

MAHARAJA SURAJMAL INSTITUTE OF TECHNOLOGY



Striving For Excellence



Information Bulletin 2020

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Surajmal Memorial Education Society was founded to perpetuate the memory of greatest Maharaja Surajmal, a great patriot, warrior & enlightened ruler of Bharatpur during the 18th century. The society was registered on 13 Nov. 1972 under society registration act 1860. The main aim of the society is to disseminate quality education in all fields, especially in technical & professional areas for the benefit of the people, particularly those residing in rural areas of India. The society is made up of eminent academicians, professionals, technocrats, officers & leaders. There are more than 9000 members of the society from all over the country, but most members are from Delhi, UP, Haryana & Rajasthan.

Maharaja Surajmal Institute of Technology

To emulate & cherish the great qualities of Maharaja Surajmal, the ‘Surajmal Memorial Education Society’ was found in 1972 at Janakpuri, New Delhi with an 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 programs were started in 1982 with introduction of Certificate and Diploma Courses in various technical streams. The ‘Maharaja Surajmal Institute of Technology’ was established in 2001 with the approval of AICTE and was affiliated to the “Guru Gobind Singh Indraprastha University ” for conducting various four years B.Tech. programs with the first academic session beginning in Aug. 2001.

(Approved by AICTE, Recognized with 2(f) & 12 (b)
of UGC Act, Affiliated to GGSIPU)
C-4, Janakpuri, New Delhi -110058

*A reputed educational Institute of Delhi established by eminent leaders
under the aegis of SMES, comprising erudite academicians.*

Significant Achievements

- NBA accredited
- NAAC Grade “A” accredited
- MSIT has been ranked 3rd in North Zone and 18th across India among top private Engineering Colleges by India Today Magazine 2020.
- Best Private Engineering College in Delhi – (survey Dialogue India-2018)
- Ranked in the band (251-300) in NIRF by Ministry of HRD
- “Outstanding Technical Institution” award by NITTTR, Chandigarh
- Diamond Eye Award for quality commitment and excellence in education from OMAC, Paris
- ISO Certified Institute (9001 :2015)
- Prominently appears in the IP University tally of Gold Medals in academics and sports since 2005
- “A” grade Institute as per State fee Regularity Committee Delhi
- Excellent Placement Record in reputed companies
- Financial support to the bright students
- Highly experienced, qualified and research-oriented faculty.

Key Amenities: State-of-art Laboratories and infrastructure with lush green Campus, Library with rich collection of books and journals, High speed Internet and Wi-Fi connectivity, Internships in reputed organizations such as MIT, INSA, IIT, NPL, DRDO, NIC etc., Hostel and mess facility for girls and boys, Banking facility.

Chairman's Message



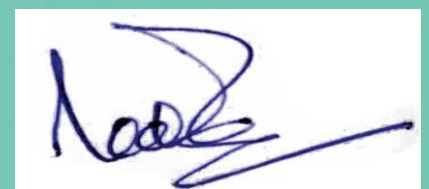
Dear Students,

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 education. It empowers students with the requisite skills required to excel and confront challenges in the future.

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 for citizens. It is the aim of Maharaja Surajmal Institute of Technology to produce young, bright, and dynamic engineers who can contribute to the growth and bring name and fame to the Institute and the country. The Institute provides an education that encompasses everything from technological innovations to state-of-the-art global technologies, as well as comprehensive training to develop entrepreneurial and managerial skills.

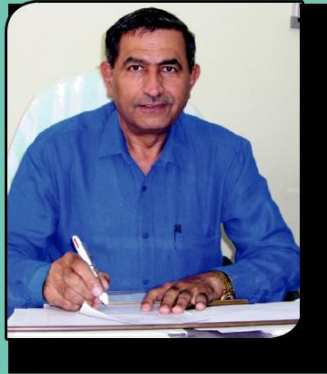
The Institute is well located in the heart of the city to allow easy commuting to the students. It has excellent infrastructure which supplements high-quality education. The institute provides all facilities for the overall growth of the students. A dedicated faculty and an efficient administration ensure that the students get a good academic environment and the best facilities to prepare them well for the outside world.

We aim at being the Institute where students come not only to study and get exceptional placements but also for their complete holistic development.

A handwritten signature in blue ink, appearing to read 'Kaptan Singh', written on a white background.

(Kaptan Singh)

Director's Message



Dear Students,

MSIT is an institute dedicated to the proper growth and development of each student for a better career prospect. Our students have successfully established themselves in all sectors be it government, private or public to serve the country in various capacities. The infrastructure has been developed with 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 established itself as a center of excellence in undergraduate engineering education by consistently producing University toppers since the very first graduating batch of 2005.

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. Excellent placements of our students year after year are 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.

