

# MAHARAJA SURAJMAL INSTITUTE OF TECHNOLOGY



## REFLECTIONS



### ISTE Annual Faculty Convention Programme on “Startup Challenges and Solutions”

E-Cell, MSIT organised a Faculty Convention Programme, a two-day event that was held on 30th & 31st Oct'19. This interactive session was attended by nearly 100 students and all faculty members. The event marked the beginning of the Faculty chapter at MSIT, powered by the International Society for Technology in Education (ISTE), to provide the upcoming entrepreneurial ideas with a platform to solve the challenges faced during their implementation and to nurture them. Day 1 of the event commenced by the kindling of lamp, followed by welcome address speech by Mr Kaptan Singh (Chairman, SMES) and Dr K.P. Chaudhary (Director, MSIT). The students were then enlightened by the pearls of wisdom by Chief Guest, Dr Mangu Singh (Managing Director, DMRC). The inspiring speeches of the speakers and their understanding and knowledge experience and ability to present the subject produced one of the most memorable evenings in our group's history.

The first speaker was Mr Saurabh Trivedi, the co-founder and Director of Boudhik Ventures, adept at blending the "art and science" of marketing to drive business outcomes. The second speaker was Mr Yuvraj K Sharma, the co-founder of KOMPANIONS, an ed-tech company, creating innovative educational products using augmented reality & virtual reality. He inspired the audience and left a great mark on everyone. The next speaker was Dr. Sushil Chandra, Scientist 'G', DRDO. He enlightened the faculty members by giving a speech on the topic "Choose, Change and Become". He talked about goal management, time management and social awareness regarding various programmes

### PREFACE

It gives me immense pleasure in writing a preface to the first issue of Reflections, a quarterly newsletter of Maharaja Surajmal Institute of Technology. The newsletter consists of sections documenting significant academic events such as workshops, Industrial visits, Club activities and Competitions etc., allowing everyone to exchange their views, thoughts and experiences.

I express my sincere gratitude towards our college management for their continuous support, motivation and guidance.

I congratulate the editorial team for bringing out this much awaited, maiden issue of newsletter. I request all faculty members to extend their whole hearted support to the newsletter.

With best wishes and a great hope that everyone will enjoy reading it.

Dr. K.P. Chaudhary  
Director, MSIT

### IN THE SPOTLIGHT

ISTE Annual Faculty Convention

DEPARTMENTS:

- Computer Science & Engineering
- Information Technology
- Electronics and Communication Engineering
- Electrical and Electronics Engineering
- Applied Sciences

College Societies  
Sporting Spirit of MSIT  
Incubation Cell  
News @ AICTE  
Upcoming Events  
Our Hon'ble Dignitaries

## FACULTY ACHIEVEMENTS

Technical Paper Published:

- Koyel Datta Gupta, "A Survey on Recommender System", International Journal of Applied Engineering Research, 14 (14), 3274-3277, 2019.
- Kavita Sheoran, "Literacy Rate Analysis Dashboard", International Journal of Scientific & Technology Research, 8(08), 1306-1309, Aug'19.

Paper presented in national/international Seminars/Conferences:

- Savita Ahlawat, "Hybrid CNN-SVM Classifier for Handwritten Digit Recognition", In proc. of International Conference on Computational Intelligence and Data Science, Sept'19.

Faculty members who completed M.Tech/ Ph.D:

- Ms. Sonia Rathee, Assistant Professor, completed her Ph.D. degree from M.D.U., "Design and Development of Spatio-temporal database System extending Relational model", on Oct'19.

Faculty members who took admission in M.Tech/ Ph.D:

- Ms. Vimal Gaur, Reader, took admission in Ph.D., in Maharishi Markandeshwar University (Oct. 2019).
- Mr. Sushil Kumar, Assistant Professor, took admission in Ph.D., in Institute of Foreign Trade and Management, (Oct'19).

FDPs, Seminars, Workshop and Conferences attended:

- Dr. Koyel Datta Gupta, attended 3 Days FDP on "Leadership Development Programme", in Sept'19, by All India Council for Technical Education, in New Delhi.

## DEPARTMENTS

### COMPUTER SCIENCE AND ENGINEERING

#### MORNING SHIFT

##### Seminar on "Higher Education"

Session was conducted by "Jamboree", for the students of CSE 5th Semester on 6th Sept'19. The General Manager of Jamboree, Sh. Arun, interacted with the students. The main areas of his talk were GMAT, GRE, the gateway test for Masters, MBA studies in the abroad as well as India's top notch Institutes, Profile Building, Masters/MBA Deferred admission program available without work experience, SOP & LOR's related information, Career prospects after Masters.

##### Seminar on "Python and Databases"

A seminar was organised by DUCAT for CSE students of 3rd and 5th Semester. The main aim of seminar was imparting the basic knowledge of DATABASE and PYTHON on industry point of view to the students. Speakers talked about the importance of these concepts in IT Industry.

