

Launch of Department of Law, MAIMS



Maharaja Agrasen Institute of Management Studies started BA. LLB, with a grand get together held at Hotel Taj Mansingh, Delhi on 20th August, 2017. Sh. Tejendra Khanna, erstwhile Lieutenant Governor of Delhi formally launched the Course by lighting the lamp. On this occasion a book titled 'Dr. Syama Prasad Mookerjee: Ek Shikshavid' authored by Dr. Nand Kishore Garg, founder chairman MATES & Chancellor, Maharaja Agrasen University and Ms. Namrata Sharma (Assistant Professor, Department of Humanities, MAIT) was released. Dr. Nand Kishore Garg in his welcome address said that we were witness to key changes in the society and we needed to play a positive and constructive role in negotiating such changes. The occasion saw the gracious presence of dignitaries, officials from judiciary, academia and bureaucracy.

Agrani Samkalp

अग्रणी संकल्प



उद्यमेन हि सिध्यन्ति
कार्याणि न मनोरथैः



सर्वे भवन्तु सुखिनः। सर्वे सन्तु निरामयाः॥
सर्वे भद्राणि पश्यन्तु। मा कश्चित् दुःख भागभवेत्॥

Maharaja Agrasen Technical Education Society



Dr. Syama Prasad Mookerjee : Ek Shikshavid, authored by Dr. Nand Kishore Garg & Ms. Namrata Sharma, published by National Book Trust was inaugurated by Dr. Mahendra Nath Pandey, Union Minister of State, HRD, and Shri Tejender Khanna, erstwhile Lt. Governor, Delhi. The book was also presented to Hon'ble President of India, Shri Ram Nath Kovind, Shri Venkaiah Naidu, Vice President of India and Shri Yogi Adityanath, Chief Minister, Uttar Pradesh.





डॉ. नंद किशोर गर्ग

संस्थापक की कलम से

19वें वार्षिकोत्सव की शुभकामनाएँ

मेट एवं मेम्स परिसर में मकर संक्रांति, गणतंत्र दिवस एवं बसंतोत्सव के सफल आयोजन के बाद आयोजित होने जा रहे वार्षिकोत्सव की आप सभी को हार्दिक शुभकामनाएँ। किसी भी संस्था के लिए 19 वर्ष की अवधि को बहुत लम्बा नहीं कहा जा सकता लेकिन इस अल्पावधि में महाराजा अग्रसेन टेक्निकल एजुकेशन सोसायटी ने जो स्थान भारत के शिक्षा जगत में हासिल किया है, वह निश्चित रूप से संस्था से जुड़े हुए सभी ट्रस्टी बंधुओं, दानदाताओं, शिक्षकों एवं स्टाफ के लिए संतोष एवं गौरव का विषय है। सोसायटी द्वारा संचालित महाराजा अग्रसेन इंस्टिट्यूट ऑफ टेक्नोलॉजी, महाराजा अग्रसेन इंस्टिट्यूट ऑफ मैनेजमेंट स्टडीज, महाराजा अग्रसेन विश्वविद्यालय एवं महाराजा अग्रसेन ग्लोबल स्कूल के माध्यम से आज नर्सरी से लेकर पीएचडी तक की शिक्षा सोसायटी द्वारा प्रदान की जा रही है। मेरी आँखों के सामने पिछले 19 वर्षों की यात्रा के एक-एक क्षण चलचित्र के समान जीवंत रहते हैं। जिस दिन मेट एवं मेम्स परिसर का शिलान्यास किया गया। उस दिन विश्व हिन्दू परिषद के संस्थापक माननीय अशोक सिंघल जी एवं दिल्ली के तत्कालीन उप-राज्यपाल माननीय विजय कपूर जैसे देश के लिए अपना पूरा जीवन समर्पित कर देने वाले महानुभावों का मार्गदर्शन एवं आशीर्वाद प्राप्त हुआ। इसी प्रकार मेट एवं मेम्स परिसर के उद्घाटन के अवसर पर भारतीय राजनीति में अपनी बेदाग छवि के कारण अज्ञात शत्रु जैसे जीवन व्यतीत करने वाले दो शिखर पुरुषों माननीय अटल बिहारी वाजपेयी एवं माननीय मुरली मनोहर जोशी का आशीर्वाद इस संस्था को प्राप्त हुआ। संस्था द्वारा जब बड़ी हिमाचल प्रदेश स्थित अटल शिक्षा कुंज में महाराजा अग्रसेन विश्वविद्यालय का शिलान्यास किया गया तो प्रदेश के तत्कालीन मुख्यमंत्री माननीय प्रेम कुमार धूमल जी का आशीर्वाद एवं पूर्ण सहयोग प्राप्त हुआ। विश्वविद्यालय के उद्घाटन समारोह में देश के तत्कालीन राष्ट्रपति माननीय प्रणव मुखर्जी की उपस्थिति ने संस्था के उद्देश्य एवं शिक्षा की गुणवत्ता पर एक प्रकार से मुहर लगाने का काम किया। इसके अलावा भी भारत के पूर्व राष्ट्रपति एपीजे अब्दुल कलाम जैसे लोगों का आशीर्वाद भी संस्था को प्राप्त हुआ। मुझे लगता है कि इन महानुभावों के आशीर्वाद एवं प्रेरणा का ही परिणाम है कि मेट इस समय देश के गैर सरकारी इंजीनियरिंग कॉलेजों की वरीयता सूची में पहले 10 स्थानों में सम्मिलित रहता है एवं इसकी सभी सीटें इन्द्रप्रस्थ विश्वविद्यालय का प्रवेश परीक्षा परिणाम घोषित होने के 15 दिनों के अंदर ही भर जाती हैं। मेट और मेम्स द्वारा प्रत्येक वर्ष 1600 स्नातक देश को प्रदान किए जा रहे हैं जिसमें इंजीनियरिंग, मैनेजमेंट, कॉमर्स, लॉ इत्यादि ऐसे पाठ्यक्रम हैं जिनको पूरा करने के बाद विद्यार्थियों को नौकरी की तलाश करने के लिए भटकना नहीं पड़ता एवं राष्ट्रीय तथा बहुराष्ट्रीय कम्पनियों नौकरी का प्रस्ताव लेकर स्वयं उनके पास परिसर में चली आती हैं। मेरा मानना है कि यदि आप निःस्वार्थ भाव से राष्ट्र निर्माण की भावना से कार्य करते हैं एवं उसके साथ महाराजा अग्रसेन जैसे दैवीय विभूति का नाम जुड़ा होता है तो सफलता में किसी प्रकार का संदेह रहता ही नहीं है। महाराजा अग्रसेन टेक्निकल एजुकेशन सोसायटी की सफलता का कारण यही है कि इसके संचालन के पीछे केवल और केवल राष्ट्र निर्माण की भावना है एवं किसी भी प्रकार का व्यावसायिक उद्देश्य नहीं है।

मेट एवं मेम्स परिसर इन्द्र प्रस्थ विश्वविद्यालय के अन्तर्गत चलने वाले शिक्षा संस्थानों में सबसे बड़ा है। इसके अन्तर्गत 3.50 लाख वर्गफुट एरिया कवर्ड है। संरचनात्मक सुविधाओं का निरंतर विकास एवं नवीनीकरण किया जाता है। इस वर्ष मेम्स को पूरी तरह वातानुकूलित बना दिया गया है। लड़के एवं लड़कियों के लिए स्वामी विवेकानन्द एवं सिस्टर निवेदिता के नाम से कॉमन रूम का निर्माण किया गया है। 200 किलोवाट का सौर ऊर्जा संयंत्र लगाया गया है जिससे पर्यावरण संरक्षण में संस्थान अपना योगदान दे सके। डीडिए द्वारा प्रदान की गई भूमि पर इस वर्ष 2000 वृक्ष लगाए गए हैं जिनके संरक्षण का दायित्व सोसायटी द्वारा वहन किया जा रहा है। आने वाले वर्षों में जब यह वृक्ष बड़े होंगे तो न केवल दिल्ली के प्रदूषण को नियंत्रित करने में योगदान देंगे वरन मेट एवं मेम्स परिसर की सुंदरता में भी चार चांद लगायेंगे। इसी प्रकार महाराजा अग्रसेन ग्लोबल स्कूल के लिए भी 50 हजार वर्ग फुट एरिया का निर्माण किया गया है। महाराजा अग्रसेन विश्वविद्यालय में 400 विद्यार्थियों के लिए छात्रावास का निर्माण कार्य पूर्ण होने की ओर है एवं 80 छात्राओं के लिए और छात्रावास सुविधा का विस्तार किया जा चुका है। विश्वविद्यालय में 300 किलोवाट क्षमता का सौर ऊर्जा संयंत्र लगाने का काम चल रहा है जिसे 31 मार्च तक पूरा कर लिया जाएगा। इस वर्ष विश्वविद्यालय परिसर के विस्तार के लिए 10 एकड़ जमीन और खरीदी गई है एवं इस वर्ष 31 मार्च तक महाराजा अग्रसेन विश्वविद्यालय का परिसर 50 एकड़ का हो जाएगा। इस विस्तार के बाद महाराजा अग्रसेन विश्वविद्यालय का स्थान गैर-सरकारी विश्वविद्यालयों की रैंकिंग में काफी ऊपर पहुँच जाएगा। इस प्रकार की उपलब्धि किसी चमत्कार से कम नहीं है क्योंकि जब सोसायटी द्वारा विश्वविद्यालय निर्माण की योजना बनाई गई थी तो अधिकांश लोगों को इसकी सफलता पर संदेह था लेकिन हमारे मन में इसकी सफलता को लेकर रंचमात्र भी संदेह नहीं था। इन सारी उपलब्धियों का श्रेय महाराजा अग्रसेन के आशीर्वाद एवं माननीय प्रेम सागर गोयल जी के नेतृत्व में काम करने वाली टीम को जाता है जिसके सदस्य अपनी व्यावसायिक व्यस्तता के बावजूद इस संस्था के लिए समय निकालते हैं। प्रत्येक मंगलवार को पदाधिकारियों की मीटिंग होती है जिसमें योजनाओं के निर्माण एवं क्रियान्वयन पर सार्थक चर्चा होती है एवं समयबद्ध तरीके से काम किया जाता है। इसके लिए पूरी टीम को मेरी ओर से हार्दिक बधाई। अंत में आप सभी को महाशिवरात्रि, होली एवं बैसाखी के पावन पर्व की हार्दिक शुभकामनाएँ।



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कार्याणि न मनोरथैः

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MAIT ANNUAL REPORT-2018

Respected Dr. Subramanian Swamy, Member of Parliament and Former Minister of Commerce and Industry & Law and Justice, Govt. of India, Dr. Nand Kishore Garg, Founder & Chief Advisor, MATES & Chancellor, Maharaja Agrasen University, Himachal Pradesh, ShriPremSagarGoel, Chairman, Patrons, Er. T. R. Garg, General Secretary, Shri Mohan Kumar Garg, Joint General Secretary, Shri O. P. Goel, Treasurer, Office Bearers and Trustees of MATES, Distinguished Guests, ShriGyanendraSrivastava, Chief Executive, MATES, Prof. Neelam Sharma, Prof. Bhatt, Prof. Jain, Dr. Deswal, HoDs, Faculty and Staff Members, Dear Students, Ladies & Gentlemen.

On this auspicious day, I as the DirectorGeneral of MAIT take this privilege to present the Annual Report of Maharaja Agrasen Institute of Technology (MAIT).

MAIT was established by the Maharaja Agrasen Technical Education Society on November 15, 1999. MAIT has completed 18 successful years and has entered in the 19th year. Presently, we have B Tech courses in 5 Engineering Branches i.e. ECE, CSE, MAE, EEE & IT and a Management Course, MBA, all approved by AICTE and affiliated to GGSIP University. In the present Academic session, in the B Tech First year, we have an annual intake of 960 students in 5 Engineering Branches and 180 students in MBA. MAIT runs classes in 2 shifts. Presently, a total of 3849 students are studying in Engineering and 356 students are pursuing MBA course at our Institute.

Till date, 5733 students of the fifteen batches from the year 2003 to 2017 have completed their engineering graduation from this Institute. Starting from the 2004-06 batch, 1274 students have completed their MBA degree from the Institute in 12 batches.

During the Academic Session 2016-17, 817 students have completed their B. Tech. degree course, 200 in Distinction and 603 in First Division. 170 students have completed MBA, 134 in Distinction and 36 in First Division.

With the dedicated and hard work put in by the faculty and staff members and the academic and placement results achieved

by our students, we have come along way. It has undoubtedly a moment of immense pride for all of us who have been part of this inspiring journey. To recognize their loyalty and contribution to the Institute, the faculty and staff members who had completed 15 years of service, were felicitated with the Long Service Award during the last Teachers Day function.



-Prof. (Dr.) M L Goyal
Director General

Over the last several years, regular meetings of the Society's Managing Committee, held on every Tuesday, have been playing a very important role in furthering activities and growth of MAIT. Open discussions on various issues related to the Institute are held in these meetings which provide us continuous guidance for improvement and help in taking steps in future directions.

Like earlier years, this annual report owes a great deal to the Founder & Chief Advisor, Chairman, Board Members and the Trustees of the Society, who, since inception, sought at every turn to advance Maharaja Agrasen Institute of Technology's educational mission, insisting that excellence and quality are the appropriate goals for the Institute, and that deep knowledge, strong character, discipline, dedication and an understanding of one's responsibilities in this world are to be the hallmarks of an individual with a degree from MAIT.

In 2013-17 batch, based on cumulative marks of 4 years, Ms. Vasudha Pareek has taken 1st position among the students of all the institutes in B. Tech. (EEE) branch in the GGSIP University. Ms. Vasudha Pareek is being given the Institute Award for getting 1st position in the University. The award carries a certificate and Rs. 51,000/-. In MBA 2015-17 batch, based on cumulative marks of 2 years, Ms. Khushboo Gulati has taken 1st position among the students of all the institutes in MBA in the GGSIP University. Ms. Khushboo Gulati is also being given the Institute Award for getting 1st position in the University. The award carries



Long Service Award

a certificate and Rs. 51,000/-. Mr. ShyamLal is being given Institute Award with a certificate and Rs. 31,000/- for securing 2nd position in MBA in all the institutes of GGSIPU.

Three B. Tech. students of MAIT have topped in the University examinations in their respective branches during the academic year 2016-17. They are: Ms.Shubhi Jain, B. Tech. 1st year CSE branch, Mr. Sahil Chopra, B. Tech. 2nd year EEE branch & Mr.ShubhamGarg, B. Tech. 3rd year ECE branch. They are being given Institute award of Rs. 11,000/- each. Ms. Apurva Gupta of B. Tech. 3rd year ECE is being given Institute Award of Rs. 5,100/- for securing 2nd position in her branch in the University examination during the academic year 2016-17.

Further, the top 3 students at the Institute level, in each branch of B Tech and MBA, for all the current batches are being awarded Merit Scholarships along with cash award of Rs. 5100/-, Rs. 3100/- & Rs. 2100 respectively to the 1st, 2nd and 3rd rank holders. Our best wishes to them to better this trend in the subsequent examinations. During the last 12 semesters, we have also given merit certificates to all those students who have received up to 20th rank in semester examinations of the University.

We are grateful to Shri Sunder LalGoel, Vice Chairman, MATES for sponsoring the above Awards.

This year, "VandanaGoyal Memorial Award" is also being presented to Ms. VasudhaPareek of B. Tech. EEE branch for securing highest marks among all the girl students of their B. Tech. Batch in MAIT, based on cumulative results of 4 years. This award carries a certificate and Rs. 51,000/-. One more award was added in this category from last year. Ms. Kriti Jindal of B. Tech. IT branch is being presented "VandanaGoyal Memorial Award" for securing second highest marks among all the girl students of their B. Tech. Batch in MAIT, based on cumulative results of 4 years. This award carries a certificate and Rs. 31,000/-.

