardware in product-based project development. Past projects and achievements were also discussed which encourages students to explore and learn. Keeping it an interactive session, student's doubts in the comment section were also discussed and cleared.



WIE TECH TALK

An interactive session was organized to inform the students about the various technical buzzwords. Guest speakers included Ms. Deepali Jain, alumna of MSIT and past WIE chairperson, Sabarni Kundu, Machine learning enthusiast, and Ms. Priya Singh, winner of various hackathons. The event saw a participation of 62 students and discussed, Scholarship opportunities for women undergraduates, Scope of various coding language and their job opportunities, Research paper collaboration techniques and real life industrial experiences., Queries relating to students opting for non-technical fields.



Data Structures & Algorithms

IEEE WIE MSIT and IEEE CS MSIT in collaboration with Coding Ninjas organized a workshop on Data Structures and Algorithm on October 16, 2019. Coding Ninjas is an education start-up founded by some smart engineers, graduated from one of the best engineering colleges from our country. They offer coaching and provide awareness regarding competitive programming to students. The workshop started with introduction to the importance of starting coding practices early. The speaker, Ms. Nidhi Aggarwal, teacher of Coding Ninjas, explained basics of data structures, need of data structures and algorithms and discussed some good coding problems.



Workshop on Electronics and Circuit Design

On 17th October 2019, at AWP PCB lab MSIT the 'Workshop on Electronics and Circuit Design' was organised by IEEE MSIT Awp pcb lab. Over 35 participants from various engineering fields, participated to learn how to make an LED Chaser. Soldering of joints was the main step in order to build a successful LED chaser. The last phase in building a LED chaser was testing the circuit. In successful circuits, the LEDs lit up in a sequence, sending a wave of happiness among all the participants. The event was successfully concluded with participants thanking the IEEE MSIT Lab team to give them a great opportunity to learn.



Progress and Power

IEEE PES MSIT in collaboration with Electrical and Electronics Engineering Department, MSIT organized an expert lecture on 17th October, 2019, Seminar Hall 006. Dr G. Bhuvaneshwari, professor at IIT Delhi, Electrical Engineering Department, was invited as the expert for the lecture on 'DC-DC Converter'. With an aim of clearing the concepts of Power electronics which is a crucial field, the lecture witnessed curious minds holding a healthy discussion about recent trends and advances. The concentration of the expert lecture was Non-Isolated DC-DC Converters, Isolated DC-DC Converters and Power Supply Applications.



Arduino 101

IEEE RAS MSIT in collaboration with IEEE CS MSIT conducted a hands-on workshop on Arduino on 22nd October, 2019 from 12 a.m. to 2 p.m. at common room, room no. 608.

The event was conducted by RAS MSIT members. The event started off with discussion on automation and why we need Arduino. The speaker Mr. Abhishek Parashar taught some basic concepts about Arduino, I.O.T and automation. The students were then taught about basic Arduino programming. The event concluded with each student making their own LDR project using Arduino.



STAR Program

IEEE WIE MSIT organized a STAR program, a workshop on October 24th, 2019, on carrier counselling at Govt. Senior Secondary School, Jacubpur, Gurgaon(Haryana) for the students of class 9th . The main aim of the workshop is to make students aware of the different engineering fields and professions associated with it. The event started at 11:30am with a strength of about 100 girls in the auditorium. Ms. Urvi Choudhary explained about WIE and the objective of the workshop followed by Ms. Kriti who explained about the involvement of mathematics and science in our day-to- day lives. WIE volunteers actively participated in the event and described contribution of engineering to development and the various domains of future innovation in engineering.