##### Industrial Visit

The students of MSIT were privileged to be a part of the industrial visit made to Aryabhata Research Institute of Observational Sciences (ARIES) in Nainital, Uttarakhand on the 9th, Oct'19. ARIES is a research institute which specialises in Astronomy, Astrophysics and Atmospheric Sciences. Here, a 104cm Sapurnanand Telescope was installed in 1972 by Carl Zeiss, Germany, which still exists in a proper working condition.



#### STUDENTS' ACHIEVEMENTS

- Maryada Sharma of CSE, 3rd year (Batch 2017-21), grabbed a Gold Medal in Triple jump at GGSIPU Sports Meet'19 held in Oct'19.
- D. D. V. Sai Ashish, Sakshi Munjal and Mayank Mani of CSE, 2<sup>nd</sup> year (Batch 2018-22) won First Prize in 'GirlScript Hackathon powered by Microsoft' held in DTU on 20/10/19.
- Sarthak Yadav, CSE, 2nd Year (Batch 2018-22), won 2nd best Adjudicator in the 8th National Parliamentary Debate at UPES Dehradun, held in Sept'19.
- Siddharth Sen of CSE, 2<sup>nd</sup> year (Batch 2018-22), won the prize of "Most Mainstream Hack" in HackHarvard Hackathon, in Oct'19, held in the Harvard University.
- Tanishq Rana, of CSE, 2nd year (Batch 2018-22) secured second position in graphic designing competition (DU), held in Sept'19.
- Swaraj Mohan Parimi, CSE, 2<sup>nd</sup> year (Batch 2018-22) and Vaibhav Purohit, of CSE, 3<sup>rd</sup> year (2017-21), secured silver in inter IP basketball tournament(at the IP University main campus, held in Oct'19).
- Ankit Singh Rana, Kshitij Kumar, Rohit Shokeen of CSE, 2nd year (Batch 2018-22), Priyansh Singh Nirwan, Ravi Sanwal and Jitender Kumar of CSE, 3rd Year (Batch 2017-21), won Bronze medal in volleyball in GGSIPU Sports Meet'19, in Oct'19.

## EVENING SHIFT

### Seminar on “How to do well in GD and PI?”

In order to provide an interaction and platform to the students of IT and CSE, a seminar was organised in Sept'19. This was conducted by T.I.M.E group. The spectacular seminar was commenced by Mr. Ramachandra, an IIM alumnus of batch 1983. He guided the students with his enterprise and experience. He emphasised on PI, considering the general awareness. He talked about the major questions for PI and took the seminar in an entertaining way. It was indeed amazing, how he shared the aspects on which the students must focus.

### Seminar on “Mobile Learning Technology: Impact and Inside Stories”

A lecture was delivered by Prof. Joan Lu, a professor in Informatics at the University of Huddersfield, United Kingdom. Her extensive research covers information access, retrieval and visualisation, XML technology, object oriented technologies, agent technology, data management systems, security issues and Internet computing. She is a founder and Editor-in-Chief for the International Journal of Information Retrieval Research. The lecture was attended by the students of 2nd and 3rd year of CSE & IT along with faculty members. The lecture was practical, informative and interesting. Prof. Joan Lu demonstrated the methodologies and usage of the mobile and technology in the conventional teaching. The main focus of the lecture was on the centralised learning for students to visualise the things they are studying. The lecture was followed by a questionnaire session, which was very interactive. The lecture was concluded by a vote of thanks by Dr. Naveen Dahiya (HoD, Department of CSE).

## INFORMATION TECHNOLOGY

### MORNING SHIFT

### Seminar on “Machine Learning Using Python”

Mr. Aditya Hajela, from Apron, was the guest speaker for the seminar and he started it with the brief introduction about Python. Then he moved to discussing about the scope of python and the career opportunities in it, such as, Data analyst, research analyst, information security, full stack development etc.,

### Industrial Visit

The students of MSIT were privileged to be a part of an industrial trip to Allain Duhangan Hydro Power Plant on 7th Oct'19. AD Hydro Power Ltd is implementing the 192 MW Allain Duhangan hydroelectric project on the rivers Allain and Duhangan, in the Kullu district of Himachal Pradesh. The ADHPL Project is located at village Prini, Tehsil Manali, at a distance of 60 kms from Bhuntar airport.



## FACULTY ACHIEVEMENTS

Technical Paper Published:

- Bharti Sharma “Whale optimisation based recommendation system: Secure Multi-tier Energy Efficient Routing Protocol for Hierarchical Wire less Sensor Networks”,17-35, International Journal of Innovation Technology and exploring Engineering, Aug'19.

FDPs, Seminars, Workshop and Conferences attended:

- Nishtha Jatana, attended 5 Days FDP on “Technical writing and publishing using LATEX2” in Sept'18, held at BVCOE.