As per the prevalent practice, like earlier years, economically poor and needy students have been given financial support towards their Tuition and Hostel fees during this academic session. More than 117 students have been permitted to defer payment of their Tuition and Hostel fees.

The placement drive for the B. Tech. 2013-17 and MBA 2015-17 batches had been excellent with 715 and 120 job offers respectively. For the 2014-18 B. Tech. and 2016-18 MBA batches, which are yet to pass out, the placement drive is progressing well. Till date, 404 and 70 job offers have been received by the students of B. Tech. and MBA respectively.

The Joint Inspection Team of the Department of Higher Education, Govt. of NCT of Delhi and GGSIP University has placed our Institute again in Category 'A', 9th year in succession. There is no other Engineering Institute affiliated with GGSIP University which has been placed in Category 'A', continuously for the last 9 years. It's a matter of proud for all of us that this year again, our Institute was the first amongst all the non-governmental Engineering Institutes under GGSIP University in which B. Tech. First Year seats under Delhi-General category, were filled during the 1st Counseling.

DATAQUEST, in its DQ-CMR all India Survey Report of Top T-Schools 2017, (June, 2017 issue) has ranked MAIT at the 10th position amongst the survey of Top 100 Private Technology Schools. Aspiring Minds has presented National Employability Award 2018 to MAIT for being amongst the top 10% colleges in India that excelled in AMCAT, Aspiring Minds Computer Adaptive Test, for the 7th consecutive year. The award is based on the performance of final year students in AMCAT 2018



Smart India Hackathon 2017

Smart India Hackathon 2017, organized by MHRD & AICTE, was a pan India 36 hours nonstop digital programming competition. For the 598 problems posted by government departments, the ideas to solve them were received from 7531 teams with 42,000+ participants from more than 2100 colleges across India. Each team comprised of 6 students including at least 1 girl student and 2 mentors. Of these 7531 teams, 1266 teams (around 10,000 participants) were shortlisted for Grand Finale held on April 1-2, 2017. During this competition, these teams worked nonstop for 36 hours to build products based on their ideas across 26 locations in India. 12 teams from MAIT participated in Smart India Hackathon 2017 from which 6 teams were shortlisted for the Grand finale, 3 teams under AICTE, one team each under ICMR, ISRO & DAE. Team Extrapolate of MAIT won the First Prize of Rs. 1 lakh in the competition held under

AICTE category. Members of the team were B. Tech. students; Somin Wadhwa, Raunaq Jain, Prashasti Gupta, Akshay Sharma, Aviral Gupta and Dhruv Kuchhal. The management of the Institute also rewarded the team by giving them a matching amount of Rs. 1 lakh/-. Another team CML2.0 won a consolation prize of Rs 10,000 under Indian Council of Medical Research (ICMR) category. Members of the team were B. Tech. students; Samraj Agarwal, Deepanshi Bansal, Punya Achman, Sankalp Sharma, Tamal Dey and Aman Mittal. CML2.0 team worked on the Problem Statement - Creating Games for prevention of Dengue and Chikungunya. Punya Achman of this team also received Deloitte Innovation Award of Rs. 10,000/- in this competition. The management of the Institute rewarded this team by giving them a matching amount of Rs. 20,000/-. Remaining 4 teams were also awarded cash prizes of Rs. 10,000/- each. Dr. Namita Gupta, HoD, CSE Department coordinated participation of these teams in this competition. To participate in the Smart India Hackathon 2018, 65 teams of MAIT, each team consisting of 6 students have already got registered.



Hackathon organized by CAMTech X

A Hackathon was organized by CAMTech X, Massachusetts General Hospital and Lattice Innovations at IIT Delhi on 11-12 March, 2017. The name of the event was CAMTech X Jugaadathon. It was a healthcare Hackathon that spread for continuous span of 33 hours. There were a total of 150 students in 17 teams. Students from renowned institutes and universities such as IIT Delhi, IIT Kanpur, IIT Ropar, NSIT and DTU etc. participated in this event. Students of B. Tech. (MAE) 3rd year formed a team called MECHTECH for participation. The team comprised of Aditya Roy, Chetan Mishra and Sarthak Jain who worked under the supervision of Mr. Naveen Solanki, Assistant Professor, Deptt. of MAE. The team won the First prize of

Rs. 35,000/- in the event. The management of the Institute also rewarded the team members by giving them a matching amount of Rs. 35,000/-.



VISAKA

50 students from various departments of the Institute participated in the event "Vittiya Saksharta Abhiyan (VISAKA)" launched under National Digital Financial Literacy Campaign involving the Higher Education Institutes in India to spread awareness about digital transactions. 6 B. Tech. students; Megha Mahna-IT, Neha Jain-IT, Sabhyata Bhardwaj-IT, Shruti Garg-ECE, Harshita-EEE & Mayuri Gupta-CSE; were awarded Tablets for their contribution by the Union Ministers Shri Prakash Javadekar and Shri Ravi Shankar Prasad during the National Convention of VISAKA held on March 8, 2017 at Vigyan Bhavan.



Team Jatayu

Team Jatayu consisting of 40 students of MAE Department's SAE Collegiate Club was crowned as the Champion of the Enduro Student India 2018 held at Coimbatore in January 2018 for securing All India 1st Position and won prizes of Rs. 1.4 Lakh.

Three students of MAE Department, Mr Tushar Gulati, Mr Raghav Maheshwari and Mr Akshay Aggarwal designed an atomizer Nozzle, called "Neerr", which fits with domestic tap and converts water coming out of the tap into millions of

tiny droplets, creating a heavy mist, shooting out of the tap. This increases the surface area of water drastically and makes the efficient use of water while washing. They demonstrated its working at Innovation & Incubation Foundation at DTU, Delhi on August 24, 2017. Students are encouraged to go on Industrial visits. A number of such visits were organized by our Departments during the year. The Student Chapters of various professional societies such as IEEE, ACM, IETE, SAE and CSI etc. formed at MAIT have organized a number of activities like invited talks, seminars and workshops for their members in the institute during the year. Our students have also participated and won several prizes in different cultural and sports events organized by GGSIP University and various other institutes, universities & organizations.

Presently, our total faculty strength is 223. Six faculty members have completed their Ph.D. this year. They are: Dr. Shalini Mishra from Applied Science Department, Dr. Ashish Khanna & Dr. Deepak Gupta from CSE Department, Dr. L. P. Singh from EEE Department, Dr. Anju Bharti and Dr. Sanjeev Kumar from MBA Department. 35 faculty members are presently pursuing for their Ph.D. degree. During Teachers Day function, faculty members are awarded certificates and cash prizes for their special contribution in academic results and for writing text books.

Our Support Staff has been playing a very important and vital role in running this Institute. Presently, its strength is 196. They look after various functions in the Laboratories, Workshops, Library, Hostel, Academic Section, Accounts Section, etc. and are responsible for several activities including maintaining students' records, accounting operations, upkeep, cleanliness and security of the campus.

To augment the infrastructure and facilities for learning in the Institute, continuous up-gradation is done in our classrooms, workshops and laboratories. A number of new class rooms and labs have been set up in the Institute due to change in syllabus and up gradation in technology. This year, we have purchased a large number of books, several machines, tools and test equipment for different labs. A number of computers along with required software were also procured. We have replaced our old Website and Mail Servers with high capacity Servers. The Internet band width has also been increased from 179 MB to 274 MB. Wi Fi access has been provided in the Library and all the Blocks of the Institute. This year, RFID based attendance system for B. Tech. 1st year students have also been started.

We sponsor our teachers to attend Faculty Development Programmes, Seminars, Conferences and Workshops. Our

own departments have also organized such programmes. During the last summer vacation, all the departments had organized Faculty Development Programmes for their Faculty members for the duration of one or two weeks. 27 seminars and workshops were also organized by these departments in the Institute. A course on Scilab was organized for 3rd year MAE students with the Spoken Tutorials Project of IIT Bombay. 185 students attended the course successfully. The evaluation was done through online examinations in April 2017 and certificates to all successful students were provided by IIT Bombay. A large number of research papers were published by the faculty members in International and National Journals & Conference Proceedings of repute. All these faculty members were given Appreciation Certificates during the last Teachers Day function. DRDO has sanctioned a 3 year research project of Rs. 32.60 Lakh to Prof. R S Gupta, ECE Department (PI) & Dr. S. S. Deswal, Dean (Co-PI).

Sports are an integral part of our training and we have taken steps to enhance the sports activities in the Institute. 7th Maharaja Agrasen Annual Volleyball Tournament was organized on November 2-3, 2017. 32 teams from various educational institutions from the National Capital Region and Himachal Pradesh participated in the Tournament. The tournament was won over by the team from B. R Ambedkar College, Delhi University with the Winner Trophy and a cash prize of Rs. 10,000/-. The teams from ARSD College, Delhi University and Bhagat Singh College (Evening), Delhi University came at 2nd and 3rd positions and were awarded with cash prizes of Rs. 7,000/- and Rs. 5,000/- respectively. The team from Maharaja Agrasen University, Baddi, Himachal Pradesh finished at the 4th position and was also awarded a cash prize of Rs. 5,000/-. Mr. V. K. Saini, Assistant Professor, IT Department, coordinated this tournament. Dr. Nand Kishore Garg, Founder & Chief Advisor, MATES announced during the prize distribution function on November 3, 2017 that to give fillip to this tournament and making this even more prestigious, the award money will be enhanced from the next tournament. The winning team will be awarded the Winner Trophy and Rs. 51,000/-. The teams coming at 2nd, 3rd and 4th positions will be awarded Rs. 31,000/-, Rs. 21,000/- and Rs. 11,000/- respectively. Annual Sports Fest, SPORTZ - 2018 was organized on January 31 and February 1, 2018. A large number of Students, Faculty and Staff members participated in variety of indoor and outdoor games and athletics during this Sports Fest and won several prizes. Best Sports Person (Male) and Best Sports Person (Female) were awarded to Mr. Mohit Saneja, B. Tech.(IT) 3rd year and Ms. Rijul Jain, B. Tech.(CSE) 4th year

respectively. Mr Anil Kumar Dahiya, Assistant Professor, MAE Department coordinated the Sports Fest.

Annual Family Get-together of the Trustees, Faculty and Staff members is scheduled to be held on January 11, 2018 in the Institute campus. It will be an occasion to mingle with each other and know little bit more about others. Several activities have been planned for this event.

A Blood Donation Camp was organized at the Institute in association with the Armed Forces Transfusion Centre, Delhi Cantt. and the Rotary Clubs of Delhi Rajdhani, Gurugram and Faridabad on January 23, 2018. A record 787 units of blood were collected on this occasion. Mr. Harsh Joshi, Assistant Professor, MAE Department coordinated this event.

Alumni Meet 'MAIT SMRITI-2018' was organized on January 27, 2018. 235 Ex-Students participated in the Meet. Discussions on a wide range of topics were held during interactions. Some of these students are budding entrepreneurs and they are working on interesting and innovative projects.

A number of events were also organized in the Institute. On commencement of the new Academic Session (2017-18) and welcoming of the newly admitted students, a Hawan ceremony was organized on August 1, 2017. Dr. Mahendra Nath Pandey, Hon'able Minister of State for HRD (Higher Education), Govt. of India was the Chief Guest. On this occasion, Dr. Pandey congratulated MAIT for being an excellent Engineering Institute. He praised, appreciated and lauded its efforts in imparting quality and ethical education to the students.

Dr. Michael Cremo, World's Renowned American Scientist gave a lecture on "Revisiting Human Origin" on February 16, 2017. A presentation on Educational Utilization of Standards by Bureau of Indian Standards, New Delhi was held on March 4, 2017. Gachhadhipati Gurudev Acharya Shrimad Vijay Dharmdhurandhar Surishwarji Maharaj gave a Discourse (Pravchan) on March 9, 2017. Dr. Balbir Singh Sihag, Professor Emeritus, University of Massachusetts, Lowell, USA delivered a talk on "Kautilya, the True Founder of Economics" on March 9, 2017. The Annual Fest Techsurge&Mridang 2017 was organized from April 6 to April 8, 2017. A large number of students from Delhi and NCR participated in its various competitive events. Dr. Naveen Sharma, Chief Medical Officer, BalajiNirogdham, Delhi delivered a talk on "How to keep Good Health" on June 8, 2017. To observe the "SwachhtaPakhwada" during 1st to 15th September, 2017 an Essay Competition was

organized for MAIT Students. The topic of the essay was "Innovative ways for spreading the message of hygiene". First 3 winners in the competition were given cash prizes of Rs. 5100/-, Rs. 3100/- and Rs. 2100/-. Maharaja Agrasen Jayanti was celebrated on September 21, 2017 by offering floral tributes on the Maharaja Agrasen Statue. On this occasion, newly constructed Boys and Girls Common Rooms and 2 newly built lifts were inaugurated. Basant Panchmi was celebrated with floral tributes to Goddess Maa Saraswati statue on January 22, 2018 and by organizing a Hawan ceremony. An essay competition on the topic "Importance of Basant Panchmi" was also organized on this occasion. To Celebrate 69th Republic Day, Flag Hoisting Ceremony was held on Thursday, January 25, 2018 in the Institute followed by a patriotic musical presentation by "Sur Aradhana".

All these events, organized in the campus, were a huge success and were liked by one and all.

Our students belong to a generation born in the post-economic reforms era. They are ambitious and focused. They have hopes and dreams. They will have access to enabling technology and greater economic opportunities. Presently, there are endless possibilities for them in India. A lot of things are happening in the country at the same time: urbanization, privatization, technological advances, better communication and reformed governance. It's a time of free enterprise and freer thinking. Change is all around us and every constant is being challenged. It is our duty that we make our students fully capable to face the real life challenges successfully and strong enough to survive the environment effectively so that they contribute positively and significantly to the society and become partners in the nation building and global growth.

We reiterate that we are deeply committed to strengthen our educational system. I would like to convey my deepest gratitude to you all for your guidance and help. Thank you all for your encouragement, ongoing involvement and support in our successes. Thanks to our Founder & Chief Advisor, Dr. Nand Kishore Garg, who has steered the Institute in an excellent manner since its inception. I am sure with his blessings and the guidance of our Chairman, Shri Prem Sagar Goel, Management Committee Office Bearers and Members & Trustees, and cooperation and support of Faculty and Staff members & their families, Students and Alumni; we will continue our journey on the right path with excellence and achieve our targets to fulfill aspirations of all concerned.

Thank you very much.

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15TH ANNUAL REPORT-MAIMS

Respected Chief Guest, Dr Subhramaniyam Swami, Member Parliament of India, Presiding officer of this session, Dr. Nand Kishore Garg, Advisor and Founder Chairman MATES, Chancellor Maharaja Agrasen University; Shri Prem Sagar Goel, Chairman MATES; distinguished trustees of the governing body; parents, colleagues, students, ladies and gentlemen.

While extending my warm greeting to all those gathered here on the auspicious occasion of the 15th ANNUAL DAY of the Maharaja Agrasen Institute of Management Studies, I would like to apprise all and sundry that MAIMS added another feather to its cap by starting BA. LLB and BA. Eco. (Hons.) courses. This expansion was without any compromise on the quality of teaching in any manner, as MAIMS continue to play a seminal role in providing top notch management, media and law education to its students. We are preparing corporate leaders and media moguls with a world view and Indian values for the last 14 years.

MAIMS contains three pillars namely, students, faculty and trustees. Let me start by recounting the achievements of those very close to our hearts, i.e, our students.

Our students have earned laurels for the institute by getting national and international recognition on various occasions.

Viplesh Yadav of 2014-2017 BBA batch has been selected as a delegate for Harvard Conference, Harvard Project for Asian and International Relations, 2018. This is the second consecutive year wherein our students have been selected to represent India in such a prestigious conference.

Saurabh Goel of B.Com (Hons.), 3rd year, 2015-2018 batch has attended a 2 week course in Harvard Summer School.

Devanshu, Kartik Bhalla and Manav were the top 3 college toppers in the ICICI StockMind Direct competition. Devanshu and Kartik Bhalla will be representing our college at the National Level for the next round to be held in March, 2018.