Prof.(Dr)K.P. Chaudhary
(Director)

Governing Body of MSIT

1. Sh. Kaptan Singh	Nominee of the Surajmal Memorial Education Society
2. Dr. Udai Veer Singh	Nominee of the Surajmal Memorial Education Society
3. Smt. Esha Jakhar	Nominee of the Surajmal Memorial Education Society
4. Sh. B.D. Dabas	Nominee of the Surajmal Memorial Education Society
5. Sh. Ajit Singh Chaudhary	Nominee of the Surajmal Memorial Education Society
6. Sh. Rajpal Singh Solanki	Nominee of the Surajmal Memorial Education Society
7. Sh. Shyam Singh	Nominee of the Surajmal Memorial Education Society
8. Prof. Prem Vrat	Nominee of the Surajmal Memorial Education Society
9. Sh. Sanjeev Kumar	Nominee of the Surajmal Memorial Education Society
10. Capt. Rudrasen Sindhu	Representative of Industry
11. Sh. Subhash Chaudhary	Representative of Industry
12. Dr. Ajay Ghalot	Teacher's Representative
13. Dr. Aman K. Dahiya	Teacher's Representative
14. Dr. Pradeep Sangwan	Teacher's Representative
15. Dr. A. K. Singh	Deputy Director 2 nd Shift
16. Dr. K.P. Choudhary	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-year B. Tech. Programs. In the first shift, CSE branch has an intake of 180 students each; ECE & IT branches have an intake of 120 students each. EEE branch has an intake of 60 students each. In the second shift, CSE, IT & ECE branches have an intake of 60 students each. All the courses have the approval of all India Council of Technical Education and affiliated to Guru Gobind Singh Indraprastha University, New Delhi.

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

** Detailed syllabus of the above mentioned courses is available at institute website <http://msit.in/syllabus> as well as at <http://ipu.ac.in/univsyllabus/btechsyllabus010813/syllbtechusetmain.htm>

Admission Process and Eligibility

Eligibility Criteria:

For B. Tech.

Pass in 12th Class of 10+2 pattern of CBSE or equivalent with a minimum aggregate of 55% marks in Physics, Chemistry and Mathematics provided the candidate has passed in each subject separately. Candidate must additionally have passed English as a subject of study (core/ elective/ functional) in the qualifying examination.

The candidate as on 01/08/2020 should not be beyond 21 years.

Lateral Entry to B. Tech.

Three-years diploma (completed) in any of the following branches of Engg./Technology with a minimum of 60% marks in aggregate* from any recognized Diploma awarding institute/university/board recognized by AICTE:- Computer Engg; Automobile Engg; Chemical Engg, Civil Engg, Construction Engg, Electrical Engg, Electronics & Communication Engg, Electronics, Instrumentation & Control, Mechanical Engg., Maintenance Engg., Plastic Engg., Printing & Publishing, Production Engg., Public Health & Environmental Engg., Tool & Die Making.

Admission Criteria:

B. Tech.

All applicants are required to appear in Joint Entrance Exam (JEE) Main Paper 1 Conducted by National Testing Agency (NTA). The University shall not conduct its own CET for admissions, but shall be utilizing the merit of JEE Main Paper 1 for its admissions. The admissions would be based on the merit / rank in the JEE.

Lateral Entry B. Tech

Applicants must appear in the CET conducted. The admissions would be based on the merit / rank in the CET.

Fee Structure for B. Tech.

Item	Amount in rupees per year
Tuition Fee	117200
University Charges	12000
Student Activity Charges	1000
Group Insurance	100
Security Money (Refundable)	5000(only once at the time of admission)
Total Fee	135300

Fee structure for Hostel

Item	Amount
Admission Fee	1000
Annual Fee	5000
Caution Money	10000 (refundable)
Per month charges	3500

*The institute follows Guru Gobind Singh Indraprastha University policy for refundable of fee.

Internal Assessment:

Performance of each student is evaluated through internal assessment via mid-term examination, class-test, attendance and assignments based on each unit in the syllabus prescribed.

Faculty

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 can 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.

The present faculty is as follows:

DIRECTOR

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

Dy. Director 2nd Shift

Dr. A. K. Singh (Professor)