## STUDENTS' ACHIEVEMENTS

- Adishakshya Chauhan, Avikant Wadhwa, Yatharth Katyal and Mohak Chugh, CSE 3rd year students, won 2nd prize in Infosys-Make-a-thon, held in Chandigarh

## FACULTY ACHIEVEMENTS

Technical Paper Published

- J. Arora, M. Tushir and R. Kashyap “Improving Semi-Supervised Classification using Clustering”, EAI Endorsed Transactions on Scalable Information Systems.

FDPs, Seminars, Workshop and Conferences attended

- Faculty of IT Department attended two days Annual Faculty Convention Program sponsored by ISTE Delhi Section in Oct'19 at MSIT.

## STUDENTS' ACHIEVEMENTS

- Yashpreet, of IT, 3rd year, has been offered a free travel scholarship to Berlin, Germany for Summer University of TU, Berlin for Artificial Intelligence in the month of August.
- Vivek Gupta, of IT, 3rd year, has been appointed as Google Developer Student Club Core Member (DSC-Core).

## STUDENTS' ACHIEVEMENTS

- Sudhanshu Singh Ujjain, of IT, 3rd year, came second in a cricket tournament organised in Ghevra, Delhi, in Oct'19.
- Prateek Sharma, of IT, 3rd year, won the 2nd Prize at the Debate Competition held at Indraprastha Institute of Information Technology (IIIT) - Delhi, in Aug'19. In Sept'19, he became the 4th best judge in the annual Freshers Parliamentary Debate of Sri Guru Gobind Singh College of Commerce. And in Oct'19, he bagged the 3rd best judge award at an invitational debate at the Institute of Law, Nirma University, Ahmedabad.

## EVENING SHIFT

### Seminar on "Exploring Entrepreneurship"

In order to provide an interaction and platform to the students of IT and CSE, a seminar was organised on 3rd Sept'19. It was conducted by Skill Sertifika. Mr. Tarachand Dhoundiyal, an expert from IIM, was the respected speaker for the same.. The topics of discussion were entrepreneurship, identification of idea and its assessment, legal foundation, financial management and business planning. Speakers guided and motivated the students with their enterprise and experience. It was an indeed an enriching experience.



## STUDENTS' ACHIEVEMENTS

- Sanyam Dogra, of 3rd year, worked for Developers Italia for completing their design-react-kit under the Google Summer of Code program and received \$3000 for successful completion of project. Developers Italia's main job is to bring design tools and culture into to the Administration .
- Kushagra Tyagi, of 4th year, completed his internship in Twitter, USA, and he was the only Intern from India and the youngest Intern in the Asia Pacific region. He worked with some of the big clients across the world and got real time exposure to the industry.
- Yashraj Garg, a of 4th year, attended the Writing Sessions Meeting organised by IEEE Standards Association, being a member of P7014 Working Group Member for IEEE P7014 Project on Standard for Ethical Considerations in Emulated Empathy in Autonomous and Intelligent Systems. The meeting was held in Berlin, Germany during the period of 01 Oct'19 to 03 Oct'19.

## ELECTRONICS AND COMMUNICATION ENGINEERING

### MORNING SHIFT

#### Industrial Visit

Students from ECE department, visited the INMAS DRDO, to discuss several topics such as internship and projects on Virtual Reality (VR), Augmented Reality, Mixed Reality (MR) along with signal processing and cognition on 25th Oct'19 along with two faculty members. During the visit, Scientist 'G' Dr. Sushil Chandra, along with Mr. Vishal Pandey, briefed the students about the R&D work of INMAS, DRDO. He also introduced various scientists who worked in different department such as Cognition and signal processing in the human brain, and the key aspects related to electronics and communication in the MRI.

#### "Career guidance" by MSIT Alumni Association

To mark the beginning of newly registered "**Maharaja Surajmal Institute of Technology Alumni Association**", a session on "Career guidance" was organised for the students of MSIT on 5th Oct'19. Five alumni students presented and shared their ideas and counselled existing MSIT students. The session was attended by Prof. K.P.Chaudhary (Director MSIT), faculty associated with Alumni Association, Dr. Puneet Azad, Ms. Sonika Malik, Ms. Sonia Goel, Ms. Shaily Malik and Ms. Jyoti Khurana and 134 students of MSIT. The agenda for the session was Career Guidance for students from alumni working in the industry,

#### Workshop on "IoT using Raspberry pi and Arduino"

A workshop was conducted by Prof. Archana Balyan and Dr. Sudesh Pahal, for the students of 2nd year, ECE. The invited speakers, from CETPA Infotech Pvt Ltd., delivered the lecture and gave knowledge about training and internship opportunities in IoT to students. Mr. Sanjit Singh, an eminent faculty at CETPA, delivered a talk on basic concept of IoT, Raspberry pi and Arduino in the first session. The speakers introduced the audience to the upcoming research and real time projects in the field of Internet of things. He also demonstrated the hardware projects on IoT.