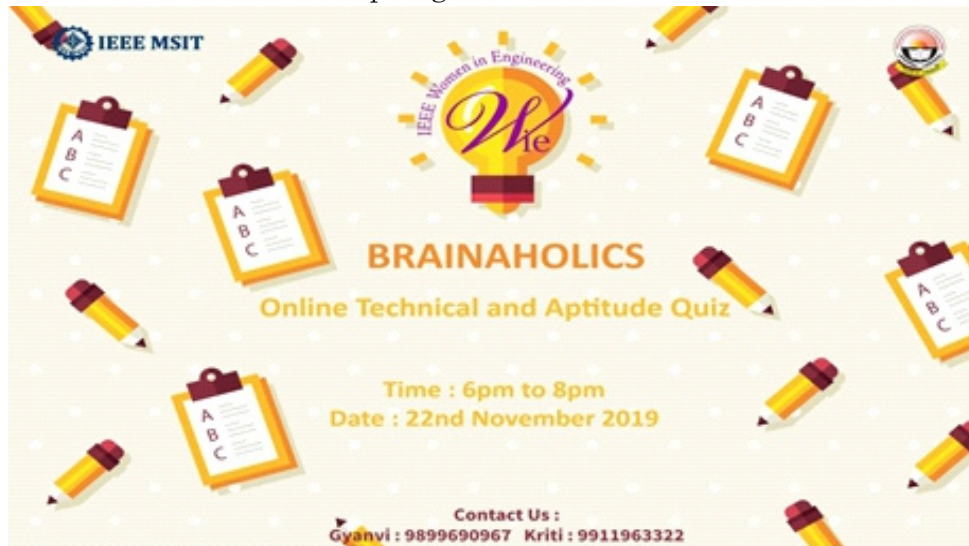
Android 101

IEEE CS MSIT conducted an introductory hands-on session on Android on 4th November 2019 from 12 a.m. to 1:30 a.m. at Seminar hall no. 406. The session started with Mr. Jatin Bindra presenting his first live app made by him during his 3rd semester. He then made students aware of the history of Android and the huge market held by Android and the scope of exploring this technological field. The session concluded with him showcasing his Android applications MSIT Connect and Type-1 Diabetes, which encouraged the students to make similar Real-World Problem-solving applications.



Brainholics

IEEE WIE MSIT organized an online Aptitude and Technical Quiz competition BRAINAHOLICS on November 22nd, 2019. The quiz consisted of 30 questions covering various topics like Data structures, Basic mathematics, verbal reasoning, non-verbal reasoning. The duration of the quiz was 35 minutes and a total of 50 students from colleges all over Delhi and from all the years participated in the competition. Winners of the quiz were awarded with motivational and inspiring novels.



Bibliotica Launch

On 20 November, 2019 Bibliotica was launched as an extraordinary assistance for reducing manual work of library staff, and as a step to total automation of the library. Dr. KP Chaudhary and Dr. Rachita Rana, the directors of MSIT and MSI were part of the launch along with library staff and department heads. The occasion began with a PowerPoint introduction on the product. The booklets were circulated among the staff present there. The working of bibliotica was shown and was finished by a video which demonstrated the situation of the library alongside the students of the group sharing their experience.



HACK-XPRESS

IEEE WIE MSIT in collaboration with AVENSIS'20- The Technical fest of MSIT organized a hackathon, Hack-Xpress on 8th -9th January, 2020 where students with different mindsets come together to use tech to hack into real world problem. The sole purpose of the event was to create a usable software based on the theme provided. The event was divided into three different phases- Online Registration, Building of Project and the final presentation.



Breezing through GSoC

IEEE WIE MSIT organized an event Breezing through GSoC covering what?, when? and how? of Google Summer of code 2020 on January 28th, 2020. Former GSoCer Mr. Sanyam Dogra, student of MSIT was invited as the chief speaker to guide the aspiring students. The event started with an introduction to the GSoC followed by several guidelines given to students like advantages of active GitHub profiles, exposure of working in different environment and with different people. Mr. Sanyam Dogra also shared his experience of working with 'Developers Italia', as a GSoCer in 2019 with more than 100 students attending the seminar.



Profile Building Workshop

A profile building workshop was conducted by the IEEE Computer Society on 12th February 2020 in Seminar hall number 06 from 12 p.m. to 2 p.m. The speaker, Mr. Sahil Khurana is an alumnus of MSIT, currently working as a Software Engineer at Karma Circles. He was previously a software engineering intern at FreshWorks and KarmaCircles. The audience comprised of 30 students, mostly, 2nd-year students. The event was delayed due to the untimely conclusion of the previous event.

The speaker presented various ideas to enhance the resume and shared tips and tricks to make the resume stand out. He talked about the key points to be included in the resume with few sample of both good and bad resumes. He stressed on need to build and maintain LinkedIn profiles and their use in exploring for internships opportunities.



PEP TALK

On, 26 February 2020, the event was conducted by Sumeet Malik, the founder of PepCoding. The main motive of the event was to guide students about 'How to get placed in tech giants?' The speaker highlighted the mistakes to be avoided while coding, strategies to study to get placed in any tech giant, tricks to crack interviews and significance of non-technical factors that are essential to ace any interview. 120 students attended the event.