Department of Applied Sciences

Dr. Man Singh Beniwal (HOD-M) Professor

Dr. Rekha Tripathi
(HOD-E)
Associate Professor

Department of Electronics and Communication Engineering

Dr. Archana Balyan , (HOD-M) Professor

Dr. Pardeep Sangwan
(HOD-E) Assoc. Professor D
Assistant Professor

Department of Computer Science and Engineering

Dr. Rinky Dwivedi (HOD-M), Associate Professor

Dr. Adeel Shiraz Hashmi ,(HOD-E)
Assistant Professor

Department of Information Technology

Dr. Anupama Kaushik
(HOD-M) Associate Professor

Dr. Bharti Sharma, HoD-E, Associate Professor

Department of Electrical and Electronics Engineering

Dr. Sunil Gupta, HoD, Associate Professor

Technical Staff

- 1 Mr. O.P. Malik Instructor
- 2 Mr. R.K. Kaushik Instructor
- 3 Mr. Balraj Yadav Instructor
- 4 Ms. Pratibha Lab. Asst.
- 5 Mr. Gurdev Singh Lab. Asst.
- 6 Mr. Manoj Kumar Lab. Asst.
- 7 Mr. Deepak Rawat Lab. Asst.
- 8 Mr. Sunil Kumar Lab. Asst.
- 9 Mr. Nitin Rathi Lab. Asst.
- 10 Ms. Nitu Lab. Asst.
- 11 Mr. Parmesh Kumar Lab. Asst.
- 12 Mr. Eesh Kumar Lab. Asst.
- 13 Mr. Amit Wadhwa Lab.Asst.
- 14 Mr. Padam Chand Lab. Asst.
- 15 Ms. Rashmi Lab. Asst.
- 16 Mr. Satender Singh Lab. Asst.
- 17 Ms. Bhawana Kulshretha Lab. Asst.
- 18 Ms. Geeta Rana Lab. Asst.
- 19 Mr. Vishal Panwar Lab Asst.
- 20 Mr. Mahipal Singh Lab Asst.
- 21 Mr. Vijay Kumar Tech Asst.
- 22 Mr. Koshlendra Pal Lab Asst
- 23 Ms. Poonam Lab Asst
- 24 Mr. Siddharth Chhikara Tech Asst.
- 25 Mr. Rajeev Kumar Tech Asst.
- 26 Mr. Pradeep Kumar Lab Asst.
- 27 Ms. Vandana Lab Asst.
- 28 Mr. Amit Kumar Lab Asst.
- 29 Mr. Aakash Lab Asst.
- 30 Mr. Dinesh Kumar Lab Asst.
- 31 Mr. Sunil Kumar Lab Asst.

Vision and Mission

Institute level Vision and Mission

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.

Department level Vision and Mission

Department of Computer Science and Engineering

Vision: To maintain academic excellence aiming to produce competent technocrats imbued with ethical values to serve the national emerging technological needs.

Mission:

M1: To impart quality engineering education to the students by providing effective teaching learning, research and application based innovative environment.

M2: To inculcate creativity team-spirit, leadership and ethical competence through continuous collective curricular, co-curricular and extracurricular activities.

Department of Information Technology

Vision:

To build a culture of innovation and research in students and make them capable to solve upcoming challenges of human life using computing.

Mission:

M1 :To develop 'educational pathways' so that students can take their career towards success.

M2 :To imbibe curiosity and support innovativeness by providing guidance to use the technology effectively.

M3 :To inculcate management skills, integrity and honesty through curricular, co-curricular and extra-curricular activities.

Department of Electronics and Communication Engineering

Vision:

ECE department strives to become a centre of quality education to meet the global technological needs for the benefit of mankind.

Mission:

M1: To impart high quality education in the field of electronics & communication engineering to meet the national and global challenges.

M2: To provide adequate facilities, infrastructure and environment to the students as well as faculty members thereby creating an ambience conducive for teaching-learning process.

M3: To empower the students by enhancing their soft skills and ethics to create social awareness and imbibe national values so as to become good citizen.

M4: Creating a thrust for life-long learning through interaction with outside world on contemporary issues and technological trends.

Department of Electrical and Electronics Engineering

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

Mission:

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

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

Infrastructure

MSIT is located in an eight story 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. A large 'Computer Centre' and 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.

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, 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

Department of Electronics & 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.
- Microwave Lab.
- Electronics Devices Lab.
- Communication Systems Lab.
- EIM Lab.
- STLD Lab.
- Microprocessor 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

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 needed software.

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

- Computers Lab. • Programming Lab. • Database 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.

Department of Information Technology



Information processing is the basic need for all the 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:

- E-commerce and Enterprise Resource Planning Lab
- Programming Language Lab • Network Management and Security Lab • Internet and Project Lab • DS Lab •

Department of Electrical Engineering

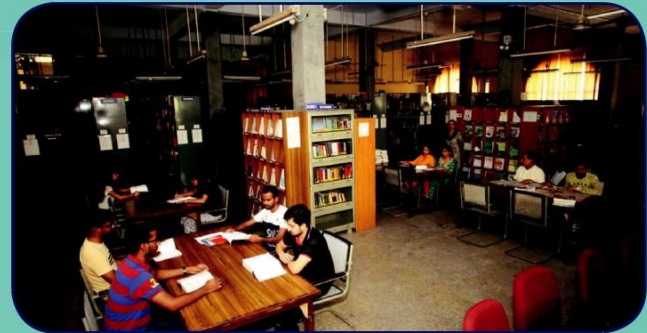


The department is actively engaged in research and teaching activities in

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.