### Seminar on “Mental Health Care”

The seminar was conducted on 14th Oct'19. The Guest speaker was Mr. Vir Philip, a very prominent youth mentor & trainer and he has been a part of various organisations like CanSupport, Rotary, MUN's etc. The seminar focused on acknowledging and handling placement pressure and mental problems like stress, anxiety and depression, followed by understanding the effects of such illnesses in the students' lives.

## ELECTRICAL AND ELECTRONICS ENGINEERING

### Seminar on “Integrated Operation of Power System”

An expert lecture was organised on “Integrated Operation of Power System in Delhi” on 7th Sept'19. The lecture was delivered by Sh. Naveen Kumar, Asstt Manager (T), State Load Dispatch Centre (SLDC), Delhi. The aim of the seminar was to provide the students an insight of roles and functions of SLDC. SLDC ensures the integrated operation of power system and is responsible for optimum scheduling and dispatch of electricity in Delhi. The seminar enlightened the students on various topics including Power supply position, Demand in power, Electrical Grid, Power System, Important agencies in power sector, Electricity Act and regulations, Evolution of power systems.

### An Expert Lecture on “Renewable Energy Integration”

A lecture was organised on the topic “Renewable Energy Integration”, for EEE faculty and students on 22nd Aug'19. Speaker of the session was Dr. R. C. Bansal (professor, Department of Electrical, Electronics and Computer Engineering, University of Pretoria, South Africa). In addition to fully addressing operational issues, the integration also establishes viable business models for incorporating these technologies into capacity planning, grid operations, and demand-side management.



## APPLIED SCIENCES

### Workshop on “Soft Skills”

AICTE organised a workshop for the development of soft skills, from 19 Aug'19 to 19 Sept'19. The distribution of the course of the workshop was well spread, covering the areas of communication, leadership, self confidence and change management. The workshop was driven by a series of online lectures containing detailed case studies and regular monitoring of every student's progress.

### Industrial Visit - National Physics Lab

A team consisting of 66 students and 5 faculty members of MSIT were privileged to be a part of the visit made to the Open House event at the National Physical Laboratory in Sept'19. The visit to National Physical Laboratory had proved to be beneficial for the students, as it supplemented a clear vision to theoretical knowledge and exposed students to recent trends in research, challenges and

## FACULTY ACHIEVEMENTS

Faculty members who took admission in M.Tech/ Ph.D:

- Ms. Jasmine Chhikara
- Ms. Upma Singh
- Mr. B.K.Hemant

Recently joined faculty:

- Ms. Deepika
- Ms. Neha

## FACULTY ACHIEVEMENTS

Technical Paper Published:

- Y.Arya, “Impact of hydrogen aqua electrolyzer-fuel cell units on automatic generation control of power systems with a new optimal fuzzy TIDF-II controller.” Renewable energy, Elsevier, Volume 139, Aug'19.
- Y.Arya, “Effect of energy storage systems on automatic generation control of interconnected traditional&restructured energy systems”, International Journal of Energy Research, Wiley, Volume 43, Oct'19.

Faculty members completed M.Tech/ Ph.D : Ms Jyoti Jain

Faculty members who took admission in M.Tech/ Ph.D:

- Ms Sapna Singh

## STUDENTS' ACHIEVEMENTS

- Saurabh Kumar, 5th semester, and his team, came 2<sup>nd</sup> in Inter-College Basketball Championship, in Oct'19, at GGSIP University, Dwarka, New Delhi.

## STUDENTS' ACHIEVEMENTS

- Rajat Govil (ECE II shift), Abhinav pandey (ECE, II shift), Akshit Sehgal (ECE II shift) and Shubh Ashish Purohit (CSE II shift) came 5<sup>th</sup> in the Battle of Bands, held at IIT, Roorkee.
- Rajat Singh stood 3<sup>rd</sup> in 'Varchasva' (Fashion Show), held at Tecnia Institute of Advanced Studies.
- Bhavik Arya achieved 2<sup>nd</sup> rank in Inter IP Basketball Tournament held at GGSIP University, Dwarka, New Delhi.

## FACULTY ACHIEVEMENTS

Paper presented in national/international Seminars/Conferences:

- Jayesh Kumar, Advancement and Challenges in Latent Heat Thermal Energy Storage System, in International Conference on Innovative Technologies in Mechanical Engineering at KIET Group of Institutions, in Oct'19.

Faculty members who took admission in M.Tech/ Ph.D:

- Mr. Narendra Singh
- Ms. Reenu

Projects undertaken:

- Dr. Swati Chaudhary got DST project entitled-'Physico-chemical Investigations of the binding interactions of NHE inhibitors with APOE3/APOE4 isoforms of human APOE gene' for funding under Teachers Associateship for Research Excellence scheme.



development involved in various studies related to science.