Star Program

WIE IEEE MSIT in collaboration with Rotaract Club of New Delhi Next organized a Star Program (Drawing competition followed by an interactive session on the theme of 'Water conservation' among the kids of age group 8 to 16 at Bal Sewa orphanage near Nawada Metro Station, New Delhi on February 22, 2020. The session started at 10 a.m. with an educative session of an hour highlighting water conservation practices and the hazards of misuse of the available fresh water sources. The kids were given the stationary and various colors for showing their creative talents in poster making and winners were awarded with prizes.



PCB (Printed Circuit Board) Designing Workshop

IEEE MSIT AWP-PCB lab organized a PCB (printed circuit board) designing workshop on 24th February, 2020. (PCB) design brings the electronic circuits to life using different software (such as EAGLE, kiCAD etc). The workshop aimed to provide knowledge about simulation tool to test electronics and electrical circuit in software environment. For this purpose PCB design software named EAGLE was used



Raunak

On 24th October, 2019, OCTAVE Music Society orchestrated “Raunak”. On Diwali, students of the society organized an open jamming near the canteen, 12 p.m onwards. Over 20 students were involved in organising and more than 300 students contributed for this good cause during the event. The students of the society performed for more than 2 hours and managed to gather a huge audience and almost everyone among the audience and collected over EIGHT THOUSAND RUPEES. This money was utilized for the children of Bal Seva Orphanage on 30 October 2019.



MOSSIQUI

MOSSIQUI took place on 27th August from 9a.m. onwards in the seminar room. This event was meant for auditioning the new musical talent we received in our college this year, along with the auditions it served as a reunion for all the alumni which in their time, were associated with music and were part of OCTAVE.

Mossiqui saw massive participation from the students and teachers alike. The day was all about celebrating music and over 150 students auditioned to become a member of Octave. Everyone's effort made this event a huge success!!



International Organization of Software Developers-MSIT

Under IOSD-MSIT. We conducted many successful events and SIGs. In the Hackathon- HackMsit, we received over 320 registrations out of which a few teams were selected, battling each other for the price of Thirty Thousand. The Hackathon was won by team OkPic from college Bharti Vidyapith College of Engineering. Our orientation recorded a strength of over 100 students, all enthusiastic and curious for adventures.

International Conference on Artificial Intelligence



A two day International Conference on Artificial Intelligence and Applications (ICAIA2020) was organized by Maharaja Surajmal Institute of Technology, February 6-7, 2020. The conference was structured in eight sessions. It commenced with a talk by Dr. Bhuvanesh “Bhuvan” Unhelkar, PhD, FACS, Associate Professor, and University of South Florida Sarasota-Manatee, Florida, USA who deliberated upon computing in business applications and machine learning. Prof. Smriti Srivastava, Professor, Instrumentation and Control Engineering, Netaji Subhas University of Technology, New Dehi, India presented a talk on Meta-heuristic optimization algorithms. She stressed on the same as it is becoming more and more popular in engineering applications. Dr. Toshiyuki Takatsuji, Director, Research Institute for Engineering Measurement, National Metrology Institute of Japan, Advanced Industrial Science and Technology, Japan delivered a talk on Information Technology, IoT, AI. Following the talks by distinguished speakers four parallel paper sessions were conducted.