Library



The Institute has a well-furnished & efficiently organized Central library which has a carpet area of about 600 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 a seating capacity of 150 persons each and are very well equipped with various modern audio-visual equipments. Both 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 perfect 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, facilities for indoor games, and first-aid facility are the added features of the hostel. A well-laid mess which is hygienically maintained and has good cooking facilities provides homely food at very reasonable rates to the students staying in hostel.

Cafeteria



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 functions.

Extra-Curricular Activities



Annual Day-2020

Maharaja Surajmal Institute of Technology located in Janakpuri, New Delhi, affiliated to Guru Gobind Singh Indraprastha University; New Delhi celebrated its Annual Day on January 11, 2020. Prof. Prem Vrat, Founder-Director, IIT – Roorkee, Pro-Chancellor; Professor of Eminence and Chief Mentor at The NorthCap University, Gurugram & Professor of Eminence at the Management Development Institute (MDI), Gurugram graced the occasion as the Chief Guest. The Hon'ble Chief Guest Prof. Prem Vrat, Sh.Kaptan Singh (Vice President, SMES) Sh. Ajit Singh Choudhary (Secretary, SMES), Mr. Rajpal Solanki, (Treasurer, SMES), Mrs. Esha Jakhar (Vice President, SMES), Prof. K.P. Choudhary (Director, MSIT), Prof. Rachita Rana (Director, MSI) and Prof. Ashok Oberoi (Director, Placements) inaugurated the function by lighting the lamp. A large number of parents, students and faculty members were present on the occasion. Prizes were distributed to the winners. The Institute rewarded the best faculty on the basis of their performance and sincerity.



Avensis 2020

Whenever we hear something like a tech fest, we immerse ourselves into the thoughts of new technical ideas, innovations, robotics, alluring colorful lights, unstoppable music, DJ's, creativity, and even savoring foods. We tend to bend our hunches towards competitions, huge crowds, cultural diversities and this indeed gifts a massive package of memories. To give all MSITians and MSIans this euphoria, Maharaja Surajmal Institute of Technology, successfully organised its annual technical fest-Avensis 2020 on January 8th and 9th. The event was a remarkable success and witnessed a footfall of more than 1500 students from various reputed colleges. This success is wholly attributed to the hard work and dedication of the student volunteers who worked restlessly day in and day out under the guidance and supervision of Dr Shaifali M. Arora (Convener), Dr Geetika Dhand (Co-Convener) and Ms Poonam (Co-Convener). This flagship event was started by lighting of the lamp by Sh kaptan Singh (Chairman, SMES), Sh B.D. Dabas, Prof. K.P Chaudhary (Director, MSIT) and Prof. Rachita Rana (Director, MSI), Prof. Ashok Oberoi (Director Placement, SMES), Prof. Poonam Bansal (Deputy Director, MSIT). With their blessings, the fest was declared open on 8th January.



Annual Sports Day: 2020

Annual Sport Day for 2019-20 session was organized on 25th Jan. 2020 at college sports ground in collaboration with NSS cell of MSIT. The day starts with march-past by the students of various departments, torch lighting by chief guest, oath taking ceremony. The annual sports day welcome Hon'ble Chief Guest Sh. Surinder Pahal ji, President Kabbadi Association of India followed by flag hosting by Chief Guest, Treasurer SMES Sh. Raj Pal Solanki Ji, Sh. B. D. Dabas Ji member Executive Committee, Sh. Ramesh Chaudhary Ji member Executive Committee, Sh. Ajit Singh Ji member Executive Committee, and Prof. K.P. Chaudhary Director MSIT

International Conference (ICAIA-2020)



Maharaja Surajmal Institute of Technology is immensely pleased to organize its First International Conference on “Artificial Intelligence and Applications” (ICAIA 2020) on February 6-7, 2020. The conference was intended to provide an international forum for original research findings, as well as exchange and dissemination of innovative, practical development experiences in different fields of Artificial Intelligence. A major goal and feature of it was to bring academic scientists, engineers, industry researchers together to exchange and share their experiences and research results about most aspects of science and social research, and discuss the practical challenges encountered and the solutions adopted. We were fortunate to have received over 160 research papers from all over the world, wherein we shortlisted 63 papers for our conference after rigorous double-blind peer review process. The shortlisted papers were presented in 8 parallel sessions on both the days. We are honored to have Prof. K. K. Aggarwal as our Chief Guest and Mr. Karnal Singh as Guest of Honour for the inauguration on 6th February 2020. Prof. S.K. Garg, general chair of the conference addressed the audience about the real life application of AI in mediacr life, car automation etc. He motivated the students to develop products based on AI for the benefit of society.