Nishant Jain of BBA, 3rd year, 2015-2018 batch has conducted various workshops, seminars and talks on topics, such as, digital marketing, strategy for start up, and inner beauty, at various prestigious colleges, like, Miranda House, Sri Guru Gobind Singh College of Commerce, Shaheed Sukhdev College of Business Studies of Delhi University, Guru Teg Bahadur Institute of Technology, and Northern India

Engineering College of GGSIPU, Thapar University, Patiala, Banasthali University, DPS Indirapuram.

Aditiya Goyal was selected by Bhatinda District legal service authority, Government of Punjab for providing para legal services to jail inmates and general public.



Our team of students comprising of Chaitanya Kapila, Harshit Madan and Divy Gupta of BBA 2nd year won best presentation award out of 50 teams from all over India in Technia Institute of Advanced Studies.

During the academic session 2017 - 18, our students have stood second to none in securing top ranks in the university. Here I would like to mention the name of Sparsh Bansal of BBA Ist year, 2016-19 batch, who secured 2nd position in GGSIP University. Palak Kamra of BBA IInd year, 2015-18 batch secured 2nd position in GGSIP University. In B.Com, 3rd year student Bhavya Arora of 2014-17 batch has made us proud by bagging a second rank in the GGSIP University. From BJMC department, Dhruv Baniyal and Vaibhav Ratra of BJMC 2016-19 batch have secured 2nd and 3rd university positions respectively in their Ist year. Further, Saryu Bhargava and Nidhi Singh of BJMC II year, 2015-18 batch have bagged first and second University ranks respectively in their 2nd year of BJMC course. While from 3rd year BJMC, Shruti Niraj of BJMC 2014-17 batch secured 3rd position in her 3rd year in GGSIP University. These University toppers from BBA will be getting Satyawati Jain Memorial Award. Congratulations to these university toppers.

In the academic session 2017-18, as many as 20 students of BJMC, 4 from B.Com and 8 from BBA were subject toppers in the university.

Many of our students are actively involved in writing blogs for various national and international platforms.

Our students won accolades for their contributions both in and outside the premises of MAIMS. Our dramatic society, 'Samagra', won various positions in inter college street play competitions held in various prestigious institutes like IIT Ropar, National Institute of Fashion Technology; colleges of Delhi University and GGSIP University. This group also won 2nd position in their debut performance in a stage play

competition held at Institute of Technology and Science, Ghaziabad.

Swarag, the musical society, won 1st prize in Indian and Western solo and 2nd in Group singing competition organized by Vivekanand Institute of Professional Studies. They won 1st prize in classical solo category and 2nd prize in group singing in Anugoonj, GGSIPU. They also won 2nd position in classical solo in Khalsa College, Delhi University.



Our dance troupe Urban Hoppers was crowned with the title of "the most popular team across Delhi NCR" by FM Fever 104. They also made us proud by bagging various positions in institutes, like, Ramjas College, Satyawati College, Shyam Lal College (Delhi University), IBS Gurgaon, BVIMR and IMS, Ghaziabad. They received consolation prize in Indian Institute of Management, Lucknow for their performance.

'What a Click' our official photography club was appointed as photography partners for Women's Conclave organized by Karori Mal College, University of Delhi.

We in MAIMS believe that sports is an integral part of students personality development. Our students participated and won various positions in different colleges and universities. Just to mention a few:

In table tennis, our team of students comprising of Jatin Ahuja, Sanyam Mahajan, Hiren Kardam and Abhishek Chauhan won the gold medal in the tournament organized by I.I.T -BHU National Sports Fest 2017 held on 27th - 29th October, 2017. Sanyam Mahajan bagged the best player award for securing 1st position in table tennis tournament organized by I.I.T-BHU. In another table tennis event, organized by Symbiosis Law School, Jatin Ahuja and Abhishek Chauhan secured 1st position in doubles held in 2017. Our table tennis players - Jatin Ahuja, Abhishek Chauhan, Hiren Kardam, Ishita Gupta and Sanyam Mahajan

have won 2nd position in Maharaja Agrasen University Table tennis tournament held in January, 2018.

I am proud to share that in 2017 our college basket ball team has bagged the 1st position in the basket ball tournament organized by Delhi Yuva Khel Mahotsav from 25th -31st March, 2017. The other accolades our basket ball team have won are, they have secured a gold medal at IIIT Noida Sports FEST held on 4th February, 2018 and have also secured 2nd position in basketball tournament organized by Maulana Azad Medical College and Vardhman Mahavir Medical College.

Our kabaddi team, comprising of Sreyansh Shukla, Akshay Narwal and others, won the 1st positions in the tournaments organized by Symbiosis Law School, Noida (11th March, 2017) and The LNM Institute of Information Technology (26th -28th January, 2018). They also won 3rd position in the Kabaddi tournament organized by I.I.T - BHU National Sports Fest 2017.

Fazil Zaidi won 3rd position in the event of body building competition organized by G.G.S.I.P.U. on 14th October, 2017.

In case of placement it is a matter of pride that Samarth Pundir of BBA 2014-17 was placed in McKinsey and Co. MAIMS is the only institute in GGSIP University to offer placement facility to under - graduate students. This year we have provided as many as 170 offers to our students. We are confident of providing more offers as this activity is scheduled to continue till the end of academic session. We are pleased to share that some of the most prestigious international and national organizations like Amazon, IBM, Tech. Mahindra, Piramal Group, Ernst & Young, Club Mahindra, Naukri.com, Urban Clap, RBS, Concentrix, etc. were among 60 well - known companies which have visited our campus this year.

Educational institutes are defined by the quality of their faculty members. Research is an integral part of MAIMS faculty schedule. In the previous year, five of our faculty members - Dr Manoj Verma, Dr Jagat Jyoti Barua, Dr Ekta Dargon, Dr Sunita Tank and Dr Nirdosh Kumar received their PhD degrees from Maharashi Dayanand University (Rohtak), Maharashi Dayanand Saraswati University (Ajmer), University of Rajasthan, NIMS University, Rajasthan and Delhi School of Economics, Delhi University, respectively. Four of our faculty have enrolled for their PhD program in the year 2017. And one of our faculties Ms Rachita Aggarwal has co-authored 2 books in the area of accounting; and Prof Vijay Kr. Khurana has released the 2nd revised edition of book titled 'Management of Technology Innovation and Change.'

This year our faculty has contributed 9 chapters in various management books and 3 of our faculty members - Dr Manju Gupta, Ms Nitika Sharma and Ms Parul Kumar have been resource persons at various institutes, conducted FDPs and have delivered guest lectures. And I had the privilege to be a key speaker in Maharaja Agrasen University, Badi, Himachal Pradesh.

In addition, 34 teachers have published / presented over 76 research papers in the various prestigious journals, such as, International Journal of Exclusive Management Research, International Journal of Research in Commerce & Management, etc. The faculty members have attended 28 Conferences and over 19 Development programs. Dr Umesh Pathak has presented a paper and chaired a session in an International Conference held in Thailand. Ms. Priyanka Garg got a paper published in the proceedings of the 17th International Joint Conference Central & Eastern Europe, held in the University of Economics, Prague. Ms Nisha Singh attended a 1 month UGC sponsored Orientation programme in Guru Nanak Dev University, Amritsar. Ms. Nidhi Chaudhry was selected out of 90 applicants from across the country to participate in the ICSSR sponsored capacity building workshop on 'Social Science Approach to Disaster Research', conducted by Jawaharlal Nehru University.

Mr. Ravi Jain was awarded Bharat Ratna Dr. S. Radhakrishnan Memorial National Teacher's Award for his excellent performance in the field of education by Indraprastha Siksha Evam Khel Vikas Sanghathan.

Ms Parul Kumar was awarded Best Business Academic of the Year (BBAY) by All India Commerce Association with a Silver Medal for Best Research Paper and Ms. Nitika Sharma was awarded with 'Second' best paper at IMR Doctoral Conference 2018 held on 3rd & 4th January 2018 at Indian Institute of Management, Bangalore.

MAIMS conducted a National Economic Summit which was graced by Sh. Govindacharya, social thinker, Dr. RK Pillai, Deputy Director, University of Mumbai, Sh. Deepak Karanjeekar, economist, Prof. B. B. Chakarborty, Ex-Director

Indian Institute of Management, Ranchi, and P. Kanagsabhpati, author and social activist. We also organized a week long Faculty Development



Program on Research Methodology using SPSS and AMOS wherein we had participants from Ahmedabad, Patiala, Chandigarh, Agra, etc.

To develop professional acumen among our students MAIMS organised ICICI lecture series, Times lecture series, and guest lecture from eminent educationists /professionals and people of repute, special mention can be made of Prof S. C. Raina, Vice Chancellor, Central Law University, Himachal Pradesh; Mr. Neeraj Rajput from ABP news, Mr. Manoj Raghuvanshi, reputed journalist and Prof. Firdos Vani, Registrar, Jamia Hamdard University, to mention a few.

MAIMS organized a parliament visit for the Law students, a media meet for our BJMC students, industrial visits for our BBA students and regular events of debate, article writing, poster making, etc were conducted throughout the year to hone the skills of our students.

MAIMS keeps a hawk's eye on the day-to-day happenings in the country and its faculty members have expressed their opinions on vital issues through established newspapers, All India Radio and reputed websites, etc. The faculty of MAIMS have expressed their opinions on various issues in an apolitical manner and are thereby contributing their bit to the nation's development.

MAIMS has left no stone unturned in case of co-curricular activities. Our annual fest, Genesis has reached to its zenith over the years and has become a news item for various news channels. We also organized a photography fest - Chayankan and a film festival - Artisco with much fanfare. In order to bring the flavor of festivals to our college we organized Navaratri with dandiya dance, Lohri and Makar Sakranti with traditional bonfire and drums. We also celebrated Swami Vivekananda Jayanti and Netaji Subhash Jayanti with much enthusiasm.

Finally, we at MAIMS feel that there is no end to learning and much remains to be done after the completion of each stage as learning is an unending process. We hope to attain new heights in the years to come.

Our report will be incomplete in all its perspective without extending our heartfelt thanks to our trustees who stand as a rock behind every initiative taken by the MAIMS fraternity. It is due to their relentless support that MAIMS today occupies a distinct place of its own in the educational institutions of the country.

Lastly, I Prof M. K. Bhat, Director MAIMS, would like to express my thanks to all and sundry for their encouragement and support to MAIMS. ○



Prof. (Dr.) Neelam Sharma
DIRECTOR, MAIT

MESSAGE

I convey my best wishes for the year 2018 to all of you.

MAIT believes in promoting quality standards in Technical and Management Education. We understand that students have to be transformed in high academic ambience to become sound professionals. Faculty members guide and monitor the students in such a way that they can fulfil the needs of the industry and society in a committed and dedicated manner.

MAIT believes in working with a clear mindset on focused Goals. I wish to add a quote:

“None can destroy iron, but its own rust can; likewise none can destroy a person, but his own mindset can.” --Ratan Tata

I wish the core team of *Agrani Samkalp* good luck and congratulate them for their efforts.

SPORTZ - 2018

Maharaja Agrasen Technical Education Society, organised its annual sports fest **“SPORTZ-2018”** at college campus on 31st Jan & 1st Feb' 2018. Various sports events for students were held on both the days. For faculty members and non teaching staff, the events were held on Second day i.e. 1st February' 2018. The atmosphere of the college took a festive look on the inauguration day.

Mr. C. Uday Kumar, Deputy Commissioner, North West Zone, Delhi was the Chief Guest for the inaugural function. Other dignitaries were Prof. M.L. Goyal, Director General (MAIT), Prof. Neelam Sharma, Director (MAIT) and Prof. M.K. Bhat, Director (MAIMS). Dr. S S Deswal, Dean Academics (MAIT). In his welcome address, **Prof. M L Goyal**, encouraged the participants with his motivational and inspirational words of wisdom and emphasised on the importance of sports in life. He advised the students to never give up and always have high self-esteem and he concluded his speech with the saying **“Winner never quits, quitter never wins”**. Chief Guest of the day, Mr C. Uday Kumar emphasised on importance and necessity of sports in the students' life and stressed on our prime minister's slogan **‘Kheloge Kudoge to Banoge Lajawab’**. He also highlighted the achievements of the scheme **‘Beti Bachao and Beti Padhao’**.



Shortly after this, the event was declared open by the chief guest with the release of balloons. The event commenced in full swing with students participating in numerous competitions such as Race, shot put, long jump, discus throw, rope skipping, badminton, carom, chess, table tennis etc. for both boys and girls. Approx. 570 students participated in total. The atmosphere was lively and inspiring to witness as participants showed extreme talent and flair. For faculty and non teaching staff, the events held were athletics, shot put, long jump, discus throw, rope skipping, badminton, carom, chess, table tennis, lemon spoon race and brisk walking. It was very inspirational to see the faculty and staff members participating with full enthusiasm.

Prize distribution ceremony was held on second day (1st February, 2018) and the winners were bestowed with medals, certificates of acknowledgement of victory by the Chief Guest of the day, **Sh. Umesh Gupta, Vice- Chairman (MATES), Sh. Mohan Garg, Joint General Secretary (MATES).**

Ms. Rijul Jain (4th year, B.Tech, CSE, MAIT) and **Mr. Mohit Saneja** (3rd year, IT, MAIT) were awarded with Chairman's Trophy for best Sports Person of Year for girls and boys respectively. The event was very well coordinated by **Mr. Anil Kumar Dahiya**, Assistant Professor (MAE Deptt.) and his team. Ms. Garima Sharma, Ms. Surbhi Upadhyay, Ms. Sonia Jain and Ms. Vatsala Khanna Arya compered the event.

7TH MAHARAJA AGRASEN ANNUAL VOLLEYBALL TOURNAMENT



Maharaja Agrasen Institute of Technology has organized 7th Maharaja Agrasen Annual Volleyball Tournament on 2nd -3rd November, 2017 in the Institute Campus. Tournament was inaugurated by Dr Nand Kishore Garg, Founder Chairman and Chief Advisor MATES, Er. T.R. Garg, General Secretary MATES, Shri Umesh Gupta, Vice Chairman, MATES and Shri Mohan Garg, Jt. General Secretary MATES on Thursday, 2nd November, 2017 at 10:30 AM. Many Trustees of MATES and Senior academicians from MAIT and MAIMS graced the occasion. 40 teams from various education institutions got registered for the event; and 32 teams participated in the tournament. The tournament was based on knock-out format with three games per match. 32 matches were played, and 7th Maharaja Agrasen Annual Volleyball Tournament ended with a great Showdown, where B. R Ambedkar College grabbed the Title, and Atma Ram Sanatan Dharam (ARSD) College secured the Second Position. Shaheed Bhagat Singh (Evening) College came Third and Maharaja Agrasen University (Baddi) finished Fourth.

On Saturday, 3rd November, 2017, Shri Sunder Lal Goel, Vice Chairman, MATES, Sh. Jagdish Mittal, Vice Chairman, MATES and Sh. Gyanendra Srivastava, Chief Executive, MATES, gave away the prizes to the winning teams. The Prize winners were :

- 1st Prize Winner - Dr. Bhim Rao Ambedkar College, DU (Winner Trophy & Rs. 10,000)
- 2nd Prize Winner - Atma Ram Sanatan Dharma College, DU (Cash prize of Rs. 7000)
- 3rd Prize Winner - Shaheed Bhagat Singh Evening College, DU (Cash prize of Rs. 5000)

4th Prize Winner - Maharaja Agrasen University (Baddi) (Cash prize of Rs. 5000)

Prof. (Dr.) M. L. Goyal, Director General, MAIT, congratulated all the winning teams. Also, he acknowledged the efforts of Mr Vinay Kumar Saini, Mr. Shyambir Rana, and Mr. Vikas Gupta; and their team members for successful organization of the event. He added that the Founder and Chief Advisor MATES, Dr. Nand Kishore Garg has communicated to announce the enhanced award money for the 8th Maharaja Agrasen Annual Volleyball Tournament to be held next year. The awards for next edition of the tournament will be as:

- 1st Prize Winner - Rs. 51,000/- + Winner Trophy
- 2nd Prize Winner - Rs. 31,000/-
- 3rd Prize Winner - Rs. 21,000/-
- 4th Prize Winner - Rs. 11,000/-

He also thanked all the players, MAIT staff members and the gathering for supporting the Tournament.