Art Attack



Akriti Raj
EEE - FIRST YEAR



NIKHIL PANWAR
CSE(MORNING) - FIRST YEAR



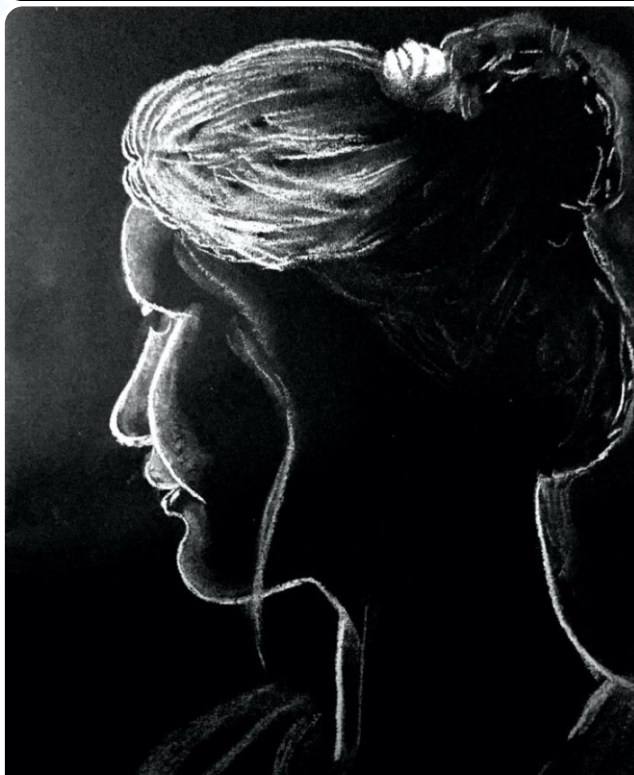
Vachali
IT - FOURTH YEAR



NIKHIL PANWAR
CSE(MORNING) - FIRST YEAR



NIKHIL PANWAR
CSE(MORNING) - FIRST YEAR



Shreya Upadhyay
EEE - SECOND YEAR



Sanya Singh
ECE2 - THIRD YEAR



NIKHIL PANWAR
CSE(MORNING) - FIRST YEAR



Shreya Upadhyay
EEE - SECOND YEAR



Aman Singhal
EEE - SECOND YEAR



Sanya Singh



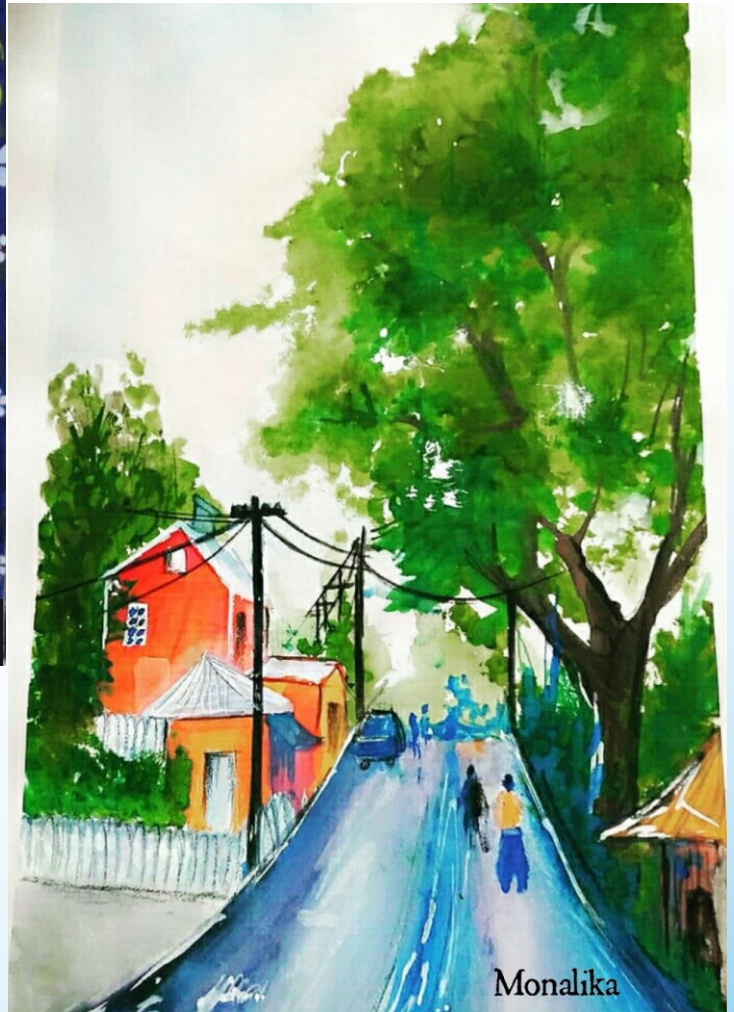
Sanya Singh



Deepanshu Aggarwal
CSE(2S) - FIRST YEAR



Sanya Singh



Monalika

GEMS OF MSIT

(I SHIFT)