### An Expert Lecture by Dr. Servin Rathi

The Department of Applied Science, 2nd shift had organised an expert lecture on the topic "Single Atomic Layer based Semiconductor Devices and Research Opportunities in South Korea" in Oct'19, by Dr. Servin Rathi (Research Professor) from Sungkyunkwan University, Suwon, South Korea. The lecture mainly focused on new class of materials, popularly known as 2D materials that have attracted a lot of attention this decade, showing a great potential for exploring and realisation of advanced electronics and optoelectronics devices. The main interest was to generate good research spirit in the graduate students, to have

## IEEE ACHIEVEMENTS

- Best presentation in IEEE Delhi Section Congress 2019.
- Ranked 22nd and 25th, at national level, in IEEE Xtreme.
- Student representative from MSIT, Mr.Yashraj Garg, final year, ECE, attended an International Standards Conference sponsored by IEEE in Berlin.



better researchers in the future.

## COLLEGE SOCIETIES

### IEEE

#### Orientation Program

The orientation was held in Aug'19, with around 500 attendees. The event focused on introducing IEEE to the students. All chapter heads, Vice chairpersons and chairperson gave speeches, giving their own point of view and explaining their experience in IEEE and how it helped them along their journey. They also addressed how IEEE can help other students, who are new to college and want to grow as an engineer and as a person. The working projects were also displayed to show the students a little image of what they can do in IEEE.

#### Summer Project to Product Program

Summer Project to Product Program was a mentorship program by IEEE MSIT, aiming at providing students an opportunity to try their hands at implementing their ideas and learning about various technologies under the leadership of talented mentors along with refining their skills to produce a Product from a Project. This program was structured in such a way that it allowed the students to be mentors as well as mentees who will be working together on an idea by the students. The ideas could be from any domain of technology. It was held from 6th May, 2019 to 2nd August, 2019.

#### Introduction to PES (Webinar)

This was an online event held in Oct'19, to introduce PES chapter to the students. The speaker was Mr. Sidhant Bhat, Chairperson IEEE PES MSIT. The event was a doubt clearing interactive session with the students. Starting with a quick introduction of IEEE and PES, students were enlightened 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.

### Seminar on “Data Structures & Algorithms”

IEEE WIE MSIT and IEEE CS MSIT, in collaboration with Coding Ninjas, organised a workshop on Data Structures and Algorithm, in Oct'19. Coding Ninjas is an education startup founded by some smart engineers, graduated from one of the best engineering colleges from our country. The workshop started with introduction to the importance of starting early coding practice, by the volunteers of both the chapters. The speaker of the session was Ms. Nidhi Aggarwal, teacher of Coding Ninjas, who explained basics of data structures, need of data structures and algorithms, and also discussed some good coding problems.

### Workshop on Electronics and Circuit Design

A workshop was organised by IEEE MSIT AWP PCB lab, on 17th Oct'19. Students from various engineering fields, participated with full enthusiasm to learn how to make an LED Chaser. The event started with the volunteers giving a detailed introduction of one of the most popular types of LED driving circuit. They explained the working of each component used in the circuit and their functions respectively. After having understood each component, the participants started building the circuit by following the schematic.

### An Expert Lecture on “Progress and Power”

IEEE PES MSIT, in collaboration with Electrical and Electronics Engineering Department, MSIT, organised an expert lecture. 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.

### STAR Program

IEEE WIE MSIT organised a workshop on carrier counselling at Govt. Senior Secondary School, Gurugram, for class 9th . The main aim of the workshop was to make students aware of the different engineering fields and professions associated with it. WIE volunteers described contribution of engineering to development and the various domains of future innovation in engineering.



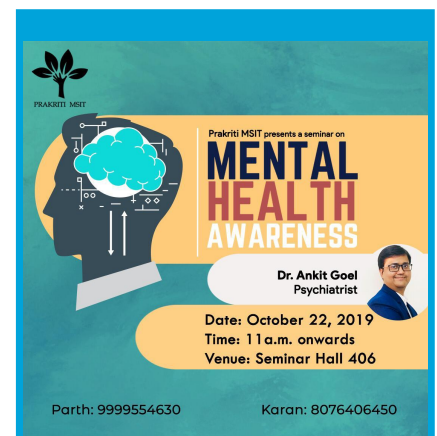
## PRAKRITI

### Seminar on “Mental Health Awareness”

A seminar was conducted, with the title of Mental Health Awareness, in Oct'19. The World Federation for Mental Health has been celebrating World Mental Health Day on 10th Oct'17 for the past 27 years. And in the series of above, Dr Ankit Goel, a Consultant Psychiatrist was invited as the speaker for the same. He has vast experience in Psychotherapy in addition to Pharmacotherapy. He is currently working with the Healthy Mind Clinic. Elucidating the topic of Mental health and awareness he addressed the students and the staff. He, then elaborated Suicide prevention, the theme for Mental Health Day, 2019.

### Animal Care Centre Visit

In order to rejuvenate that lost love and care, Prakriti - the Humanitarian and Environmental Society of MSIT organised a visit to Sanjay Gandhi Animal Care Centre on the occasion of World Animal Day, in Oct'19. This day recognises that each animal is a unique sentient and is eligible to receive social justice. Nutritious food items like milk and fruits were provided to the animals present there. There were different and organised shelters for all the species of animals present there. Proper vaccination and OPD's were allocated and every staff member managed the animals efficiently. Many team members took the dogs out for a walk too.