MINI COLLOQUIA ON INSIGHTS OF EMERGING NANOSCALE RESEARCH DEVICES

A Mini Colloquia was jointly organized by IEEE EDS-Delhi Chapter and Department of Electronics and Communication Engineering, Maharaja Agrasen Institute of Technology (IP University, New Delhi), Rohini, New Delhi, India on "Insights of Emerging Nanoscale Research Devices" on December 11, 2017 at Maharaja Agrasen Institute of Technology Rohini, New Delhi, which was supported by IEEE Electron Devices Society.

The Seminar commenced with the welcome address by Director, MAIT, Prof. Neelam Sharma. She welcomed the distinguished speakers Prof. R. P. Jindal, Prof. Bin Yu and Prof. Vijay K. Arora, the organizing committee Prof. R.S. Gupta, Chairman, IEEE-EDS Delhi Chapter, Dr. Subhasis Halder, Vice Chairman IEEE-EDS Delhi Chapter, Dr. Sneha Kabra, Secretary, IEEE-EDS Delhi Chapter, Dr. Manoj Saxena, EDS SRC Vice Chair-Region 10, Prof. Mridula Gupta, Former Chairperson, IEEE-EDS Delhi Chapter, distinguished guests, and faculty members. Prof. R S Gupta, Chairman, IEEE-EDS Delhi Chapter addressed the audience on the occasion, and briefed about the speakers and the sponsors of the event. He explained the importance of keeping abreast with the latest technologies and trends in electronics to be competitive. Prof. Mridula Gupta, Former Chairperson, IEEE-EDS Delhi Chapter delivered the vote of thanks.

The schedule of the seminar was as follows:

Session I:

Name of the Speaker: Prof. R. P. Jindal

Topic: Noise Performance challenges for MOS devices at nanoscale channel lengths

Prof. R. P. Jindal, Fellow, IEEE, Vanderziel Institute of Science and Technology, LLC, Princeton, NJ, USA discussed the refinements in the device structure that have led to improvement in the noise performance by suppressing the effects of extrinsic noise mechanisms in MOS devices.

Session II:

Name of the Speaker: Prof. Bin Yu

Topic: 2D Carbon/Semiconductor: Materials, Devices, and Interconnects

Prof. Bin Yu, IEEE Fellow & IEEE EDS Distinguished Lecturer, State University of New York discussed graphene (two-dimensional carbon sheet) and its derivative material systems that have received significant amount of research interests from both academia and industry

Session III:

Name of the Speaker: Prof. Vijay K. Arora

Topic: Ohm to Arora: A New Paradigm for Nanoscale Devices and Circuits

Prof. Vijay Arora from Wilkes University, USA,

discussed the paradigm shift from Ohm's Law. The experimental nonlinear I-V characteristics, when voltage across the length of a resistor is higher than its critical value, defy ohmic and ballistic transmission through a nano-resistor. Arora's Law embraces well the Ohm's Law when applied voltage is smaller than the critical voltage. He discussed the ongoing research in this area.

The seminar was informative to all, and introduced the latest technologies and trends in the Industry at a global level.



SEMINAR ON RECENT ADVANCEMENTS IN ELECTRONICS

A seminar was conducted by the Department of Electronics and Communication, MAIT on Recent Advancements in Electronics on 31st March 2017 for the students of 6th Semester ECE, which was sponsored by Society for Microelectronics and VLSI & IEEE-EDS Delhi Chapter. Notable speakers from diverse areas such as academia, industry and defence participated in the Seminar, and enlightened the audience about the latest developments happening in their respective fields.

The Seminar started with an address from the Director and Head of Department, Electronics and Communication Department, Dr. Neelam Sharma. She started her address by thanking all the speakers for sparing their valuable time. She also thanked Dr. R. S. Gupta for the sponsorship of the Seminar. The next speaker was Director General of MAIT, Dr. M. L. Goyal, who talked about the need to stay updated about the current advancements in the field of Electronics and Semiconductors. He remarked about the changing nature of technology and the scale of development from 1965 to 2017. He talked about the great difference in size, speed, capacity, cost, reach, quality, power consumption, and ease of operation. He discussed about the impact technology has on a person, a society, and a nation. Dr. Sunil Mathur gave

the vote of thanks, and once again thanked all the speakers for sharing their knowledge and giving their valuable time. He thanked the Director General for his cooperation and constant support. He also thanked all the faculty and staff for organizing the seminar.

The first lecture was of Professor Anurag Sharma, Head of Physics Department, Indian Institute of Technology Delhi. He gave a lecture on

“Light at work”. He called light as an ‘enabling technology’ that has helped in many important discoveries such as Astronomy, Medical Sciences and Physics etc. He talked about the history of LASERS, and how LASERS have made a very important contribution in our lives and in technologies such as CD-ROMs, Guidance, and Ranging etc. He also talked about the LEDs and how the LEDs have revolutionized lighting in terms of the cost and efficiency. He also discussed about Holography, and how it works. In the end he touched upon fibre optics, and how it was changing the communication.

The second speaker was Dr. (Mrs) S. Shekhar, Associate Director ER & IPR-DRDO. She gave a lecture on “Electronic Warfare”. She first explained the concept of electronic warfare, and also laid down the objectives of electronic warfare. She discussed and explained the different types of Electronic Warfare namely Electronic Attack, Electronic Counter-Counter Measures and Electronic Support Measures. She talked about the need for a nation to have a dedicated Electronic warfare capability. She also mentioned about other domains of warfare such as Cyber and Space warfare. In the end she gave examples of various types of Electronic Warfare systems, and motivated the students to join DRDO to strengthen the National Defence.

The third speaker was Mr. Ish K. Bhargava, Managing Director-India Operations & Founder, Spectross Digital systems Pvt Ltd. He gave a lecture on “High Performance Computing”. He started his lecture by explaining the various types of Processors available such as CPU, GPU and FPGA. He defined each of these types, and compared their characteristics with each other. He then proceeded to concentrate on FPGAs, since they have the fastest processing speed, highest power saving, higher affordability and lesser real estate requirements. He then talked about the uses of FPGA in high speed computing, and the ease of re-programmability of the FPGAs. He also showed the students the FPGA based



CAMPUS NEWS

computer his company had developed. It had numerous features such as ease of operation, various methods of input (Command Line Interface or Graphic User Interface or E-Application). He invited the students to take part in research activities to make India an electronics hub.

The seminar concluded with the talk by Dr. R. K. Sharma, Director, Solid State Physical Laboratory, DRDO. He gave a lecture on Indigenous Semiconductor Technologies for Defence Applications. He started off by explaining the role of his laboratory, and then showed the various products that his laboratory had made such as Transceiver modules, High Speed Data Links, Directed Energy Weapons Components.

He talked about the cutting edge research his laboratory was currently working on such as MMIC, ASIC/ROIC High Power TWT, Microwave Amplifiers etc. He also talked about various other systems such as MEMS sensors, High Power LASER diodes and Monolithic μ /mm wave ICs. He informed the audience about the latest GaN technology, and how it is widely replacing other technologies in diverse fields such as Phased Array Radar, Electronic Warfare & Communication system, Data Links, Smart Antenna, Impulse Radar, and Pulse Band Ultra Wide Band Radar. He motivated the students to become partners in India's Defence by joining DRDO.



TEAM OF MAE STUDENTS INCUBATED BY INNOVATION AND INCUBATION FOUNDATION (IIF-DTU)

Students of MAE-MAIT presented their Innovative idea at INNOVATION AND INCUBATION FOUNDATION (IIF DTU) on 2 June, 2017 to Dr. Manoj Sharma (CEO, IIF) in a one to one meeting. It was a multidisciplinary event, in which, around 100 teams of students had applied, and 43 teams were shortlisted for the second round. In the second round, the team presented the business plan to a panel of 8 experts from different industries on 26/07/17. The panel analysed the feasibility of the business model and financial projections. Out of those 43 teams, only 8 were granted incubation at IIF, DTU.

Students of MAE-MAIT formed a team called ZeFi Labs for participation. The team working under the supervision of Mr. Naveen Solanki, Assistant Professor, Deptt. of MAE, comprised of following students:

1. Tushar Gulati MAE
2. Raghav Maheshwari, MAE
3. Akshay Aggarwal, ME



The ZeFi Labs team presented Neerr to the Hon'ble Chief Minister Sh. Arvind Kejriwal and Deputy Chief Minister Sh. Manish Sisodia on 24/08/17 at

IIF. Neerr was appreciated by all the dignitaries, who were present at the event. It was heartening to note that the Govt. of NCT of Delhi was interested to see the start-up working in the domain of sustainable development, and also offered it's support.

Having got an initial fund of Rs. 1.5 crores from the Govt. of NCT of Delhi, for IIF to invest for promoting entrepreneurship among students, the faculties along with the students and alumni led start-ups for creating innovation led employment in Delhi and NCR.

The start-up 'Zefi Labs' will get a seed fund of 'Rs.10 lacs from IIF, along with the mentorship from industry experts. The company will also be provided office space, lab and factory facilities at DTU.

ABOUT THE PROJECT

Neerr is an atomizer Nozzle designed to fit with every domestic tap which converts water coming out of the tap into millions of tiny droplets, creating a heavy mist, shooting out of the tap. This Increases the surface area of water drastically and makes the efficient use of water while washing.

Water saving is the primary objective of Neerr, but there is no compromise with the functionality. Also, drop should integrate with the Interiors. Hence, aesthetics have been maintained with the design.



VISIT TO DOORDARSHAN, DTH EARTH STATION, TODAPUR

An Industrial visit was organized by the Department of Computer Science and Engineering for the students of 2nd and 3rd year to Doordarshan, DTH Earth Station, Todapur, Delhi 110012, on 2nd Nov 2017. Dr. Namita Gupta, HOD, CSE and Mr. Ashish Sharma coordinated the event. 45 Students along with three faculty members (Mr. Ashish Sharma, Dr. Pooja Gupta, and Ms. Ruchi Goel) visited the site.

Inside the campus, the whole setup was divided into categories: Uplink and Downlink. Uplink setup consisted of satellite dishes and high

power amplifiers (HPA) used to receive signals from regional centers, and uplink them to the satellites using Ku-band; whereas the downlink setup (baseband station) consisted of encoders, switches, routers, multiplexers, and duplexers.

Doordarshan is handling 80 channels at present, and the upgrade plan is going on to handle 2500 channels.

Students gained practical knowledge about the real time data centers and transmission of information across the globe.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING INTERACTION WITH THE ALUMNI

Alumni Interaction Session was conducted in CSE Department for 2nd and 3rd year CSE students on 28.10.2017 in room no 114, Block-1. Mr Ashish Sharma and Mr Alok Sharma coordinated the event. Session started at 11 am with a PowerPoint Presentation given by three Alumni's of 2011-2015 Batch - MsArushi Arora (presently working as Data Scientist at ZS Associates), Mr Pranav Gupta (presently working as Quality engineer at Cvent India Pvt Ltd,

and Mr. Rohit Gupta (presently working as software web developer at 3clogicPvt Ltd). During the presentation, seniors addressed their juniors about how to utilize the opportunities provided in the Institute for building

up a career in engineering field.



They also gave the students a great insight to the activities conducted by the Institute for promoting the character and the personal well-being. They enlightened the students about the sessions on Soft Skills, Group Discussion, and Aptitude Training etc. conducted in the Institute and suggested to include them as necessary part of their Study Group activities. Towards the end of the session, there was an interactive session, where students gained knowledge about how to face an interview, what companies to focus on and how to prepare themselves as a Competent Engineering Graduate. The session lasted for four hours.

SAE COLLEGIATE CLUB, MAIT

A one day workshop was organised by SAE Collegiate club, MAIT on "Modern prototyping techniques: Introduction to 3D printing" in MAE department, on 13th November 2017. The main speaker was Mr. Priyam, Co-founder, CADX Solutions.

This workshop had two overarching objectives: (i) To create awareness among the faculty about the developments in the prototyping technologies; and (ii) To demonstrate the working of a 3D printer developed by CADX.

The event was attended by SAE collegiate club Student members, all faculty members of the MAE department along with Prof. (Dr.) V. K. Jain (Dy. Director-2nd Shift), HOD Dr. V.N. Mathur, Prof. (Dr.) Ram Kishore (HOD-Applied Science), and laboratory staff of MAE department. The workshop was conducted in four phases. The first phase included a lecture on prototyping technologies.

In the Second phase Mr. Priyam introduced the audience to the 3D printer developed by his company. Basic techniques and terms were also discussed. The audience were also showcased the importance of the printer calibration by printing defective parts.

In the third phase Mr Priyam showcased some of the already printed models. The models included both moving and stationary parts, thereby showing the audience that a 3D printer is suited for a wide range of applications. A test cube was designed and printed, to illustrate the machining



time and dimensional accuracy to the audience. The test model was then circulated among the faculty members to dimensionally evaluate it. Once they were satisfied, Mr Priyam moved on to the next phase.

The fourth phase included a Question and Answer session. Questions regarding the capabilities of 3D printer were asked. The futures of the technology as well as the company were discussed. The esteemed faculty pointed out a lot of shortcomings and advised on how to combat them. Mr. Priyam answered all the questions gracefully.

The faculty also recommended setting up of a 3D printing lab in the MAE Department. They felt that such a tool would help students understand many concepts of prototyping better and also it would help them in creating parts for their projects.

LATE SHRI K. C. GARG MEMORIAL LECTURE SERIES



16th Lecture Series in memory of Late Shri K. C. Garg was organized on 30th November 2017 (Gita Jayanti). Chief Guest Dr. Prof. Mithilesh Chaturvedi delivered his views on "Self Management in Shrimad Bhagwat Geeta". Other Hon'ble guests were Shri Deepak Mishra, Special D.G. Police (CRPF), Dr. Urmil Vats, Associate Professor, SPM College (D.U.), Dr. Anil Aggarwal, Maharaja Agrasen Hospital, Dr. B.B. Channa, Maharaja Agrasen Hospital and Dr. Subhash Gupta, Maharaja Agrasen Hospital. It was presided by Shri Prem Sagar Goel, Chairman MATES. The winners of K.C. Garg memorial debate competition were awarded with certificates and trophies. The intellectual discussions on self-exploration through the Gita were made possible on the stage by the able guidance and support of Sh. B. L. Mahajan.

UDAAN'17 Management Talent Hunt

Management Talent Hunt, UDAAN'17 was organised by Department of Management (MBA) on 28th October, 2017 at Maharaja Agrasen Institute of Technology. The inauguration of this mega event was done by Shri Mohan Garg ji, and Director General MAIT Prof (Dr.) M.L.Goel by lighting of lamps and taking blessings from Goddess Saraswati. They motivated students through their words of wisdom. It was also attended by Prof. (Dr.) Ram Kishore, Dr. Kusum Sharma, Dr. S.K.Gupta along with some faculty members from Department of Management (MBA). Welcome address was given by HOD, Prof. (Dr.) Ravinder Jit; and vote of thanks was given by Dr. Anju Bharti. UDAAN'17 was full of different activities like Karyashala related to supply chain management, IPL Bidding, Ad-Mad show, Corporate Stylo quotient, and T-Shirt Painting. It was well managed by the students and they learnt a lot of things while performing. The winners were awarded with the prizes and the certificates at the end of the mega event.