Bineet Singh



Aarzoo Sehgal



Shivam Kapoor

4th YEAR CSE



Paras Jain



Varun Taneja



Tanya Ojha

3rd YEAR CSE



Maryada Sharma

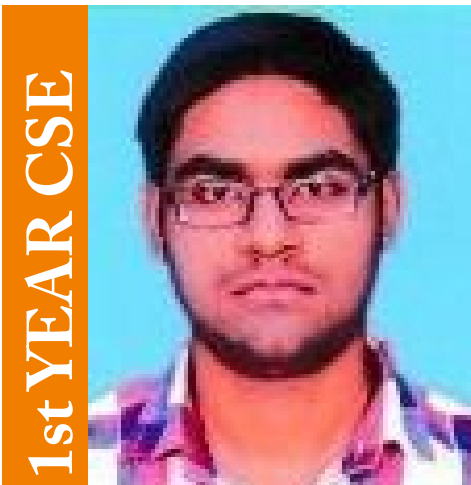


Tamanna Jain



Gaurav Arora

2nd YEAR CSE



Ashwani Kumar Pandey



Chirag Wadhwa



Ankur Gupta

1st YEAR CSE



Anarbha Tyagi



Komal Bansal



Abhishek Kumar Verma

4th YEAR IT



Neha Dohare



Chhavi Bansal



Tushar

3rd YEAR IT



Preeti Bidhan



Rohit Yadav



Muskan Mahajan

2nd YEAR IT



Prachi Jha



Yashitika Kakkar



Ashish Kumar

1st YEAR IT



Bhargavi Rohil



Shagun Gupta

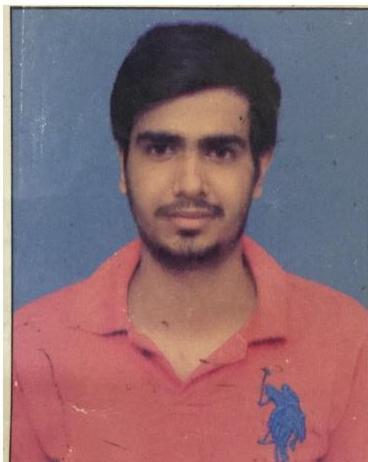


Priyanka Dogra

4th YEAR ECE



Abhishek Kapoor



Pushkar Malhotra



Nikita Mittal

3rd YEAR ECE



Samridhi Prabhakar Raut



Sarthak Valecha



Sayoni Ghosh

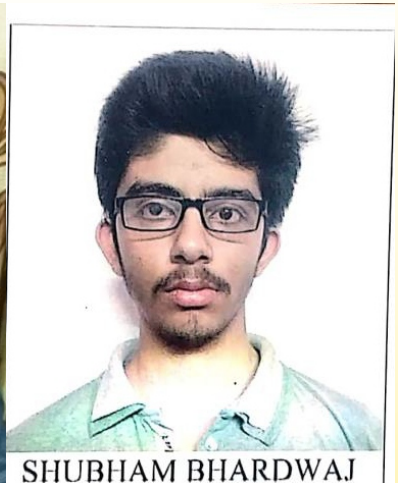
2nd YEAR ECE



Ritika



Rahul Arora



SHUBHAM BHARDWAJ

Shubham Bhardwaj

1st YEAR ECE



Chetan Atrai



Ashar Mahmoodi



Shreyas Piplani

4th YEAR EEE



Gagandeep



Ashutosh Das



Chiranjeev Singh

3rd YEAR EEE



Baibhav Bajpai



Ashish Verma



Shubham Verma

2nd YEAR EEE



Saloni Vats



Gaurja Babbar



Utsav Kumar

1st YEAR EEE

(II SHIFT)