MSIT Publications

Vision

Vision is the annual magazine of Maharaja Surajmal Institute of Technology. It provides the students a forum to give expression of their creative abilities with special reference to themes of technology. Vision is a platform which reiterates and reinforces this aim by acting as a path to channelize the thoughts of a young and spirited generation. It is a reflection of the institution, in all its diversity and excellence.

MSIT Journal of Research-(Satyam JR)

Satyam JR is an annual research journal of Maharaja Surajmal Institute of technology. It is a refereed journal with ISSN number 2319-7897. The aim of the journal is to provide a common platform to the researchers including both faculty as well as students to share their knowledge and ideas. The scope of the journal is multi-disciplinary including both engineering as well as science.

ICON

It is an annual magazine published by MSIT IEEE student branch. The aim of the magazine is to publicize the events conducted by IEEE MSIT student branch over a span of entire year. It includes various technical, social activities like technical project exhibition, SIG's conducted, workshops and seminars organized, achievements of students like including scholarships or free online course coupons and activities organized in various schools. It provides students an opportunity to grill their skills, work together on projects related to interdisciplinary themes.

Reflection

It is quarterly published newsletter of Maharaja Surajmal Institute of Technology. It includes various activities like faculty achievements, student achievements, various events conducted by departments including seminars, workshops, quiz, mock tests, expert lectures.

Faculty Publications (2019-20)

Papers published in International Journals =90

Papers published in Conferences =85

Books published =14

Student's Grievances Redressal Policy

Objectives

1. To develop a framework for resolving the genuine grievances of students and stakeholders (parents, teachers etc.)
2. To provide a quick, fair and satisfactory solution in response to the grievances of students and stakeholders.
3. To promote growth of all by creating a positive environment.

Grievance Categories

The complaints/grievances may fall in the following categories:

1. Academic issues: relating to teaching learning.
2. Any matter related to Students' - teacher; student-student; student –parent relationship.
3. Internal evaluation and marking.
4. Grievances related to hostel, food, water, electricity etc.
5. Any matter related to sports, cultural activities.
6. Grievance related to delay in issue of records/ documents or behavior of staff.

Procedure for Grievance Redressal

- An aggrieved stakeholder (student, parent, teacher) shall register his/her complaint through online portal whose link is displayed at prominent places in the institute. Also, he/she may alternatively approach any of the team members of grievance redressal committee of the institute, whose details (mobile no., email id) are displayed at prominent places in the institute as well as on institute website.
- The committee chairman will fix a date for hearing the complaint which will be communicated to all concerned either in writing or electronically, as feasible.
- Thereafter, the chairman of committee will place the matter before the committee members. All the related facts will be verified and the statements of all involved will be recorded. The committee shall try to redress the grievance within a reasonable time.
- The committee shall observe law of natural justice and conclude with a fair unbiased decision.
- In case of any false complaint, appropriate action may be taken against the complainant.
- The decision may then be communicated to the concerned.
- If the complainant is not satisfied with the decision of committee, then he/she may approach the Director of institute or may even follow the GGSIPU Grievance Redressal Committee notified on the institute/university website.

Link to website: <http://grievance.msit.in/>

Important Committees and Student Societies

Committee	Convener	Contact
Anti-Ragging	Dr. Sobinder Singh	sobinder77@msit.in
Internal Complaint	Prof. Poonam Bansal	poonam.bansal@msit.in
College disaster Management	Dr. Man Singh	mansingh@msit.in
Grievance Redressal Committee	Dr. Naveen Dahiya	Naveendahiya@msit.in
Fire Safety Team	Sh. Rajbir Singh	rajbir.singh@msit.in
First Aid Team	Dr. Sumita Dabas	sumita_dabas@msit.in
Sports Activity	Dr. Vivek Solenki	viveksolanki@msi-ggsip.org
Cultural Activities	Dr. Anju Dhillon	anju.dhillon@msit.in
Institute Website	Dr. Naresh Kumar	nareshkumar@msit.in
Student Bus Passes	Sh. Rajbir Singh	rajbir.singh@msit.in
Medical Facilities	Dr. Rakesh Kumar	rakeshkumar@msit.in

Student Societies

Society	Convener	URL
IEEE MSIT	Dr. Anupama Kaushik	http://ieee.msit.in
E-Cell	Dr. Neeru Rathi	https://www.ecellmsit.in/
Innovation Cell	Dr. Sudesh Pahal	https://www.facebook.com/iicmsit
TECHSOC	Dr. Kavita Sheoran	www.msit.in
PRAKRITI	Dr. Savita Ahlawat	www.msit.in
MUTANTS	Dr. Anju Singh Dhillon	www.msit.in
UBA	Dr. Sudesh Pahal	instagram.com/unnatbharatmsit
NSS	Dr. Savita Ahlawat	www.msit.in
DSC	Dr. Prabhjot Kaur	https://dsc.msit.in/

Code of Conduct

At the time of admission every student shall be required to submit himself to the disciplinary jurisdiction of the Director by signing a declaration to this effect. Any act of indiscipline or misconduct may invite penalty as per the provision of disciplinary rules of the University/Institute. Conduct of students in the classroom as well as in the PR demises of the institute should be conducive to the academic environment. Smoking is strictly prohibited within the premises of the Institute. Any student found smoking within the Institute premises would be fined Rs.100. Students should take proper care of institute's property, fittings, fixtures, equipment's, teaching aids and must prevent their misuse, mishandling etc. The Director may, at his discretion, expel student(s) from the Institute for any act of indiscipline.