EXPLORING THE UNKNOWN HORIZONS



The workshop cum seminar was conducted at the Department of MBA, MAIT on 14th October, 2017. Mr. Ashok Bhardwaj an alumnus of IIT and IIM-Ahmedabad, currently working as a consultant along with other speakers had shared their rich entrepreneurial experiences with budding MBA students. Prof. (Dr.) Ravinder Jit, HOD, and faculty, Department of MBA, MAIT welcomed the esteemed guests. Prior to the session, Mr. Ashok had given some questions which were to be answered by students just to know the attitude and thinking process of the students. He gave various suggestions required in life through the answers given

by the students like inculcating values such as positive attitude, hard work, consistency, and need of risk taking to achieve goals. He changed a audience's perspective on luck, success, and

fear of being an average human. He guided audience on topics like streamlining thoughts, business ethics, and dealing with failures, time management, communication skills and importance of networking. He also shared his learning experiences during working in corporate world. Overall; it was an enlightening and interactive session.

He concluded the session with the following messages:

BE COMFORTABLE INSIDE YOUR OWN SELF.
UNDERSTAND CONSTRAINTS OF NEARBY SYSTEMS.
BE GRATEFUL TO GOD.
KEEP ALIVE YOUR ETERNAL QUEST FOR LEARNING.



HANDS-ON WORKSHOP ON “ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING”



Department of Information Technology successfully organized a One-Day Hands on Workshop on “Artificial Intelligence and Machine Learning” in association with VMDD Technologies, on Saturday, 28th October 2017. Prof.(Dr.) M. L. Goyal, Director General, MAIT, addressed the gathering and explained the necessity of such Hands on Workshop by delivering his valuable views, which he earned from years of experience.

Er. Devanshu Shukla, Project Manager, VMDD Technologies, conducted the session on Artificial Intelligence and Machine Learning. Artificial Intelligence (AI), and Machine Intelligence, (MI) is intelligence displayed by machines, in contrast with the natural intelligence (NI) displayed by humans and other animals. Machine learning is a subset of AI. That is, all machine learning counts as AI, but not all AI counts as machine learning. Machine learning is dynamic and does not require human intervention to make certain changes. That makes it less brittle, and less reliant on human experts.

Er. Devanshu Shukla explained the concept of Chat bots and also how to implement them. He gave useful insights on the basics of Node Js and its application in creating Chat bots, designing a Chat bot without coding was also explained. An online test was conducted by VMDD at the end of the session, and e- certificates were distributed to the participants.

The session proved to be very helpful for faculty and

students alike. The event was coordinated by Dr. M L Sharma, HOD, I.T. Department, Dr. AmitaGoel, Associate Professor, Ms. Shreya Arora, Assistant Professor, and Ms. Vandana Choudhary, Assistant Professor, Department of Information Technology.

Over 30 students, more than 30 Assistant Professors and Associate Professors participated in the event with great enthusiasm, and were also awarded with the Participation Certificates by Prof. (Dr.) M. L. Goyal, Director General, MAIT. All the students and faculty members are extremely grateful to the Director General and Management for conduction of this workshop. ○



Siddharth Hans and Jaideep Singh, Alumni, MAE, MAIT, developed a technology to reduce injury problems in Athletes under the guidance of Dr. Jaskirat Kaur (Indian Spinal Injuries Center, Delhi)

INDUSTRIAL VISIT TO MOTHER DAIRY PLANT, PATPARGANJ

Industrial visit is a part of the educational tour which provides students with an opportunity to learn practically through interaction, working methods and employment practices. An industrial visit to Mother Dairy Plant, Patparganj was organized on 05/10/2017 for the students of Mechanical and Automation Engineering Department. The students were accompanied by faculty members of MAE Dept. The Department arranged a bus and instructed the students about the decorum needed to be maintained on the premises. The refreshments were served when the bus left the college.

The students got excited and curious after reaching the Mother Dairy Plant. They were directed to a conference room; where, they were welcomed by the Assistant Manager, who gave a presentation on the vision, mission, quality standards followed, and various products manufactured by the Mother Dairy. Then, the students were taken to the production line; where, they were shown the step by step procedure of milk processing. At Mother Dairy, processing of milk is done through state-of-the-art microprocessor technology, which integrates, and completely automates all functions of milk processing; and ensures high product quality, reliability and safety. The various stages of milk processing like clarification, standardization, homogenization, pasteurization etc. were shown and



Mother Dairy Plant, Patparganj

explained to the students. In addition to this, parabolic solar collector plant, rain water harvesting plant and effluent treatment plants used by the Mother Dairy were also shown to students.

On the completion of the visit, the appetite was duly taken care with some refreshments. This industrial visit was an informative journey for the students, which will benefit them in their internships and in further career enhancement.

“Travel, in the younger sort, is a part of education; in the elder, a part of experience” - Sir Francis Bacon

INDUSTRIAL & EDUCATIONAL VISIT TO MTNL ROHINI, DELHI

Industry interface enables students to analyze and understand the ever changing dynamics of the industry. An industrial and educational visit for exposure of practical knowledge of B.Tech(IT) students, as suggested by Prof.(Dr.) M. L. Goyal, Director, MAIT, was organized by IT Department under the guidance of Dr. M. L. Sharma, HOD, IT on 10th Oct, 2017. The purpose of this technical industrial visit to MTNL, Sector 5, Rohini, Delhi, was to make the students aware of the functioning of Landline Telephone system, and ADSL Broadband Network. The students of B.Tech(IT) 3rd semester participated in this technical visit.

We are grateful to Er. Mukul Kamble, General Manager (North), MTNL Delhi for providing with an enlightening tour of the telephone exchange. He explained working of



MTNL Sector 5 Rohini Exchange

MTNL Landline, Broadband Network Service and IoT (Internet of Things). The station is currently providing service to more than 10,000 customers in Rohini. The session was very informative and thought provoking. This visit will help the students to understand the concepts of multiplexing, digital transmission, switching, routers, optical fiber, IoT & ADLS.

Ms. Nariender Kaur, Assistant Professor & Mr Nitesh Wadhera, Assistant Professor were the coordinators of the visit. The students of B.Tech.(I.T.) 3rd semester are indeed grateful to Prof.(Dr.) M. L. Goyal, Director General and Management of MAIT for facilitating this technical trip to MTNL, Delhi. Finally efforts of officials at MTNL, SEC-5, ROHINI Telephone Exchange deserve more than appreciation for their support and services.

INDUSTRIAL VISIT AT I.T.T.M.(GOVERNMENT OF DELHI)

The industrial visit is considered one of the most tactical methods of teaching. It provides students with an opportunity to learn practically through interaction, working methods and employment practices. Moreover, it gives exposure to the useful information related to the practical aspects of the educational course. After concrete efforts of Department of Information Technology, the students of B.Tech. (IT) of MAIT got this esteemed opportunity to have an Industrial Visit to a prestigious institute ITTM, Shadipur, New Delhi on 11th October 2017. The students of B.Tech.(IT) 3rd Semester participated in this industrial and educational visit. Students got the opportunity to understand the latest in Telecom Technology & IT like Transmission, Switching, GSM, 3G, 4G, Broadband, IT and get exposure to Digital switches, Transmission Network & Equipment, the latest State-of-the-art NGN switch, GSM, MSCs, Intelligent Network switches, Broadband NOC & MPLS and IP networking. On behalf of all management and students, we take this opportunity to thank the entire team of ITTM, Shadipur, New Delhi for providing us with the practical information and for explaining the technical aspects. Ms. Nidhi Sengar and Ms. Vasudha Bahl were the main coordinators of this industrial visit. The students of B. Tech (IT) 3rd semester are indeed grateful to Prof.(Dr.) M. L. Goyal, Director General and Management of MAIT for facilitating this technical trip to ITTM, New Delhi.



INDUSTRIAL VISIT AT HUAWEI, GURUGRAM, HARYANA

Industrial interface enables students to analyze and understand the ever changing dynamics of the industry. An industrial and educational visit for exposure of practical knowledge of B.Tech. (I.T.) 5th semester students, suggested by **Prof. (Dr.) M. L. Goyal**, Director General, MAIT, was organized by IT Department on 27th October 2017.

The students went to the Huawei Technologies, CyberPark, Gurgaon, Haryana. Huawei Technologies Co. Ltd. is a Chinese multinational networking and telecommunications equipment and services company headquartered in Shenzhen, Guangdong, China.

Huawei was founded in 1987 by RenZhengfei, a former engineer in the People's Liberation Army. At the time of its establishment, Huawei focused on manufacturing phone switches, but has since expanded its business to include building telecommunications networks, providing operational and consulting services and equipment to enterprises inside and outside of China, and manufacturing communications devices for the consumer market.



Students get a chance to explore the labs and saw different equipments related to ITC technologies.

Huawei's cloud computing products provide the reliability, agility, and price-performance needed to deliver cutting-edge applications and services quickly, safely, and securely.

Dr. Amita Goel, Associate Professor, Ms Vasudha Bahl, Assistant Professor and Ms. Meenu Garg Assistant Professor were the main coordinators of this industrial visit. The trip was indeed very informative and enlightening for the students.

The students of B.TECH (IT) 5th semester are indeed grateful to **Prof. (Dr.) M L Goyal**, Director General and management of MAIT for facilitating this technical trip.



INDUSTRIAL VISIT TO NATIONAL SMALL INDUSTRIES CORPORATION LTD. (NSIC)

Department of Information Technology, Maharaja Agrasen Institute of Technology organized a one day Industrial visit to National Small Industries Corporation Limited, Okhla Industrial Estate, New Delhi on 13th October 2017 for B.Tech(IT) Engineering students. The visit was organized with the prior permission and guidance of our worthy Director General, Prof.(Dr.) M.L. Goyal.

National Small Industries Corporation Ltd. (NSIC), is an ISO 9001-2008 certified Government of India Enterprise under Ministry of Micro, Small and Medium Enterprises (MSME). NSIC has been working to fulfill its mission of promoting, aiding and fostering the growth of small industries and industry related micro, small and medium enterprises in the country.

In order to inculcate a desire to become entrepreneur among the students, NSIC has devised a unique "Entrepreneurship Orientation Programme" (EOP). The program is specially designed for the students, who are still pursuing their studies in Schools/Colleges/Institutions and do not have any idea about Entrepreneurship.



Enterprise development is one of the thrust areas of the Corporation. The objective to promote to "entrepreneurship development" is being achieved through Training cum Incubation Program run by the Corporation through its own Technical centers. Projects placed in Incubator for training on projects

- Pet Bottle Making Project
- Biscuit/Bread Making Project
- Soya Milk Making Project
- Paper Plate Making Project
- Wire Nail Making Project
- Form Fill & Sealing Project for Liquids/Granules/sachet
- Flour grinding & Packing Project

- Toilet Soap Making Project
- Detergent Powder Making Project
- Solar Lantern Making Project
- Toilet Paper Roll Making Project
- Cutting, Tailoring & Embroidery
- Beautician
- Soft Toys Making
- Candle Making Project
- Socks Knitting Project
- Tomato Ketchup Making Project
- Fly Ash Bricks Making Project
- Ginger/Garlic Paste Making Project
- Mustard Oil Expeller & Packing Project
- Spice Grinding & Packing Project
- Steel Cutlery Making Project
- Ice Cream Cone Making Project

The students of 3rd semester B.Tech(I.T.) participated in this industrial visit. The purpose of this visit was to acquaint students about "entrepreneurship development". Officials and Technical Experts at the Training Center addressed the students, and briefed about the initiatives taken up by NSIC for targeting unemployment issue.



Mr. Bhaskar Kapoor, Assistant Professor and Dr. Neha Agrawal, Assistant Professor were the main coordinators of industrial visit. The trip was indeed very informative and enlightening for the students.

The students of B.TECH (IT) 3rd Semester are indeed grateful to Prof. (Dr.) M L Goyal, Director and management for facilitating this technical trip to National Small Industries Corporation Limited, Okhla Industrial Estate, New Delhi.



WORKSHOP ON “ANDROID”

Department of Computer Science and Engineering organized One day workshop on “ANDRIOD” in association with Coding Blocks on 25th January 2018 in Mini Auditorium for 4th Semester CSE students. Total 71 students of the CSE Department attended the workshop. The session started with a welcome speech by Prof. Neelam Sharma, Director (MAIT) followed by motivational speech of Dr. Namita Gupta, Head of the Department, CSE. The session was delivered by Mr. Arnav Gupta (Coding Blocks - Founder member). Mr Arnav is an Android OpenSource developer and a GSoCer/ GSoC mentor.



FDP ON “BIG DATA ANALYTICS AND MACHINE LEARNING”



Five-Days Faculty Development Programme on “Big Data Analytics and Machine Learning” was organized by CSE and IT Department from 10th to 14th July 2017 for the faculties of CSE and IT Department. Around 50 faculties of both the Department attended the FDP. The main speakers were Dr. Parag Singla, IIT Delhi; Dr. Vikram Goyal, IIIT Delhi; Mr. Shivam Sharma, Software Developer; Dr. Prashant Singh Rana, Thapar University, Patiala.

गणतंत्र दिवस समारोह

गणतंत्र दिवस के अवसर पर राष्ट्रीय ध्वज फहराने के साथ महाराजा अग्रसेन इंस्टीट्यूट परिसर राष्ट्रगान ‘जन गण मन’ और ‘वंदे मातरम्’ की स्वर लहरियों से गुँज उठा। चेहरे और हाथों पर तिरंगे के टैटू बनवा कर छात्रों ने राष्ट्र के प्रति अपना प्रेम और समर्पण प्रदर्शित किया।

ध्वजारोहण के बाद अपने संबोधन में संस्थान के संस्थापक अध्यक्ष डॉ. नंद किशोर गर्ग ने युवा छात्रों को नये भारत की नयी इबारत लिखने का आह्वान किया। संस्थान के श्री प्रेम सागर गोयल ने कहा कि हमारे देश के युवक हमारी आशा के केंद्र हैं। इस गणतंत्र दिवस समारोह का मुख्य आकर्षण था संगीत की सुप्रसिद्ध संस्था ‘सुर आराधना’ द्वारा प्रस्तुत देश भक्ति गीतों की संगीतमय शृंखला। हर्ष जोशी द्वारा गाये गीत ‘जहाँ डाल-डाल पर सोने की चिड़िया’ पर सभागार झूम उठा। गीतों के साथ कवियों अभिनेष और अजय मिश्रा ने अपनी ओजस्वी वाणी से दर्शकों को उत्साह से भर दिया। सभागार में उपस्थित गणमान्य अतिथियों सर्वश्री मोहन गर्ग, जगदीश मित्तल, टी.आर. गर्ग, सतीश गुप्ता, अशोक गुप्ता ने सभी को गणतंत्र दिवस की शुभकामनाएं दीं। सुर आराधना के अध्यक्ष श्री आर. एस. शर्मा ने फूलों और तिरंगे पटके से अतिथियों का स्वागत किया। संस्थान महानिदेशक डॉ. एम. एल. गोयल और निदेशक डॉ. एम. के. भट्ट ने अतिथियों का आभार व्यक्त किया।



ALUMNI MEET MAIT SMRITI 2018

The Alumni meet, MAIT SMRITI, was held on 27th January, 2018 at Maharaja Agrasen Institute of Technology. MAIT (MBA and B. Tech) alumni had shown keen interest in visiting their alma mater. More than 450 alumni had registered online, 245 alumni attended the meet on 27th Jan, 2018. A short programme was organised in the main auditorium in the campus.

The programme started with lighting of lamp with spiritual chanting of Saraswati vandana. The welcome address was given by **Prof. (Dr.) Neelam Sharma (Director, MAIT)**. She thanked all who were involved in conducting the Alumni meet, specially **Dr. Nand Kishore Garg ji** and **Shri Mohan Garg ji** being the main pillars of the grand show along with faculty members and student volunteers. **Prof. (Dr.) M.L. Goyal (Director General)** addressed the gathering and wished good luck to the alumni for future and asked them to visit the institute time and again and assist their juniors in various activities. **Shri Subodh Jindal (Ex -**

Chairman, Alumni Association, IIT, Delhi) was the Key note speaker for the day. He shared his thoughts and wisdom with the audience. The alumni and faculty were also addressed by our **Founder Chairman and Chief Advisor (Dr.) Shri Nand Kishore Garg ji**. He motivated the alumni to come forward and support the institute. Our Vice-Chairman **Shri Jagdish Mittal ji** also graced the occasion. The students of B. Tech and MBA were involved in presenting different cultural programmes like Kathak dance, Oddisi dance and musical medley etc. After the programme all were invited for the delicious lunch and for the photo session with the alumni. The alumni were also given a souvenir as a memoir. It really was a memorable event with a pledge that our alumni would be contributing to the institute in some or the other way.