## Seminar on “Breast Cancer Awareness”

The month of October is observed as Breast Cancer Awareness Month worldwide. The campaign is aimed at educating people about the importance of early screening, detection and treatment of breast cancer. To support the cause, a seminar was organised on 17th Oct'19 and the speaker was Dr. Indu Aggarwal who works in the Department of Preventive Oncology at the Rajiv Gandhi Cancer Institute and Research Centre and has over 21 years of experience in the field of obstetrics and gynaecology. Beginning with a general outlook on all types of cancers, Dr. Aggarwal moved on to talk about the lifestyle changes that are resulting in an increase in breast cancer cases. She highlighted the importance of regular self-inspection and clinical self-examination for the early detection of breast cancer.



## Rally for a Crackers free Diwali

The team of Prakriti conducted a campus-wide rally on the occasion of Diwali to educate everyone about the harms of bursting crackers while celebrating Diwali. All the students were dressed in Ethnic-wear to celebrate and enjoy with their peers on the special occasion of Diwali. They enthusiastically marched around campus, spreading awareness on how they will be celebrating a crackers free Diwali and how everyone else should too. Prakriti MSIT and its team take the pollution and environmental changes happening around the globe very seriously and tries to take a step forward, whenever possible.



## MUTANTS- The Cultural Society

### Raunak

On the occasion of Diwali, students of OCTAVE, the Music Society, orchestrated “Raunak”, an open jamming session. A donation desk was set up, along with open hat collection for 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 showed their support by contributing from their end, towards the noble cause. As a result, over EIGHT THOUSAND RUPEES were collected and the money was utilised for the children of Bal Seva Orphanage on 30th October 2019. Members of OCTAVE visited the orphanage on the occasion of Diwali with sweets and provided them with a good meal as well.



### MossiQui 2019

MOSSIQUI took place on 27th August. This event was meant for auditioning the new musical talent in the college this year. Along with the auditions, it served as a reunion for all the alumni, who in their time, were associated with music and were part of OCTAVE. After a lot of deliberation, a handful of students were selected by the jury that comprised of Senior students as well as managing committee of our society and few became our trainees. The event lasted for about 8 hours with nonstop music performances and a positive atmosphere.



## MUTANTS ACHIEVEMENTS

- Prekshi Gulati, 2nd year, ECE won first prize at Swadeshi Mela Competition held at CCRT ground in Classical Group Dance Competition from Nitya Narta Group.
- In year 2019, Aarambh had been selected to perform in a cluster of villages under the scheme Unnat Bharat Abhiyaan.
- Shubh Ashish Purohit, Akshit Sehgal, Rajat Govil, Abhinav Pandey and Somansh Gaurav, from OCTAVE Music Society, MSIT secured 5th position in the finals of battle of bands, of the main fest of IIT ROORKIE held in Oct'19.
- Divyansha Dhawan, Muskaan Mehta, Rishabh Aggarwal, Prashant Mishra, Shubham Pathak, Prateek and Sudha of Unity, the street dance society of MSIT, grabbed 3<sup>rd</sup> position in street dance, as a team, in Oasis, which is one the biggest cultural fest of India, organised annually by BITS, Pilani.





## UNNAT BHARAT ABHIYAN

### Celebration on Innovation Day'19

On the occasion of the birth anniversary of visionary and well acclaimed proponent of innovation India , former president , Dr. APJ Abdul Kalam, Maharaja Surajmal institute of technology celebrated innovation day initiated by the MHRD innovation cell, Govt of India. The event was attended by prof. K.P. Chaudhary, director of MSIT and faculty coordinators along with the students. the winners of smart India Hackathon'19 were invited, which actually proved to be extremely successful in promoting innovation, out-of-the-box thinking in young minds. There were 8 members in the team and every one of them gave their insights and shared their success stories and inspired everyone.

### Awareness Camp

Under the aegis of UBA, Maharaja Surajmal Institute of Technology conducted an awareness camp in various villages. UBA teams of various villages from MSIT had conducted a survey noting and discussing all the problems the villagers were facing. In order to bring about a change herewith, teams organised an awareness camp with the motive of spreading awareness among the villagers about the solutions of the problems. With the help of posters and pamphlets made for the awareness camp, message highlighting issues faced by villagers and how to identify and handle them was conveyed.



## PLACEMENT COORDINATION TEAM

### Seminar on “How to tackle Interview questions and MBA as a career option?”

A session on how to tackle interview questions and prepare for MBA was held for the benefit of third year students on 23rd Aug'19 and the speaker was Mr. Alok Kumar from ITM Group of Institutions. He informed the students about the concept of skill finding, evaluation of personality, test of attitude which are considered as main parts of interview. He further told the students about the importance of communication skills especially in an interview. The session was made very practical and interactive as Mr. Alok Kumar conducted some mock interviews with the students present. At the end of the session, students were given a set of questions that can be asked during interviews. Mr. Alok Kumar also gave tips on how to prepare for MBA and the kind of questions that can be asked during interview and Group Discussion rounds of MBA entrance exams.