Prevention of Ragging

Ragging is totally banned in the Institute and anyone found guilty of ragging / abetting ragging is liable to be punished. Every Student & Parent/Guardian shall submit affidavit that they will not indulge in the act of ragging in any form. The Students & Parent/Guardian availing hostel accommodation have also to submit the above affidavit. The Language of the affidavit will be provided by the office.

Attendance

A student is required to have a minimum attendance of 75% in aggregate of all the courses taken together in a semester/year. However, Director may condone attendance shortage up to 5% for individual students for reasons beyond the control of the students. Under no condition a student who has an aggregate attendance of less than 70% in a semester will be allowed to appear in a semester examination. The student who is detained due to shortage of attendance shall not be allowed to be promoted to the next semester and he/she will be required to take re-admission and repeat all courses of the said semester with the next batch of students. In case any student appears in end-term examinations, who infect, has been detained by the Institute his/her result shall be treated as null and void. Each student and his/her parents/guardians will have to give an undertaking that if he/she doesn't fulfill the requirement of minimum attendance, he/she may be debarred from taking the semester examinations.

Evaluation and Award of Degree

The overall weightage of a course in the syllabi and

scheme of examination is determined in terms of credits assigned to the course. Obtaining a minimum of 50% of marks in aggregate in each course including the semester-end/year-end examination and the teacher's continuous evaluation is essential to earn the assigned credits. A candidate who secures less than 50% marks in a course is therefore, deemed to have failed in that course. A student is eligible for the award of the university degree, if he/she has registered himself/herself, undergone the regular course of studies, completed the project report/ dissertation specified in the curriculum of his/her programme within the stipulated time, and has secured the minimum credits prescribed for the award of the concerned degree.

Placement CELL

There is an active placement department of MSIT and headed by Director Placements, Prof. Ashok Oberoi. The department has been putting allout 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

The placement cell has also organized certain workshops and professional aptitude demos which help students to explore their placement skills & potential leading to better career opportunities.

- The students are given wide exposure to select suitable options for higher studies both in the field of Management & Technology. Various courses in the Niche technology are centrally organized as part of the Industrial training using services of various organizations offering & arranging such training at the campus location itself. This helps increase the practical knowledge of students & also helps prepare them better for the subsequent job market activity. Apart from this centralized provision for summer training, suitable support is provided to students for their summer training / internship with the outside industry.
- The students are also encouraged to try for Defence jobs as well as prepare & do well in GATE, which has become a good enabler for pursuing higher studies in Technology and for joining the much sought-after PSU's. Similarly, students are motivated for GRE & GMAT, the enablers for higher education in Technology & Management in USA, CANADA & some of the European countries.

A Personality Development & Career Counselling Committee (chaired by a Senior Professor & representative from all departments) is already setup to take care & enhance personality development needs

of the students through technical, soft & presentation skills at the grass route level. This is also to support efforts for their industrial training & effective counseling time to time.

OTHER SALIENT, SPECIAL & VALUE ADDING ACTIVITIES INITIATED & CONSOLIDATED BY PLACEMENT CELL INCLUDE:

MSIT is recipient of NEA (National Employability Award) for the last five successive years, being one amongst the Top 10% Engineering Colleges at the National Level having huge employability potential. MSIT AS ONE OF THE PREFERRED PARTNERS OF TATA CONSULTANCY SERVICES (Being Accredited to TCS) MSIT AS INFOSYS CAMPUS PARTNER (Special Campus~Academia Relationship).

- MSIT AS MISSION CONNECT PARTNER WITH WIPRO (Leading to faculty skill enhancement & their getting Dale Carnegie & Cambridge University Certifications).
- MSIT identified as CENTRE OF EXCELLENCE by 'Talent Grids', Bangalore for being one of India's premier private group of engineering Institution.
- MSIT has featured as one of the Top 10 emerging engineering colleges of India along with colleges like IIIT Gwalior, Nirma College Ahmedabad, Kalyani College Kolkatta, HKBK College Bangalore in the latest AC-Nielsen India Today Best Colleges Ranking Survey.
- MSIT HAS FEATURED AS ONE OF THE "TOP 25 ENGINEERING COLLEGES OF INDIA" as per DQ-CMR latest Best T-School survey 2014-2015.