The title sponsor for the event was **Jayanti Jaljeera** with co-sponsors: Career Launcher, Jamboree, Smaash, The Souled Store, An Idiot Bootlegger and DU Times.



The following faculty members were coordinators for the event from their respective departments and they will also look after all activities related to Alumni Cell henceforth:

Dr. Anju Bharti (MBA), Ms. Divya Goyal (ECE), Ms. Nidhi Sengar (IT), Ms. Supriya Sharma (EEE), Mr. Sandeep Tayal (CSE), Mr. Amit Gautam (MAE) and Mr. Parveen Saini (Technical Support).

CAMPUS NEWS

महाराजा अग्रसेन इंस्टीट्यूट ऑफ टेक्नोलॉजी परिसर में आयोजित रक्तदान शिविर में 787 रक्त यूनिटों का एक नया रिकॉर्ड रक्तदान से बड़ा सेकुलर काम कोई हो नहीं सकता

-डॉ. नंद किशोर गर्ग (संस्थापक चेयरमैन महाराजा अग्रसेन टेक्निकल एजुकेशन सोसाइटी)

‘तुम मुझे खून दो मैं तुम्हें आजादी दूंगा’ का नारा देने वाले क्रान्तिकारी नेताजी सुभाष चन्द्र बोस की जयंती पर महाराजा अग्रसेन इंस्टीट्यूट ऑफ टेक्नोलॉजी परिसर में रक्तदान शिविर का आयोजन किया गया। बड़ी संख्या में रक्तदान करने वाले छात्रों का उत्साह मेले जैसा माहौल पैदा कर रहा था, ऐसा मेला जिसमें लोग खरीदने नहीं बल्कि देने के लिए आये।



नेता जी दूसरों के लिए जिए, हमें उनके जीवन से त्याग सीखना चाहिए। अनजान लोगों के लिए रक्त दान करना भी एक प्रकार का बलिदान ही नहीं, बल्कि सबसे बड़ी सेवा है। इससे ज्यादा सेवा और सेकुलर काम कोई हो ही नहीं सकता। सोसायटी के अध्यक्ष श्री प्रेम सागर गोयल ने कहा कि देने का अपना सुख होता है

और रक्तदान तो आपको भीतर की खुशी देता है।

भारतीय सेना, रोटरी ब्लड बैंक राजधानी दिल्ली, रोटरी ब्लड बैंक फरीदाबाद और गुडगाँव द्वारा रक्तदान की पूरी व्यवस्था की गई।

इस अवसर पर रक्तदान करने वाले छात्रों का उत्साह बढ़ाते हुए महाराजा अग्रसेन टेक्निकल सोसाइटी के संस्थापक अध्यक्ष डॉ. नंद किशोर गर्ग ने विद्यार्थियों से नेताजी के जीवन और उनके आदर्शों से प्रेरणा लेने को कहा कि नेताजी सुभाष चन्द्र बोस भारतीय राष्ट्रीय संग्राम में सबसे अधिक प्रेरणा के स्रोत रहे हैं। यह वह व्यक्ति हैं जिन्होंने कहा था, ‘तुम मुझे खून दो मैं तुम्हें आजादी दूंगा।’ और इस नारे के तुरन्त बाद सभी जाति और धर्मों के लोग खून बहाने के लिए आ खड़े हो गए। इतना अधिक वह लोग अपने नेता से प्रेम रखते थे और उनके मन में नेताजी के लिए श्रद्धा थी।

इस शिविर का लक्ष्य 1000 यूनिट रक्त दान का था। सुबह से ही रक्त देने के लिए छात्रों की भारी भीड़ उमड़ी। जन-जन में रक्तदान को प्रेरित करने के लिए संस्थान द्वारा अब तक 5 बार रक्तदान करने वालों को 5000 रुपये और 10 से ज्यादा बार रक्तदान करने वालों को 11,000 रुपये प्रोत्साहन राशि के रूप में प्रदान किये जाएंगे।

इस अवसर पर छात्रों का उत्साह बढ़ाने के लिए राष्ट्रीय स्वयंसेवक संघ के पदाधिकारी श्री विजय जी, रोटरी क्लब के श्री रवि चौधरी भी मौजूद थे। इस अवसर पर सोसायटी के पदाधिकारियों में सर्वश्री जगदीश मित्तल, मोहन गर्ग, ओ.पी. गोयल भी उपस्थित थे। संस्थान के महानिदेशक प्रो. एम. एल. गोयल ने छात्रों की सराहना करते हुए अतिथियों का आभार व्यक्त किया। ○



महाराजा अग्रसेन इंस्टीट्यूट ऑफ टेक्नोलॉजी तथा मैनेजमेंट स्टडीज परिसर में सरस्वती पूजा के अवसर पर 22 जनवरी 2018 को हवन का आयोजन।

INDUSTRIAL & EDUCATIONAL VISIT BY IT DEPARTMENT

Industrial interface enables students to analyze and understand the ever changing dynamics of the industry. An industrial and educational visit for exposure of practical knowledge of B.Tech.(I.T.) 3rd semester students, suggested by Prof.(Dr.) M. L. Goyal, Director, MAIT, was organized by IT Department on 11th October 2017.



The purpose of this technical and industrial visit to DD Direct Plus Monitoring Station, Doordarshan Kendra Todapur Delhi, was to make the students aware of the functioning of TV transmission. 44 students of B.Tech.(I.T.) participated in this technical visit in two groups.



We are grateful to Er. Shailesh Kumar Kanauje, Deputy Director, DD Direct+ Monitoring Station, Doordarshan Kendra Todapur, Delhi, for explaining technical aspects during this enlightening tour of the monitoring station. They also explained working of Free-to-Air DTH "DD Direct Plus" service. Total-Free-to-air-channel-count is 210 and use

GSAT-15 at 93.5°E satellite for transmission.

VIDEO	154 channels
RADIO	52 channels
DATA	04 channels

This visit helped the students to understand the concepts



of Digital Compression (like Encoder, Multiplexer, Modulator, and IRDs etc), Digital transmission & monitoring, RF equipment (like, TWTA, HPA, Upconverter etc.), Optical transmitters & receivers, A/D converters, RS 232/RS422/RS485/RJ45, Associated software for logging, archiving, monitoring and controlling, Digital satellite broadcasting, Network Analyser and Spectrum Analyser, Directional coupler, Dummy load, RF remote control computer systems, different antenna systems etc.

Er. Vandana Choudhary and Er. Saurabh Gautam were the main coordinators of the visit on 11th October 2017. It is undoubtedly true that this trip was an enlightening experience for the students, which they will cherish in the years to come.



Students of B.Tech. (I.T.) 3rd semester are indeed grateful to Prof.(Dr.) M. L. Goyal, Director General and Management of MAIT for facilitating this technical trip to DD Direct Plus Monitoring Station, Doordarshan Kendra Todapur, Delhi. Finally the efforts of officials at DD Direct Plus Monitoring Station deserve more than appreciation for their support and services.

ONE WEEK WORKSHOP ON THE POSITIVE OUTLOOK AND COMMUNICATION SKILLS



A one-week workshop was conducted at the Department of Applied Sciences, MAIT from 24th Dec 2017 to 29th Dec 2017. Around 50 students (20 were from other colleges) of First and Second year, B.Tech took part in the workshop. International Society for Krishna Consciousness organized many lectures on human values, positive attitude and role of spiritual thoughts in the well-being of society as a whole. The Speakers were Sh. Amogh Leela alumnus of IIM-Ahmedabad and Vice President ISKCON, Dwarka; Sh. Goloka Gaur Dass, President ISKCON, Rohini, and Sh. Sarvadrik Dass (North Carolina, USA).

Sh. Rasaal Dass, Director, ISKCON Youth Forum, Dr. Parul Sharma, Namrata Sharma, Asst. Professors, Dept. of Humanities and Dr. Monika Agarwal, Asst. Professor, Dept. of Applied Physics were the facilitators. Dr. Parul

Sharma and Namrata Sharma took the different sessions on phonetics, communication skills, remedial grammar, interview skills and public oration. Mr Sunil Kumar, Yogacharya, gave them sessions on sound physical health. Students were happy to receive sessions on sound physical health as well as sound mental health. Computer classes were also organized for the students. Dr. Monika Agarwal coordinated spiritual classes for the faculty. There were three fruitful lectures on mental peace and fight against depression. The lectures were full of motivation. Overall; it was an enlightening and interactive workshop for both the students and the faculty. The organizers are grateful to Dr. Nand Kishore Garg, Sh. Mohan Garg, Prof. M. L. Goyal, Dr. S. S. Deswal and Prof. Ram Kishore for the success of the workshop.

ब्रह्मानन्दं परमसुखदं केवलं ज्ञानमूर्तिं, द्वन्द्वातीतं गगनसदृशं तत्त्वमस्यादिलक्ष्यम्।
एकं नित्यं विमलमचलं सर्वधीसाक्षिभूतं, भावातीतं त्रिगुणरहितं सद्गुरुं तं नमामि॥

ACADEMIC INITIATIVES

● Maims Journal of Management

It is a matter of great honour for us that 'MAIMS Journal of Management' has been put on its list of recommended Journals by GGSIP University. It is a biannual publication of the Maharaja Agrasen Institute of Management Studies and has completed seven years of its publication. The Journal is an initiative of MAIMS to provide an integrated view of management thinking, empirical research studies and management practice in the Indian and global context and aims at bringing together academicians and practicing managers. Book reviews and case studies, which provide a new window to upcoming ideas in the world of management. The various issues of the Journal have been well accepted by academia and the corporate. Various renowned academicians and eminent persons from corporate sector have contributed research papers and articles in this Journal.

Research Initiatives

- To improve the quality of research endeavors, Research

Methodology sessions are being conducted on regular basis at the institute.

- All the classes are with white boards, for effective teaching.
- In its effort to be technology driven, MAIMS has installed LCD projects in almost all the classes.
- To make students and faculty comfortable MAIMS has fully AC rooms.

ISO Certification: An important landmark in the progress of the Institution has been the award of ISO 9001:2000 Certification by KVALITET VERITAS QUALITY ASSURANCE. The Certification has been renewed for 2018-19.

MAIMS has applied for 2(f) in University Grant Commission (UGC). UGC provides financial assistance to eligible colleges which are included under Section 2(f) and declared fit to receive central assistance (UGC grant) under UGC Act, 1956 as per approved pattern of assistance under various schemes.



NATIONAL ECONOMIC SUMMIT 'A PRAGMATIC APPROACH TO INDIAN ECONOMIC THINKING'

A National Economic Summit was organized by Maharaja Agrasen Institute of Management Studies and Maharaja Agrasen University, Himachal Pradesh in collaboration with Kautilya International Foundation on 16th February, 2017. The theme of the summit was 'A Pragmatic Approach to Indian Economic Thinking'.

The speakers of the event were: Shri Govindarcharya, a renowned socialist, activist and thinker; Dr R.K.Pillai, Deputy Director, University of Mumbai; Sh. Deepak Karanjekar, Economist, Arthkranti Foundation; Prof B.B. Chakraborty, Ex Director, Indian Institute of Management, Ranchi; Dr P. Kanagasabapathi, a renowned author and social worker; and Mr Ajit Tiwari from Kautilya International Foundation. The event was also graced by Dr. Nand Kishore Garg, Founder and Advisor Maharaja Agrasen Technical Education Society; Sh Prem Sagar Goel, Chairman MATES; and Prof M. K. Bhat, Director, MAIMS. The inaugural address highlighted the need and importance of an economy which is focused upon the efficient utilization and equal distribution of the available resources. The summit highlighted that man, society and natural resources form the trinity of an economic system and one cannot be compromised at the cost of the other.



NETAJI SUBHASH CHANDER BOSE JAYANTI

MAIMS celebrated Netaji Subhash Chander Bose Jayanti on 23rd January, 2018 by organizing various competitive events in which students' participation took the competition to the next level. We had debate on the topic, 'Nation First'; poster making on the theme 'India 2030'; creative writing on 'I am the I in India' and film critic writing competition. The theme of all the events laid focus on fostering a spirit of patriotism among the students of MAIMS.



CAMPUS NEWS

BJMC GUEST LECTURES

Guest lecturers were regularly organized to appraise the BJMC students of the latest trends and opportunities in the field of journalism and mass communication. Sh. Prafulla Ketkar, editor of Organiser graced the students with his presence and provided an insight on the latest trends in media on 20th February 2017. In the light of crime reporting as one of the potential area for BJMC students to foray, MAIMS organized a guest lecture by a pioneer crime reporter, Mr. Neeraj Rajput, Senior Special Correspondent of ABP News, on 8th March, 2017. Ms Tejasvi Chandok Nayyar, TV anchor



March, 2017. In another session, Dr. O. P. Yadav, Senior Editor, DD News provided valuable lessons to students by sharing his rich experience with them. All the sessions were full of interaction,

enthusiasm and provided valuable lessons in practical aspects of reporting to students of journalism.



Faculty Development Program on Research Methodology using SPSS and AMOS

MAIMS organized a Faculty Development Program (FDP) on Research Methodology using SPSS and AMOS from 5th -10th June, 2017. The program covered basic and advanced concepts of commonly used research techniques and provided hands-on experience on IBM-SPSS.

The resource persons for the FDP were Dr Saurabh Agarwal, a consultant to IBM and UNESCO for Business Analytics and Dr Kriti Priya Gupta, Associate Professor with Symbiosis Centre for Management Studies, NOIDA. We were fortunate to have such resource persons who could relate the session with practical corporate situations.

The FDP received participants from all over the country. We had participants from Ahmedabad, Patiala, Chandigarh, and Agra. It was definitely an enriching and learning experience for all the participants.

& journalist also shared her valuable experiences on nuances of broadcasting media with the BJMC students on 22nd

MEDIA MEET 2017

An interactive Session with Mr. Manoj Raghuvanshi, a senior TV journalist, was organized by the Department of Journalism & Mass Communication on 18th September, 2017. Mr. Raghuvanshi shared his experiences on investigative journalism and his coverage on Kashmir.



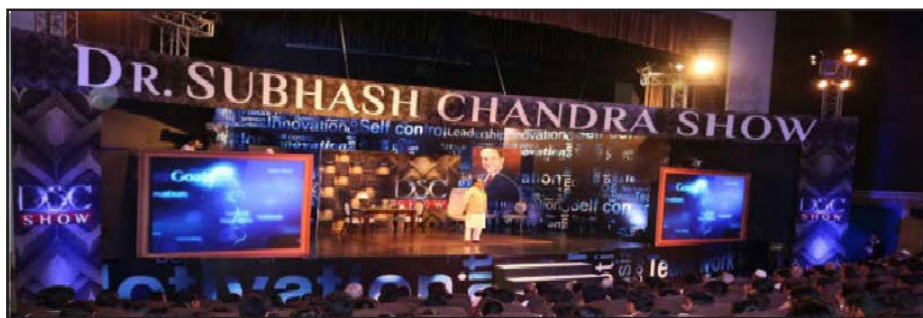
86TH BIRTHDAY CELEBRATION OF LATE APJ ABDUL KALAM AT MAIMS



MAIMS in association with APJ Abdul Kalam International Foundation organized a host of competitive activities in its campus on 4th October, 2017. The competition was held to celebrate 86th birthday of His Excellency, Bharat Ratan, Late Dr A.P.J. Abdul Kalam. The inaugural ceremony was graced by the presence of Mr Gulaam Khwaja Moinudeen, grandson of the elder brother of Late Dr. APJ Abdul Kalam; Ms Geetika and Mr Abhimanyu from NGO named, Reward.