### Seminar on “First Impression”

A seminar was organised for the students of 2nd year, by the Centre of Soft Skills Development. The students were given an overview of the importance of First Impression in a corporate world , for interviews and general interaction in the real life, and how one's personality, appearance and the way of speaking affects their image. The trainers addressed the doubts of the students completely and made the session a great success and a good learning experience. Students learnt many tricks to impress the interviewers and realised how first impression plays the crucial role of a catalyst to achieve success.

#### Useful links for Students seeking placement

- [talentgrids.com](http://talentgrids.com)
- Careernet: [www.careernet.co.in/www/index.html](http://www.careernet.co.in/www/index.html)
- Hirepro [www.hirepro.in](http://www.hirepro.in)
- Freshersworld [www.freshersworld.com](http://www.freshersworld.com)
- Sarkarinaukri.com
- AoCocubes [www.cocubes.com](http://www.cocubes.com)
- Aspiring minds [www.aspiringminds.com](http://www.aspiringminds.com)





## THE SPORTING SPIRIT OF MSIT

### ACHIEVEMENTS

Medals won at University Annual Sports Meet 2018-19:

- \*Discus throw: Gold (Ashish Dagar, B.Tech (IT) IVth yr (M))
- \*Volleyball: Bronze (MSIT Boys)
- \*Basketball: Silver (MSIT Boys)

Students selected for North Zone Inter University championship:

- \*For Kabaddi: Anjali Bisht (CSE Ist yr (M)), Sejal Dabas (CSE IIInd yr (M)), Khushi (CSE IIInd yr (M)) and Simar (IT IIIInd yr (M)).
- \*For Badminton: Mandeep (CSE III yr (M)).
- \*For Volleyball: Ashish Dagar and Shivanshu Gusain of IT IVth yr (M).



## INCUBATION CELL INAUGURATION

The Incubation Cell was inaugurated by Sh. Mangu Singh Ji (Managing Director, DMRC), Er. Kaptan Singh Ji (President, SMES) and Dr. K.P. Chaudhary (Director, MSIT) on 30th Oct'19. The incubation cell establishment is the encouragement to the startups initiated by the students so that entrepreneurial culture may be promoted in the college. In today's world, when startups are exploding everywhere like never before, this cell will be helpful for students as well as faculty members to prove their worth in this thriving culture of Innovation and Technology, and will facilitate them for the same. Dr. Neeru Rathee, Convenor, Incubation Cell presented a brief of the entrepreneurial activities of the college, which were appreciated by all the dignitaries.

### INNOVATION CELL ACHIEVEMENTS

- Innovation Cell, MSIT has been awarded certificate with 3 stars by MIC, GoI for the activities conducted by IIC, MSIT during academic year 2019-20.
- Dr. Sudesh Pahal has been awarded appreciation certificate for activities conducted during 2019-20 as Convenor, Innovation cell, MSIT .
- The students of Innovation Cell, MSIT participated in National Boot camp and Proof of Concept Exhibition at AICTE Delhi organised by MHRD, GOI from 8-11 Sept'19. These students ( Joyender Roy Biswas and Parth Chopra) were the only team which got selected from Delhi, out of 47 selected teams across India. On the foundation day of MHRD Innovation cell on 11 Sept'19, they demonstrated their innovative project titled as "StrokeRehab" at AICTE Delhi. The IIC faculty members also attended the program.

### NEWS @ AICTE

- The All India Council of Technical Education (AICTE) has directed engineering colleges & technical institutions to allow student entrepreneurs to sit for examination even if their attendance is short.
- The colleges have also been asked to explore provisions of on-campus accommodation to student entrepreneurs and permitting semester break for working on their startups.

### UPCOMING EVENTS

- Genesis 2020, Cultural Fest of MSIT & MSI, will be held on 6th-7th Jan'20. Dr. Anju Dhillon, Applied Sciences Department, has been appointed as the Convenor for the same.
- Avenir 2020, the Technical Fest of MSIT, will be held on 8th-9th Jan'20. Dr. Shafali Madan, ECE Department, is the Convenor for the same.
- Enva 2020, Cultural Fest hosted by Prakriti MSIT, will be held on 8th-9th Jan'20. Dr. Savita Ahlawat, CSE Department, is the Convenor.
- The Sports Day 2020, will be held on 10th Jan'20. Dr. Vivek Solanki, of Physical Education Department, MSI, is the Convenor for the same.
- The Annual Day of MSIT will be held on 11th Jan'20. Dr. Archana Balyan, of ECE Department, has been appointed as the Convenor.
- International Conference ICAIA, 2020, is scheduled to be conducted on 7-8th Feb'20. Prof Poonam Bansal, Dept Director, is the Convenor of the conference.