GLOBAL RECOGNITION

The campus got global recognition by being awarded the most coveted "Diamond Eye Award for Total Quality Commitment & Excellence in Education" which was collected by President, SMES Sh. S.P. Singh and Secretary, SMES Sh. Ajit Singh during a ceremony held at Geneva, Switzerland. (The affiliating IP University has been a recipient of similar award from OMAC earlier). The award was received in the presence of our consular / diplomatic corps people & representatives from leading companies located in 49 countries across globe.

engineering colleges at National Level and Career Guru Award twice for Prof. A. Oberoi Director, Placements for Inspiring & Performing Minds.

MSIT: THE EVERGROWING SUCCESS STORY

MSIT continues to perform with excellence to retain its leading position amongst colleges of IP University for the 13th successive year. The Institute excels in all spheres of activity; may it be academic performance (Getting Gold Medals & Exemplary performance in IP University), admission for higher studies in India & Abroad for technology as well as management related courses in some of the highly reputed campuses / Universities.

MSIT which has become synonym with the most spectacular all-round success, development and excellence has a track record of university gold medalist's year after year. MSIT has produced

university gold medalists successively for all the last 12 passing out batches (Sometimes in two of the four circuit branches being offered by this campus) .

We are very well represented in the league of IIMs, IITs & various high-end Universities / Institutes of repute both in India & abroad. Also many of the Ex-Alumni have become part of leading companies abroad doing exceeding well in some of the lead roles.

MSIT beckons all the young bright sparks with a focused and dedicated mind set to make it to the league of highly successful professionals by joining this campus to script their own success story in the most conducive academic & professional environment, which leads to their overall development.

They too can add their own colour & hues to the rainbow of success called MSIT leading to enhancement of self-esteem and self-actualization. They can not only emulate but also improve upon the great performances put up by their seniors.

Placement Status: Batch- 2020

SR.NO	COMPANY	TOTAL	SR.NO	COMPANY	TOTAL
1	INFOSYS(PP)	4	34	DARWINBOX	1
2	INFOSYS(SES)	19	35	IBM	2
3	INFOSYS(SE)	194	36	SERVETEL	1
4	ACCENTURE (FSE)	13	37	PUBLICIS MEDIA	1
5	ACCENTURE (ASE)	208	38	FIS	5
6	TCS (D)	7	39	CAPGEMINI	9
7	TCS (N)	91	40	JARO EDUCATION	1
8	ADOBE (MTS)	1	41	RIVIGO	2
9	ADOBE	1	42	AIR FORCE	1
10	ION TRADING	6	43	3COMMAS	1
11	ZS	7	44	MIND YOUR FLEET	1
12	HASHED IN	2	45	MACQUARIE	1
13	POLESTAR	16	46	GINGERPAN SWAPCART	1
14	WINGIFY	4	47	UNI	1
15	MUSIGMA	20	48	TECHMANIC PVT LTD	1
16	NINELEAPS	2	49	PUDLE	1
17	NIIT	3	50	BABEL MEDIA	1
18	KNOLDUS	1	51	UNIFY SYSTEMS	1
19	SMARTER CODE	1	52	SUPP NUTRITION PVT LTD	1
20	DAFFODIL	6	53	BUILD SUPPLY	1
21	NEWGEN	20	54	MAQ SOFTAWRE	1
22	JOSH TECH	5	55	BOBBLE.AI	2
23	LIBSYS	1	56	OODLES TECHNOLOGIES	1
24	I H S MARKIT	13	57	LIDO LEARNING	1
25	BRAVURA	3	58	MERITNATION	1
26	AMAZON	2	59	ORBO.AI	1
27	QA-INFOTECH	1	60	RTDS	1
28	GOOGLE	1	61	AUJAS NETWORKS PVT LTD	1
29	COMVIVA MAHINDRA	23	62	ACCOLITE	1
30	PROCOL TECH	1	63	ASPIRING MINDS	1
31	LONGLI	6	64	WIPRO	4
32	SAMSUNG (R&D)	7	65	ISH INSTITUTE	1
33	YAMAHA MOTORS	2	66	VINICULUM PVT SOLUTION	1

Additionally, efforts are on & many more Companies particularly from the core sector are still in pipeline to visit this campus soon for this Batch 2020.