N. Shrestha Ready



Jaskunwar Singh Narang



Raounak Sharma

4th YEAR CSE



Anshu



Deepanshi Dabas



Neeraj Sharma

3rd YEAR CSE



Adhisakshya Chauhan



Muskan Chandwani



Namrata Valecha

2nd YEAR CSE



Shubham Sharma



Rohit Rajput



Shivam Thakur

1st YEAR CSE



Shubham Gupta



Jasleen Kaur



Reya Raya

4th YEAR IT



Anuj Ahuja



Shrishti Soni



Shruti Jain

3rd YEAR IT



Maerushee Banyal

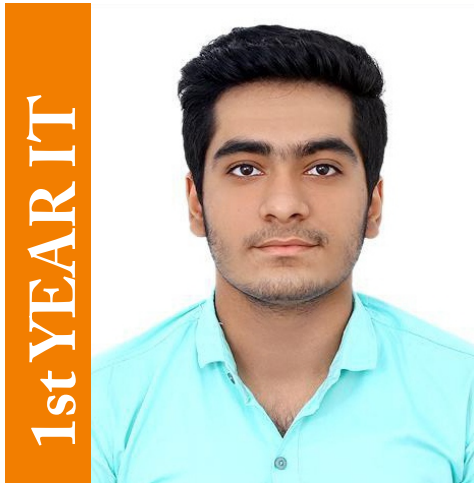


Manya Jain



Muskan Hussain

2nd YEAR IT



Deckshant Wadhwa



Vaibhav Yadav



Riya Singh

1st YEAR IT



Sheshank



Shivesh Navin



Alpana Shekher

4th YEAR ECE



Khushboo Singhal



Surya Narayan Av



Mansi Gupta

3rd YEAR ECE



Gyanvi Agarwal



Varnika Singhal



Vaibhav Bhasin

2nd YEAR ECE



Aakash Singla



Kishu Rai



Kartik Verma

1st YEAR ECE

World of Words

Icarus and the Sun

Do you think Icarus knew what he was doing?
You think he knew he would die?
You think he was so in love with the sun,
He died so he could be just a little closer?
You think when he lost all his feathers,
And the last bit of wax melted.
He smiled,
Because he finally touched the sun?
You think when he was a prisoner
He looked upto the sky
Saw the sun smiling at him
And promised himself
One day he would fly beside it?
You think he loved the sun so much
He would happily burn
Just to be with it?
You think when he was flying
He gave up all his self control
And set himself on fire
To live forever with his sun?
Do you think he regret it?
Falling so he could fly?
Even if just a moment?
But do you think the sun lived him too?

You think he believes
He always hurt the ones he love?
You think he saw the death of his love
Because of a fault of his
And himself so much
He never loved someone after that?
You think Apollo saw this boy
Staring up at him
And telling him with hope in his eyes
That he would fly beside him?
You think when all the feathers fell
And the last bit if wax melted
He smiled
Because he was finally with his love?
You think he cried
And the sky was in grief for weeks
Because his precious Icarus died
And took his heart with him?
You think some part of him
Died when Icarus fell?
You think he regrets it?
Dying so he could live?
Even if just a moment?

*Aman Subag
BTECH
ECE 1
1st Year*

Carry On

"One fine evening, I saw a woman,
walking down the lake, with her old man.
She was smiling, smiling too much.
It felt weird, seemed like she was pretending too much.
That big smile, that was hiding away her pain,
don't know why, she can't let it drain.
Then I realized, isn't it what we all do.
Live for others, keeping ourselves due.
Pretending to be happy, no sign of sorrow,
smiling every time, like there's no tomorrow.
But let's carry on, carry on till the end,
because there's nothing, you can do, my friend."

The broken spectacles

"One fine evening, I saw a woman,
walking down the lake, with her old man.
She was smiling, smiling too much.
It felt weird, seemed like she was pretending too much.
That big smile, that was hiding away her pain,
don't know why, she can't let it drain.
Then I realized, isn't it what we all do.
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Pretending to be happy, no sign of sorrow,
smiling every time, like there's no tomorrow.
But let's carry on, carry on till the end,
because there's nothing, you can do, my friend."

*Supriyo chandra
ECE evening
Second semester
Enrollment no- 01796302819*

That Someone is Moon

Moon has always been the embodiment of loneliness,
fear, and darkness,
But to me, It's the most beautiful gem.
As when I feel the night's air,
under the moon's light,
I do not need to hide my sadness.
I can cry as much as I want,
because I know that
The moon will keep shining
and lightning up my soul,
As, if he is looking out for me,
As, if he is my only hope!

Divyanshi Sharma (aka Eternal Aura)

Beautifully Unnatural

You open your eyes, you feel the warmth of sun on your skin
You feel good, you feel free and you realize that you are no more trapped,
Trapped in the prison you created yourself,
Prison of everlasting darkness, and nightmares.
Where the only thing you could hear were the whispers
Whispers of the demons in your mind and in your path of glory.
You feel happy, and this my love is the life, souls like you deserve.

Divyanshi Sharma (aka Eternal Aura)

ECE-E, 2nd sem

Enrollment No. 02696302819

<https://eternalaura15.blogspot.com/>

अभिव्यक्ति

एहसास जिम्मदारियों का ...

लकड़ी की कुर्सी पर बैठा था
एक दिन मैं कुछ सोच रहा था...
तभी मुझे अपनी जिम्मदारियों का थोड़ा एहसास हुआ था

मोज मस्ती की दुनिया से बाहर आ कर अब मुझे भी कुछ करना है
परिवार ने जो किया है मेरे लिए...मुझे उसका हिसाब भी भरना है

कुछ जरूरतें हैं...कुछ सपने हैं..कुछ इच्छाएं मन्न में आती हैं
शायद इस तरह ज़िन्दगी हमें अपना
नया रूप दिखती है
नए पड़ाव पर लाती है

मंज़िल के रास्ते पर कोहरा है
थोड़ी धुंध भी छाई है
पर आगे मुझे भड़ना है
यह कसम मैंने खाई है