## OUR HON'BLE DIGNITARIES

### Er. Kaptan Singh, President, SMES

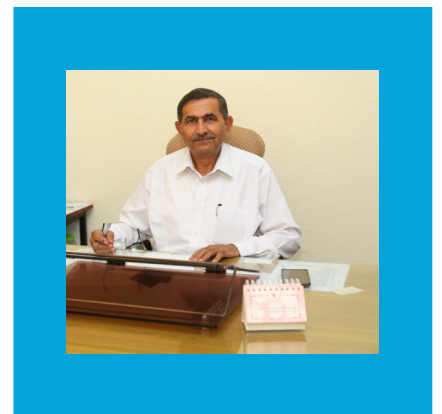
Er. Kaptan Singh, President Surajmal Memorial Education Society, graduated in engineering with Honors from Roorkee University, now IIT Roorkee, in 1966. He is Fellow of Institution of Engineers of India (F.I.E.), Member of Indian Associate of Hydrologists (MIAH) and Member of Indian Water Resource Society (MIWRS).

Er. Kaptan Singh took over as The President of the Society on 23.02.2019. He was also an Advisor of Technical Institutes run by Saroj Education Group. He has also served the Society(SMES) as Chairman Academic Committee and Chairman, School Management Committee of Shamli School. He is a prolific public servant who spent over 35 years in the U.P. Irrigation and other Water Resource Departments in progressive roles. He superannuated as the Managing Director of the U.P. Projects Corporation. After retirement from services, he worked as technical advisor in the U.P. Irrigation Department for design and planning of a technical museum and park at Lucknow. Subsequently, he was also a member of the evaluation committee, constituted by U.P. Govt. for the World Bank financed project for restructuring and restrengthening of U.P. Irrigation Department. The Technical fraternity of Indian recognised Er. Kaptan Singh as a Visionary leader, reformer and engineer. He lead the U.P. Engineers Association as Secretary General and as President. He hails from a family of farmers and established a non-profit organisation called Gramin Kalyan Sansthan in January 1987, that affect farmers and the rural population of India. Mr. Singh has also authored a book titled " Gaon Ki Buniyadi Samasyaein". He is the president of "Madhyam Sahityic Sansthan", a National Literary Society founded over 50 yrs. Ago.



### Prof. K P Chaudhary, Director , MSIT

Prof. K P Chaudhary did his M.Tech in Instrumentation from REC Kurukshetra, now, NIT Kurukshetra and PhD from IIT DELHI in Optical Instrumentation/ Metrology. Prof K P Chaudhary initially joined CSIO Chandigarh in 1980 and worked for about fifteen years in different capacities. In 1996, he joined National Physical Laboratory (NPL), Delhi as Senior Scientist. He has published more than 90 research papers in journals and International conferences. He has also registered 7 PATENTS to his credit and out of which six technologies have been transferred as consultancy projects. Since long, he is also associated with National Accreditation Board of Laboratory (NABL) and Bureau of Indian Standards (BIS) as Chairman of core / Supplementary committees and also as the Lead / Technical Assessor (NABL). He was working as Chief Scientist and Head at NPL before joining as Director , Maharaja Surajmal Institute of Technology, New Delhi on March, 1, 2016. He is also the member of many international and national scientific societies and reviewer of journals.



### Prof. Ashok Oberoi, Director Placements, SMES

From being B.Tech (Hons.) from IIT Bombay, LLB from MS University, Baroda, MBA from AIMA, he is presently working as Directors, Placements in Maharaja Surajmal Group of Institutions. In past, he had a brief stint with Fertilisers Corporation of India Limited as Executive Trainee, thereafter 22 years long spell with IAF as Permanent Commissioned Officer. He has been granted "New Era Award for Technology, Innovation & Quality in July 2010" & "The Majestic Five Continents Award for Quality & Excellence in July 2011" by OMAC, the World Renowned organisation based in Geneva/Paris. He has also been featured in an article "Excellence in Technological Education exhibited at its best", in a renowned magazine Business Sphere issue. The recognition for his excellent work has come through both International and National Awards, which includes an award by Geneva based organisation; Career Guru Award by Aspiring Minds, Shikha Ratan Award by IIFS & Best Citizen Award by International Publishing House. He got further recognition for the excellent work done by him through the receipt of two more awards, one in the individual caters while the other one the Institutional category from Education Council of India (ECI). The awards for his good work and contribution to Excellence in Education are "Bharat Saman Achievements Award" (Individual) & "Best Placement Cell in a Group of Institutions" (Institutional). He had earlier been instrumental in facilitating Maharaja Surajmal Group of Institutions getting the prestigious award "Diamond Eye Award for Quality Commitment & Excellence", along with TQM & TQCS accreditations from OMAC, the Paris / Geneva based International Organisation.





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