The competition received an overwhelming response from the students and faculty members. Nearly 50 students participated in Debate competition, Poster designing competition and Article Writing Competition. All the winners were given certificates by Mr Satish Gupta, our esteemed trustee and Prof M.K.Bhat. The APJ Abdul Kalam International Foundation also felicitated winners of various events on 14th October, 2017 with certificates and medals at Dilli Haat.

DR. SUBHASH CHANDRA SHOW



Students and faculty of MAIMS interacted with Dr. Subhash Chandra on 8th April, 2017 in his popular show on Zee TV. The event was graced by the auspicious presence of Dr. Nand Kishore Garg, Chancellor and Founder Chairman of Maharaja Agrasen Technical Education Society, Shri Prem Sagar Goel, Chairman, MATES, Sh. Mohan Garg and other trustees.

FRESHERS' WELCOME



Continuing with the proud tradition, MAIMS organized fresher's welcome for the batch of 2017 on 1st September 2017. The dress code for the Fresher's day was 'Ethnic'. The celebration started with prayer song and the lightening of lamp followed by the welcome address by Prof M.K Bhat, Director, MAIMS. The event was graced by the presence of Sh. Prem Sagar Goyal, Chairmen, MATES and Sh. Jagdish Mittal, Vice-Chairmen, MATES. The second year students synergized their efforts to put up a plethora of scintillating performances in the form of traditional, fusion, and western dances, exhilarating singing performances and splendid decoration, thus making

fresher's soulful with joy. There were hit dance numbers and various games which entertained all. Fresher's day also saw enthusiastic participation from the First Year students of BBA, B.COM, BALLB, BJMC, BA Eco(H) who competed with full zeal and great enthusiasm to be crowned as Mr. and Ms. Fresher '17.

TEACHER'S DAY CELEBRATIONS

MAIMS celebrated teacher's day on 9th September, 2017 with much motivation and positivity. The function was sanctified by the presence of honourable chief guests Prof. Subhrato Mukherjee, Professor D.U and Vineet Kumar Lohia, Lohia Group, Dr. Nand Kishore Garg, Advisor & Founder Chairman, MATES, Sh. Prem Sagar Goel, Chairman MATES, and Prof M.K Bhat, Director MAIMS. Appreciation certificates were given to teachers for their various achievements.

The program ended with the motivational speech of Sh. Prem Sagar Goel, Chairman and Dr.Nand Kishore Garg, Founder chairman & Advisor, MATES.



Maharaja Agrasen Institute Of Technology

Forbes 30 under 30



Chakr Innovation has created the first system to capture harmful emissions from diesel generators. The innovative technology captures particulates and converts pollution into useful products like inks and paints.

<https://www.forbes.com/30-under-30/2018/socialentrepreneurs>



Heartily Congratulations

to

Mr. Arpit Dhupar

[Alumni, B.Tech (MAE), 2010-14]

Cofounder, Chakr Innovation

For getting place in

Forbes 30 under 30, 2018

Social Entrepreneurs

CAMPUS NEWS

MAHARAJA AGRASEN JAYANTI 2017



Maharaja Agrasen Jayanti was celebrated on 21st September, that is, the first Navratra in Maharaja Agrasen campus. The function began with lightening of lamp by Dr. Nand Kishore Garg, Founder Chairman MATES, and Sh. Prem Sagar Goyal, Chairman MATES along with other dignitaries and trustees. A documentary film 'Yug Purush: Maharaja Agrasen' on the life and teachings of Maharaja Agrasen was showcased.



Dr Garg in his address said that the contribution of Maharaja Agrasen in the Building of society and nation was enormous and unparalleled. A splendid cultural performance was presented by the students.

JOY OF GIVING WEEK

Daan Utsav, formerly known as The Joy of Giving Week, a "festival of philanthropy" was organized at MAIMS from 9th October to 12th October, 2017. In these 4 days of giving students were encouraged to do random acts of kindness to people they don't know for every day of the week. Daan Utsav aims to take the focus away from self on to others. Each day was dedicated to a different cause. Students donated money, food items, clothes, shoes, toys, stationary and bags on different days.

The money collected was used to celebrate Diwali with Old Age Home, Kanjhavla, Braille Bhavan, Rohini and Aapna Ghar. The clothes, food items and toys were given to residents of leprosy colony at Mangol Puri. This noble endeavour would not have been possible without the able stewardship of our Founder Chairman, Dr N.K.Garg and Chairman, Shri Prem Sagar Goyal.



BLOOD DONATION CAMP



MAIMS organized its 11th blood donation camps in association with Engineers' Club and Bharat Vikas Parishad on 11th October, 2017. Many students and faculty voluntarily came up to donate the blood, taking the total count to 350 units. All day went with zeal and enthusiasm of Faculty In-charges, Student Volunteers and Donors with unselfish smile for the noble cause. With this endeavour, MAIMS accomplished the event successfully with an overwhelming response from MAIMS students and faculty members.

PLACEMENT CELL

The placement cell plays a key role in developing and grooming students in MAIMS. Last year the cell was able to give 196 offers to our undergraduate students in the companies of repute. The major recruiters were Amazon, IBM, Genpact, Club Mahindra, Naukri.com, Ernst and Young, Urban Clap, RBS, Concentrix to name a few. This year we have already given 164 offers to our students. The process is going to continue till the end of our academic session and we are sure that we will be able to provide much more opportunities to our students.

We also give priority to soft skills sessions on career mapping, work readiness, business etiquettes, personal effectiveness, and leadership and. These sessions are conducted primarily to impart practical training to the students. Various technical training programs were also organized on contemporary aspects such as financial planning, stock mind bidding and business research. These sessions were not only informative for the students but even prepare them well to face the selection process in companies. Such skill based approach is being used increasingly amongst students to encourage sound decision making and business acumen to make them employable by the corporate.

ARTISCO

Journalism and Mass Communications Department organized a design exhibition, Artisco which showcased the importance of design in life. Famous Art Director, Shri Arvind Kumar graced the occasion and shared his insights on the nuances of art direction. Prof. M. K. Bhat emphasised that design holds a special significance in the journalism and mass communication field.



CHHAYANKAN



In the continuation of our efforts to attain professional excellence in the domain of journalism, an inter college competition- Chhayankan 2017 was organised by the Department of Journalism on 4th November. The initiative was taken by the students of photography club-WAC (What a Click). The event got wide publicity through the sponsors ET and Vir Arjun. Over 300 participants took part in competition with entries from more than 45 colleges of Delhi - NCR. The programme concluded with prize distribution.

SWAMI VIVEKANANDA JAYANTI 2018

MAIMS organized Yuva Diwas on the auspicious occasion of 155th Birth Anniversary of Swami Vivekananda on 12th January, 2018. The occasion was graced by Guest of Honour- Ms. Shikha Rai, Leader of House, South Delhi, Municipal Corporation, Delhi and Mr. Narender.S.P. Tripathi, SDM- Rohini along with the doyens of education Shri Prem Sagar Goel, Chairman, MATES; Dr. Nand Kishore Garg, Chancellor, Maharaja Agrasen University, Baddi, Advisor & Founder Chairman, MATES; Shri. Mohan Garg, Joint General Secretary, MATES; Shri. Gyanendra Srivastava, Chief Executive, MATES; Prof. M.L. Goyal, Director General, MAIT. Prof. M. K. Bhat, Director, MAIMS in his welcome address expressed his concerns about the youth losing their direction and identity.

Ms. Shikha Rai gave various anecdotes and quoted examples from other countries to show how collective pride and nationalism can shape the future of the economy and country. Mr. Narender. S. P. Tripathi, IAS, inspired the students to read biographies of the great soul, Swami Vivekananda to gather a holistic view for their life. Dr. Nand



Kishore Garg contextualized the time and age in which Swami Vivekananda came into the public life and put India on the world map. While, Shri Prem Sagar Goel, Chairman, MATES motivated students to imbibe the teachings of Swami Vivekananda in their lives. The highlight of the day was a performance from a student of BBA IInd year, Mr. Sahil, who recreated an aura of famous 1893 Chicago speech of Swami ji by reciting excerpts from it. Swaraag, the music society of MAIMS also presented a patriotic song. Both the cultural events reinforced the spirit of nationalism amongst students.

VISIT TO BLIND SCHOOL, APNA GHAR AND OLD AGE HOME

MAIMS socio-cultural club, Nav Chetna, visited Brail Bhavan, Rohini, Old Age Home, Kanjhawala and Apna Ghar, Bawana to celebrate Diwali with them. At least 70 students from all streams organized cultural activities for them which were appreciated by the blinds, elders and homeless people. Our students performed dance and sang songs with them.

The students got excited to see a smile on their faces. This small gesture of students gave them lot of happiness. Students burst crackers, distributed sweets and enjoyed with them.



DEPARTMENT OF ECE

SEMINAR ON RECENT ADVANCEMENTS IN ELECTRONIC MATERIALS AND DEVICES

A National Seminar on “**Recent Developments in Electronic Materials and Devices**” was held on **10th and 11th November 2017**. It was organized by the Department of Electronics and Communication, Maharaja Agrasen Institute of Technology and was sponsored by Society for Microelectronics and VLSI, IEEE-EDS Delhi Chapter and Defence Research and Development Organisation.

The Seminar commenced with the welcome address by the **Director and Head of Department, Electronics and Communication, Prof. Neelam Sharma**. She welcomed the Founder and Chief Advisor Dr. Nand Kishore Garg, Chairperson of Maharaja Agrasen Technical Education Society Sh. Prem Sagar Goyal, all the members of the management of Maharaja Agrasen Technical Education Society, Sponsors, Director General M.L. Goyal, Prof R.S. Gupta, faculty members and students. **Prof. R S Gupta, Convener** of the seminar addressed the audience on the occasion and briefed about the speakers and the sponsors of the event. **Chairman, MATES, Sh. Prem Sagar Goyal**, in his address inspired the students to benefit from the Seminar. **Founder and Chief Advisor, MATES, Dr. Nand Kishore Garg**, a guiding personality for all advised the students to learn from the eminent speakers for their future endeavors. **Director General MAIT, Dr. M.L. Goyal** in his address explained the importance of keeping abreast with the latest technologies and trends in electronics to be competitive. **Dr. Sunil Mathur** delivered the vote of thanks.

The two day schedule of the seminar was as follows:

Day 1 Session I:

Name of the Speaker: **Prof. Vijay Arora**

Topic: **Graphene Nanotechnology-Past, Present and Future**

Prof. Vijay Arora from Wilkes University, USA, explained the history and basics of Graphene technology in his talk. He spoke about the various properties and uses of the material. He also discussed about the possible applications of Graphene and updated the students with the ongoing research in this area.

Day 1 Session II:

Name of the Speaker: **Prof. S. S. Islam**

Topic: **Multi-sensory Microsystem for Early Detection of Chronic Obstructive Pulmonary Disease (COPD)**

Prof S.S. Islam, Director, Centre for Nanoscience and

Nanotechnology, of Jamia Milia Islamia University discussed in his talk about how electronics can help in targeted delivery of drugs and how electronics was helping in effective analysis of COPD.

Day 1 Session III:

Name of the Speaker: **Dr. Seema Vinayak**

Topic: **Overview of GaN Technology**

Dr. Seema Vinayak from SSPL, DRDO explained in her lecture the properties of Gallium Nitride (GaN) Technology and the ways it was useful in the defence sector. She explained about the potential uses of GaN in High power and High Frequency Applications.

Day 1 Session IV:

Name of the Speaker: **Dr. Ramachandran Raman**

Topic: **The Role of Characterization to Semiconductor Material Research**

Dr. Ramachandran Raman from SSPL, DRDO explained in his talk the various techniques which were used to make as well as study the properties of semiconductors such as Raman spectroscopy, electron microscope and X-ray techniques. He also explained the various ways in which semiconductors can be made.

Day 2 Session I:

Name of the Speaker: **Prof. Mridula Gupta**

Topic: **Wireless and Mobile Communication 1G to 5G**

Prof Mridula Gupta in her lecture discussed the development of the various generations (1G to 5G) of mobile wireless technology along with their significance and advantages of one over the other.

Day 2 Session II:

Name of the Speaker: **Dr. Yogesh Pratap**

Topic: **Impact of Material Engineering in FET based Devices**

Dr. Yogesh Pratap is Assistant Professor of Department of Instrumentation at Shaheed Rajguru College of Applied Sciences for Women, University Of Delhi. Dr. Yogesh Pratap discussed in his presentation the Principles and Applications of Nanowire Field Effect Transistors with gate Material and Advance Channel engineering.

The seminar was informative and helped the students get up-to-date with the latest technologies and trends in the Industry. It inspired the students to work hard and pursue research as an option.

AWARDS DURING ANNUAL DAY-FEB 10, 2018

Ranking of MAIT Students in GGSIP University (2016-17)

GGSIU EXAM RESULT - B.TECH- 1ST + 2ND SEMESTER (BATCH: 2016)

Rank in GGSIPU	Rank in MAIT	Branch	Roll no./Name	CS	ΣCM	CGPA	CPI
1	1	CSE-I	36414802716 SHUBHI JAIN	54	520	9.63	4873
28	2	CSE-I	35114802716 AKANKSHA SOOD	54	500	9.26	4667
30	3	CSE-II	01596402716 HARSHIT SINGHAL	54	498	9.22	4623
4	1	IT-I	41114803116 NEHA VIJ	54	509	9.43	4711
14	2	IT-I	35914803116 PRERNA JAIN	54	498	9.22	4529
29	3	IT-I	06414803116 SANKET SINGH	54	492	9.11	4507
9	1	ECE-I	42114802816 AKSHIT KHANNA	54	504	9.33	4580
25	2	ECE-I	06714802816 VIRENDER SINGH	54	496	9.19	4550
36	3	ECE-I	02014802816 JATIN GERA	54	493	9.13	4546
13	1	EEE-II	02696404916 ROHAN KUMAR	54	489	9.06	4508
18	2	EEE-II	02896404916 SAKSHI AGGARWAL	54	485	8.98	4398
19	3	EEE-I	05214804916 REEVA DHARIWAL	54	485	8.98	4303
9	1	MAE-I	06214803616 SAURABH DHYANI	54	482	8.93	4434
12	2	MAE-I	04414803616 NIPUN JAIN	54	482	8.93	4346
19	3	MAE-I	40414803616 MUHAMMAD KHIZAR HYATT KHAN	54	473	8.76	4152

GGSIU EXAM RESULT - B.TECH- 3RD + 4TH SEMESTER (BATCH: 2015)

Rank in GGSIPU	Rank in MAIT	Branch	Roll no./Name	CS	ΣCM	CGPA	CPI
2	1	CSE-II	00496402715 ABHISHEK MITTAL	57	555	9.74	5231
11	2	CSE-II	02696402715 NIKITA GUPTA	57	547	9.6	5147
15	3	CSE-I	20114802715 UTKARSH VERMA	57	546	9.58	5076
7	1	IT-I	09014803115 YASH MITTRA	57	515	9.04	5039
9	2	IT-I	04614803115 NAMAN JAIN	57	514	9.02	5011
10	3	IT-I	41814803115 KIRAN TOMAR	57	513	9	5113
14	1	ECE-I	00314807316 KARTIK KUMAR	57	541	9.49	5168
15	2	ECE-I	61714802815 SWARNIM SHARMA	57	539	9.46	5004
28	3	ECE-I	08214802815 VIBHANSHU SHARMA	57	534	9.37	5004
1	1	EEE-I	06014804915 SAHIL CHOPRA	57	493	8.65	4986
12	2	EEE-I	06714804915 SHIVAM GUPTA	57	477	8.37	4843
17	3	EEE-I	00614807816 PRASHANT VERMA	57	474	8.32	4780
1	1	MAE-II	04196403615 TAJINDER SINGH	55	523	9.51	4879
7	2	MAE-I	60614803615 SHUBHAM BANSAL	55	504	9.16	4604
20	3	MAE-I	41414803615 SIDHARTH BENIWAL	55	494	8.98	4504