अंतर मन

लिखना चाहता था कुछ ,
पर शायद अब ना लिख पाऊंगा |
पर एक दिन आएगा जब मैं आऊंगा ,
शब्दों का ज्वाला अपने साथ लाऊंगा |
ना दर्द से बगावत होगी ,
ना गमों को इज़ाज़त होगी |
सिर्फ खुशियाँ और खुशियों के श्रोत होंगे ,
मौसम हो न हो पर अच्छे हालत होंगे |
धड़कन पढने का चोचला ना होगा ,
ना होगी आँखों की लड़ाई |
अगर कुछ होगा तो बस मैं और मेरी तन्हाई |
शब्दों का खेल बहुत निराला है ,
कुछ पल ही ठहरने वाला है ,
समेटना है तो समेट लो कोरे पन्नो में |
फिर पता नहीं कब ऐसे जज़्बात होंगे |||

सफर लंबा होगा इतनी भनक मुझे है
नई राह होगी भटक जाऊंगा यह डर मुझे है
अगर भटक भी गया तो क्या होगा..
नई रास्तों का अनुभव भी तो साथ होगा

यही बातें ध्यान रख कर
कदम भड़ा रहा हूं मैं
जो जरूरतें .. जो सपने और जो इच्छाएं थी
उन्हें पलको में दबा कर बस चलते जा रहा हूं मैं

NIHAL GUPTA

CSE-2

E.No. 07515002719

Name - Rishabh Kumar

Branch - ECE (evening shift)

Enrollment no.- 03096302819

Alumni Voices



Tell us something about yourself.

I graduated two years back from the EEE department of MSIT. Since then I'm working with Altran as a Software Engineer. My work at Altran finds me investing my knowledge in the development of the telecommunication industry for 4G and 5G technology.

Journey from MSIT to your current workplace:

Rashika Mann I graduated from MSIT in 2018 and my perseverance got me an opportunity to work as
Software Engineer, ALTRAN Software Engineer at ALTRAN. In my project at INTEL I was introduced to varied client demands and I developed concise solutions thereby improving the quality of services delivered. My experience here exposed me to incorporation of market research and its significance in designing products in this digital era.

Suggestions to MSITians?

I only want to say that follow your passions and thrive to do your best in that. One must be very clear what they want to do professionally and then shape their learning path accordingly. You should always be clear about your goal and work according to that.

What do you miss the most about MSIT?

I miss my friends and some of my teachers who became a family to me.

Ways to prepare for placements:

Find your area of interest and what you want to choose as your career path. What you feel the most passionate about. Then study according to that, if you want to go into IT sector develop good coding skills they will be very helpful not just during your placements but also in the long run. Always dive deeper into your field of interest. Big IT firms need an individual with good technical knowledge as well as with good presentation and communication skills.

Tell us something about yourself.

I'm Mansi Jaitly, and I graduated from MSIT as the 1st position holder of CSE Batch 2014-18. After graduating, I pursued my Masters in Computer Science from one of the top universities in the world, the University of Southern California (Fight On!). Flash forward to two years, in 2020, I graduated with a Master's degree, and am now working at the world's largest online retailer, Amazon, as a Software Developer in the Seattle office of the AWS Linux Organization.



Mansi Jaitly

Software Development Engineer, AWS

*University of Southern California Alumni
(MS in CS)*

Schlumberger (Data Scientist Intern)

*Massachusetts Institute of Technology
(Visiting Research Student)*

Journey from MSIT to your current workplace:

Through internships at the Indian Institute of Technology, Delhi, and Massachusetts Institute of Technology during my undergrad at MSIT, I knew that I don't want to stop here, and I want to pursue higher education at a global level. The summer work, personal projects along with good grades awarded me with admits from top universities in the world. At USC, the flexibility of choosing courses allowed me to pursue my interests in Artificial Intelligence and Machine Learning. It led to my summer internship and spring co-op as a Data Scientist at Schlumberger, the world's leading oilfield services provider. I worked on projects that brought ML aspects of solving problems into my team. Schlumberger applied for a patent on my summer work and listed me as the sole inventor. It reinforced my belief in "Hard work never goes unnoticed." I was also offered a full-time Data Scientist position that is usually offered only to candidates with at least a Ph.D.! I decided to join Amazon's AWS Linux Org. My team does a lot of core work, it's challenging, and I enjoy that!

Suggestions to MSITians?