Life at MSIT



ENVA Cultural Fest MSIT 2020



GENESIS Cultural Fest 2020





AVENSIS MSIT ANNUAL Fest 2020



AVENSIS MSIT ANNUAL Fest 2020



Annual Day 2020 Celebrations



Annual Sports Day 2020

Student Performance at MSIT

Congratulations to Achievers of MSIT

Placement 10 LPA & above (2017 -2021 Batch)



Shivangi Shrivastava
CSE
ZS Associates



Manya Jain
IT
ZS Associates



Kartik Kumar
CSE
ZS Associates



Adisakshya Chauhan
CSE
ZS Associates



Ravi Samwal
CSE
ZS Associates



Bhavya Choudhary
CSE
ZS Associates



Maryada Sharma
CSE
ZS Associates



Nitesh Singh
CSE
ZS Associates



Pooja Sharma
CSE
ZS Associates



Prachi Setia
CSE
ZS Associates



Rahul Mishra
ECE
ZS Associates



Vachali Aggarwal
IT
ZS Associates



Shubham Jain
CSE
ZS Associates



Tamanna Jain
CSE
ZS Associates



Amandeep Singh
CSE
ZS Associates



Dhananjay Sachdeva
CSE
ZS Associates



Sparsh Sood
IT
ZS Associates



Ankit Sharma
ECE
ZS Associates



Shivang Nimesh
IT
ZS Associates



Abhinav Tiwari
ECE
ZS Associates



Tanya Bansal: 9560639276
Varun Jain: 9654501583



Organisers: MHRD, MIC, Persistent, AWS, etc.

SMART INDIA HACKATHON 2020

Maharaja Surajmal Institute of Technology, Janakpuri, Delhi - 110058

Central Crew

WINNER

Anshuman Padhi, Ishan Vohra, Anushka Jadhav, Vimal Tripathi, Yatan Srivastava, Tavneet Singh

Partners: DEVNET, KPIT, etc.

MAHARAJA SURAJMAL INSTITUTE OF TECHNOLOGY
Janakpuri, New Delhi

CONGRATULATIONS!

WINNER

Team Brainiacs101
Prize: INR 1,00,000
Organisation: Central Warehouse Corporation (CWC)

TEAM LEADER
RAKSHIT SATIJA
IoT Dev. & Product Manager

SHASHWAT TYAGI
Web Developer

AKSHAY REIN
App Developer

NEHAL SINGHAL
Lead Researcher

HIMANSHU GULLAIVA
Data Scientist

RICHA PATHAK
Electronic Researcher

#SmartIndiaHackathon
World's Biggest Open Innovation Model

Software Edition (Online Platform)

GRAND FINALE on 1st - 3rd August 2020

ORGANISERS: MHRD, etc.

Smart India Hackathon is a non-stop product development competition.

b) Mother's Name (In Hindi)

c) Mother's Occupation: Service Business Others(Pl.Mention)

d) Mother's Designation with Office address & Phone No.

Phone No. Mobile

E-mail: _____

6. Date of Birth (DD/MM/YY): Sex: Male Female

6. Marital Status : Married Unmarried 8. Nationality :

9. Category: Management N.R.I. Gen. Defence SC/ST/OBC Others
(Please tick only one)
(Enclose certificate of competent authority in prescribed form, if applying under reserved category)

10. Academic Record (10th onwards): (Attach copy of relevant certificates with mark sheets)

Exam. Passed	University/ Board	Year of Passing	Subject offered	Maximum Marks	Marks Obtained	%age

11. Qualifying Aggregate Percentage: _____ PCM Marks _____ PCM Percentage _____

12. Extra Curricular Activities with level of achievements : _____

DECLARATION

I _____ solemnly declare that the particulars given by me in the application form are correct. I am applying with the consent of my parents/guardian. I further declare that I shall abide by all the rules and regulations of the Institute as well as those of the Guru Gobind Singh Indraprastha University, Delhi.

Signature of Father/Guardian

Signature of Candidate

Date : _____

FOR OFFICE USE

Eligibility and marks checked by _____ Remarks: _____

Admn. Officer

Director

Please paste your
photograph here

(Do not staple)

Student Sign. must be within the
above box

MSIT ID Card Membership Form

(Please fill the following information in CAPITAL Letters only)

Name: _____

Father's Name: _____

Date of Birth: _____ Blood Group: _____

Course: _____ Batch: _____

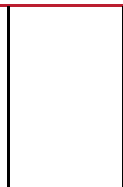
Enrollment No.: _____ Shift: _____

Residential Address: _____

Phone: _____



Temporary ID Card (Validity: 28th Feb 2021)
MAHARAJA SURAJMAL INSTITUTE OF TECHNOLOGY
(Affiliated to GGS Indraprastha University)
C-4, Janakpuri, New Delhi – 110058
Tel.: 25528116/7, 25552667, Telefax: 25528116



Name:
Father's Name:
Date of Birth: Blood Group:
Course: Batch:
JEE Main No.: Shift:
Res. Address:

Students Sign.

Phone:

Director

Note:

1. In case of mis-use of ID card, holder will be responsible.
2. This ID card is not transferable, in any case.
3. Loss of ID card must be reported immediately to the Director.
4. This ID card must be produced/surrendered, as and when being asked by the authorities of the Institute.
5. In case the ID card is lost, new card will be issued on payment of Rs 50/-
If found, please return to Institute