Take that first step! Taking the first step is perhaps the most difficult thing to do in achieving a dream. Second, don't be afraid of rejections or failures. I had never thought that I would be able to work and learn at MIT, but I did. It didn't happen overnight, it involved a lot of research, tons of emails I have never received replies to, or emails with "Sorry, there is no opening right now"! Even Schlumberger and Amazon weren't the only two companies I applied to. Before those offers, there were several job applications, interviews, and of course rejections. So don't let those failures or rejections stop you or that fear of the first step. Network, email, reach-out, research, and don't be afraid to ask for help!

What do you miss the most about MSIT?

I found a few of my closet friends in MSIT. I miss our metro rides together to college and the crash courses I used to give them during our metro ride to the examination center!

Ways to prepare for placements:

Find and highlight what makes you unique. Sure we all CS students learned and wrote "Hello World" in many programming languages, but how you use them to fuel your passion makes you unique! Give the interviewer or the person who will read your SOP application for higher education something to remember 'you' amongst those piles of resumes and SOPs. In my opinion, for students, summer is a very crucial time to invest in yourself, learn or refine skills, explore your interests, and not just follow the trend. Also, don't forget to build strong basics like algorithm design, data structures, or whatever forms the basis of your domain, because they will help you cross the first few rounds of interviews. Your passion and skills will help you get the job or that acceptance letter.



Manisha Rathee
Scientist, ISRO

Tell us something about yourself.

Born and brought up in a small village in Haryana, I started my early academic pursuit under the caring guidance of my grandparents. Despite being illiterate, my visionary grandfather provided me a nurturing environment to grow by sharing his wisdom through stories and puzzles. Those stories helped me in development of moral excellence and puzzles instilled the process of intellectual insights. I was taught to become curious and courageous to find a meaningful way in life. My parents always encouraged me for higher studies and supported me in all my decisions. It was only my father's hard work and motivation that after completing my 10th standard from S.D. High School, Lakhan-Majra village, I could get admission with 100% scholarship in Ganga International School, Delhi. After completing 12th from there, I joined MSIT for B.Tech. in CSE. I consider myself lucky to have wonderful teachers throughout my academic journey. I would like to take this opportunity to thank all of them for providing an excellent ambience of learning that extended my knowledge level and enhanced my personality.

Journey from MSIT to your current workplace:

I joined MSIT for B.Tech. in CSE. MSIT is one of the best colleges in IP University and I feel proud for being a part of its rich legacy. CSE department had learned and experienced faculty members who helped me to build a strong foundation of computer science subjects. Apart from academics, the institute also provided for personal and professional development by organizing a number of seminars, tech fests, cultural fest and sports events thereby resulting into holistic development of the students.

After MSIT, I enrolled in M.Tech/Ph.D in JNU. There along with my mainstream studies, I also got exposure to different areas which range from historical studies to a spectrum of philosophical thoughts, from economical situation to several social aspects, from political differences to ethical issues, from environmental challenges to the future of mankind. The discussions about these topics motivated me to explore the realm of knowledge further and the inter-planetary missions of ISRO influenced me to pursue my career as a scientist in ISRO. ISRO provides a fascinating working culture and we feel motivated by working in a very dedicated and passionate environment.

Suggestions to MSITians?

Everybody is supposed to choose their own meaningful path in their life, yet regarding the career in field of IT and technology; I would like to say there is tremendous scope in this area. IT is the only one such area which has applicability in every other area be it education, healthcare, communication, transportation, city management, banking, agriculture, entertainment to name a few. I believe we are still scratching the surface of huge possibilities that IT can provide. Knowledge, creativity and innovation can help us a lot to explore these possibilities and address a number of current and future issues in India. Keeping ourselves updated about the latest and state of art technology along with the current and future job demands and preparation accordingly can help us to achieve our desired career goals.

What do you miss the most about MSIT?

I like MSIT for its jubilant surrounding and for the learned and dedicated staff.

Things you would like to improve about MSIT.:

MSIT provides a splendid nurturing environment which helps in fostering all-round development of the students. The field of science and technology, especially computer science, is evolving and rapidly expanding. Therefore, in my opinion, making syllabus more adaptive by introducing interdisciplinary subjects and having industry partnership can assist students to lead in this dynamic job market and help them to achieve their desired career objectives. Also, subscribing to the reputed journals like IEEE and Elsevier etc. will help students to get quality content. Moreover, steps can be taken to improve the infrastructure.



Maharaja Surajmal Institute of Technology

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