GGSIU EXAM RESULT - B.TECH- 5TH + 6TH SEMESTER (BATCH: 2014)

Rank in GGSIPU	Rank in MAIT	Branch	Roll no./Name	CS	ΣCM	CPI
12	1	CSE-I	11914802714 AISHWARYA DHEMBLA	53	4714	88.94339623
29	2	CSE-I	60014802714 KRITI JAIN	53	4641	87.56603774



MAIT

योग: कर्मसु कौशलम्

CAMPUS NEWS

35	3	CSE-I	12214802714 SHADUAL SINHA	53	4628	87.32075472
3	1	IT-II	00896403114 ANSHUL GARG	53	4771	90.01886792
7	2	IT-II	02096403114 SAURABH BHALLA	53	4689	88.47169811
9	3	IT-I	06814803114 SIMMI SALUJA	53	4673	88.16981132
1	1	ECE-II	01096402814 SHUBHAM GARG	55	5223	94.96363636
2	2	ECE-I	60014802814 APURVA GUPTA	55	5133	93.32727273
5	3	ECE-II	01496402814 ANAMIKA ROHATGI	55	5092	92.58181818
6	1	EEE-II	02696404914 ASHISH KUMAR DIXIT	54	4779	88.5
11	2	EEE-I	00214804914 SATVIK GAUR	54	4608	85.33333333
13	3	EEE-II	01896404914 UDIT BIBHUTI	54	4578	84.77777778
10	1	MAE-II	02996403614 ADITYA ROY	54	4589	84.98148148
11	2	MAE-II	02496403614 SARTHAK JAIN	54	4538	84.03703704
21	3	MAE-I	01514803614 RAUNAK SINGH OBERAI	54	4380	81.11111111

GGSIPU EXAM RESULT - B.TECH- 7TH + 8TH SEMESTER (BATCH: 2013)

Rank in GGSIPU	Rank in MAIT	Branch	Roll no./Name	CS	ΣCM	CPI
63	1	CSE-II	07196402713 RAKESH VASHIST	50	4438	88.76
95	2	CSE-II	03096402713 DEEPAK GARG	50	4386	87.72
98	3	CSE-I	00914802713 AARZOO GUPTA	50	4380	87.6
2	1	IT-I	00214803113 NAVNI BHATIA	48	4456	92.83333333
5	2	IT-I	08914803113 TUSHAR DATT UPADHYAY	48	4401	91.6875
10	3	IT-I	05614803113 AKSHITA	48	4386	91.375
18	1	ECE-I	03414802813 SHUBHAM BHATNAGAR	50	4549	90.98
22	2	ECE-I	14314802813 PRANSHU JOSHI	50	4538	90.76
44	3	ECE-I	14114802813 DAVINDER MIGLANI	50	4463	89.26
2	1	EEE-I	09114804913 AAKRITI GUPTA	49	4640	94.69387755
3	2	EEE-I	04814804913 VASUDHA PAREEK	49	4583	93.53061224
5	3	EEE-I	01414804913 AMRISH KUMAR	49	4502	91.87755102
10	1	MAE-II	00496403613 MANIK SINGLA	51	4329	84.88235294
19	2	MAE-II	04396403613 SANCHIT NEGI	51	4273	83.78431373
22	3	MAE-II	03296403613 NITESH GUPTA	51	4268	83.68627451

GGSIPU EXAM RESULT - MBA-1st + 2nd SEMESTER (BATCH: 2014)

Rank in GGSIPU	Rank in MAIT	Branch	Roll no./Name	CS 46	ΣCM	CGPA	CPI
3	1	MBA-I	04814803916 MEHAK JAIN	58	529	9.12	4834
15	2	MBA-II	03796403916 SHRUTI GOEL	58	517	8.91	4739
17	3	MBA-I	09114803916 VAISHALI GUPTA	58	517	8.91	4716

GGSIPU EXAM RESULT -MBA-3RD +4TH SEMESTER (BATCH: 2015)

Rank GGSIPU	Rank in MAIT	Branch	Roll no./Name	CS 55	ΣCM	CPI
1	1	MBA-II	02196403915 KHUSHBOO GULATI	55	511	9.29 4209
4	2	MBA-I	09114803915 SHYAM LAL	55	508	9.24 4055
6	3	MBA-I	08114803915 RICHA BAWA	55	506	9.2 4005

AGRANI SAMKALP

अग्रणी संकल्प

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It is not our differences that divide us. It is our inability to recognize, accept, and celebrate those differences.

- Audre Lorde

OUR ACHIEVEMENT

ACCREDITATION STATUS AWARDED BY NBA

Maharaja Agrasen Institute of Technology is preparing to proceed for Accreditation by NBA to promote international quality standard for technical education in the institute.

It gives us immense pleasure to announce that the Pre-Qualifier application for accreditation in the format Tier II has been approved for the following three programs:

- B.Tech. (Electronics and Communication Engineering)
- B.Tech. (Computer Science Engineering)
- B.Tech. (Mechanical and Automation Engineering)

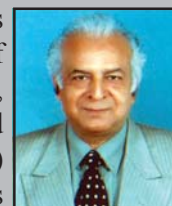
Dept. of ECE

1. Ms. Jaya Madan has submitted her Ph D thesis entitled “Analytical Modeling, Simulation and Characterization of Tunnel FET for Low Power Applications” under the supervision of Prof R S Gupta to Delhi Technical University (Registered with Dr. Rishu Chaujar) in December, 2017.
2. Prof. R.S. Gupta has delivered a special lecture on Evolution of Electronics on 26th October, 2017 at Shaheed Rajguru College of Applied Sciences for Women, University of Delhi.
3. Prof. R S Gupta has been elected as chairman of IEEE EDS Delhi Chapter in its general body meeting held on Jan 06, 2018.
4. Ms. Anubha Goyal has registered her Ph.D under the supervision of Prof. R.S. Gupta at Banasthali Vidyapeeth (Registered with Prof. Seema Verma).
5. Mr. Priyank Saxena has registered his Ph.D under the supervision of Prof. R.S. Gupta at G.G.S.I.P.U (Registered with Dr Vandana Nath).
6. Prof. R S Gupta has organized a Mini-Colloquia on Insights of Emerging Nanoscale Research Devices supported by IEEE-EDS Delhi Chapter on December 11, 2017.
7. Prof. R.S.Gupta has published 7 research papers in reviewed journals, and 5 research papers in international conferences.



**Prof. R S
Gupta**

Department, has been able to continue his research work, and published a number of Research Papers in the various fields like, Plasma Diagnostics, Dusty plasmas based on Dynamically Shielded Dust (DSD) Code, Ultrafast Mid-IR Lasers Femtosecond Fiber Lasers, White Lasers, Spin Lasers, Mathematical Modeling for Resources Management, Uncertainties in Business or the Optimum Performance of a Firm, and Documentation of Business Plan by Optimization of the Administration's Function, Process and Behaviour in the International journals of CANADA, ITALY, and SINGAPORE (Nine in the year 2017), all as a single author working in Maharaja Agrasen Institute of Technology; and hence has increased substantially the Research Activity of the Institute, and thereby has contributed in enhancing its prestige at the International Level. Besides, he has been appointed as EDITORIAL BOARD MEMBER, by the Reputed Journal - Singaporean Journal of BuSineSS economicS and management StudieS, in recognition to his recent publications in the international journals.



**Prof. Dr.
Kamal Nain
Chopra**

Dept. of CSE Ph.D. Awarded



**Deepak
Gupta**

PhD Title: Software Usability Model for Software Development Using Soft Computing Approach

University: Dr APJ Abdul Kalam Technical University (Formerly Uttar Pradesh Technical University), Lucknow, UP, India

Degree Awarded: 12 Dec 2017.

Dept. of Applied Physics

Prof. Dr. Kamal Nain Chopra of Applied Physics

OUR ACHIEVERS

PhD Title: Local Mutual Exclusion and its Variants in Mobile Ad Hoc Networks

University: Department of Computer Engineering

National Institute of Technology Kurukshetra.

Degree Awarded: 4th March, 2017.



Dr Ashish Khanna
Assistant Professor

Dept. of Humanities

1. Namrata Sharma, Asst. Prof., Dept. of Humanities was conferred upon Dr. Rajendra Prasad Award-2017 by International Eminent Educationists Forum of India on 5th September 2017.



Namrata Sharma



Dr. Parul Sharma

2. Dr. Parul Sharma

and Namrata Sharma chaired a session 'Society and Endangerment' in National conference on the Approaches and Methodologies for the Study of Indegenous and Endangered Languages at National Law University, Delhi on 4th Feb. 2018. They also presented a research Paper titled 'The Sanskrit Language: The Greatest Treasure and Finest Heritage of India'.

Department of Journalism & Mass Communication

1. Dr. Umesh C. Pathak, Associate Professor, MAIMS presented a paper on "Radio In The Age Of Convergence and Social Media In India" in an international conference, ICMM 2017 jointly hosted by Burapha University International College (BUUIC), Thailand, Faculty of Mass Communication, Chiang Mai University Thailand & All Inndia Communication and Media Association (AICMA). He also chaired a session in the conference.



Dr. Umesh C. Pathak

सेवा का संकल्प

एक दिन एक महानुभाव सवेरे-सवेरे टहल कर अपनी कुटिया पर लौटे। उन्होंने कुटिया के बाहर एक दीन-हीन व्यक्ति को पड़ा पाया। उसके शरीर से मवाद बह रहा था। वह कुष्ठ रोग से पीड़ित था। उस व्यक्ति ने अपनी धीमी आवाज़ में महानुभाव को हाथ जोड़ते हुए कहा, 'मैं आपके दरवाजे पर शांतिपूर्वक मरने आया हूँ।' रोगी



की इस हालत से उन महानुभाव का हृदय द्रवित हो उठा, पर उसे वह आश्रय कैसे दें। वे अकेले तो थे नहीं, कुटिया में और भी बहुत से भाई-बहन रहते थे। क्षणभर मन में द्वंद्व रहा। अंत में वे कुटिया में चले गए। अंतर्द्वंद्व ने संघर्ष का रूप धारण कर लिया। अंतर से आवाज आई, 'तू अपने को सेवक कहता है। इंसानियत की सेवा का दावा करता है और दूसरी ओर उस दुखी, बेबस आदमी को ठुकराता है?' अंदर से ही दूसरी आवाज ने जवाब दिया, 'मेरे लिए तो कोई बात नहीं है, पर दूसरे लोग ऐसे रोगी को रखना पसंद नहीं करेंगे।' 'ठीक है, तब तू मानव-जाति की सेवा करने का दम भरना छोड़ दे।' इस बार आवाज में खीझ थी। संघर्ष और तीखा हुआ। अंत में उन्होंने निश्चय किया कि जो व्यक्ति सही मायने में अपने कर्तव्य का पालन करता है वह दूसरों की नाराजगी की परवाह क्यों करे? जो आशा लेकर आया है, जीवन के अंतिम क्षण में शांति पाना चाहता है उसे मायूस कैसे किया जा सकता है! इस निश्चय के बाद उन्होंने अपने बराबर की कोठरी खाली कराई और असाध्य रोगी को उसमें रखा। इतना ही नहीं मानवता के उस पुजारी ने अपने हाथ से रोगी के घाव धोए, मवाद साफ किया और दवा लगाई। रोगी बराबर वहाँ रहा और परमशांति के साथ उसकी जीवन-लीला समाप्त हुई। वह महानुभाव थे बापू, जिनके लिए मानव सर्वोपरी था और सेवा जिनके लिए जीवन का चरम लक्ष्य थी। रोगी थे संस्कृत के प्रकांड विद्वान परचुरे शास्त्री।

संकलन : डॉ. राजवीर मित्तल

HOD

Dept. of EEE

AGRANI SAMKALP

अग्रणी संकल्प

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STUDENTS OF I.T. SHINED AT SWITZERLAND, CANADA, GOOGLE ETC.

A presentation cum interaction program on Industrial Training cum Projection Competition for 2nd year and 3rd Year students was organized on 26th September 2017 at Department of Information Technology in Maharaja Agrasen Institute of Technology, Delhi. We are giving brief profile of IT final and pre-final year students who got opportunity to be part of good industrial training programmes and make us feel proud.

Sachin Aggarwal won i 51st Annual Convention of CSI, Coimbatore. He was selected for Microsoft Student Partner program.



Dhruv Kuchhal, a 2018 batch B.Tech. student, is currently working as a Part-Time Research Intern at PreCog Research Labs at Indraprastha Institute of Information Technology, Delhi (IIIT-D) with Prof. Ponnurangam Kumaraguru (PK) (PhD, Carnegie Mellon University, USA) in the area of Security and Privacy since January 2017. They have been working on a research project in collaboration with Prof. Mustaque Ahamad (Georgia Institute of Technology, USA), Dr. Payas Gupta (Pindrop Security Labs, USA) and Dr. Manish Gupta (Microsoft Research at IIIT-H, India), along with PK and Srishti Gupta (PhD Scholar at IIIT-D). In April 2017, Ministry of Human Resource Development (MHRD), Government of India organized Smart India Hackathon (SIH), which is the world's biggest hackathon till date.



UddishVerma has been fortunate enough to have ample opportunities and motivation



to participate on both national and international platforms. He was recently invited to participate in North Continent's biggest hackathon "Hack The North" at the University of Waterloo in Toronto, Canada.

Gyan Lakhwani is an IT Department student with a passion for design and technology. Designing human-computer interactions is the intersection of both his passions. In 2015, he took part in the PMO app development contest organised by Google and MyGov, the Indian government's citizen partnership platform. He worked with a team of 6 students on designing and developing an app for the Indian Prime Minister's Office. His team was eventually selected out of 300+ participating teams to build the official PMO India with help from mentors from Google and the PMO.

To continue his work of designing for digital products, he interned at Zomato in winter 2016, where he worked with the Product Design team on redesigning Zomato Collect, an app used internally to collect data from restaurants, working with a world class design team on a product used by millions of people. You can read more about Gyan and get in touch at his website www.gyanl.com



Anirudh Goel has been working in the field of Web Development for the past 3 years. His perseverance resulted in him being selected for the Summer Student Programme at CERN (European Organisation for Nuclear Research), in Geneva, Switzerland.

He became a Firefox Student Ambassador at Mozilla.

3 A.M. AND THE FIREWORKS IN MY MIND

-Ashish Sharma, BJMC, 2nd year

When the day extends to 3 a.m.
Fireworks start to show up,
In the hollowness of the mind,
With plastic dreams of orange and
yellow lights,
With irresistible make up of the cosmic
harmonize,
That's some poetic underlines,
Also known as the creative imagination,
All pressured up, messed up like,
the unfolded shirts in my wardrobe.
Sounds like the static of the television.
hushful but loudly asks,
'Isn't it too late?'



Because mornings are inevitable,
and I cannot scream louder than alarms.
They come from the sides of reality,
5 a.m. no asking or feel to knock,
Just stand and stare at the threshold of my dreams,
Like an angry old man in the metro craving for your seat.
Times I don't wanna walk barefoot,
Under the roof of my cold water flat,
still half in sleep, jaded eyes and smelly mouth,
and the socks have holes of the ironic humor,
of using them to slide on the cleaned floor.
But the mornings are inevitable,
And so are 3 a.m. and the fireworks in my mind.

RECENT VISIT TO UNIVERSITY OF ARKANSAS, USA

Dr. Ram Kishore

Prof. & Head, Appl. Sc. Dept.

During my visit to United State I had a chance to meet my old colleagues and friends at University of Arkansas, Fayetteville, USA in June 2017. Prof. Hameed Naseem with whom I worked at UARK in a NASA project in 1999-2000



Prof. Ram Kishore with Prof. Juan Balda (L) and Prof. H. Naseem (R)



Prof. Ram Kishore with Dr. Craig J. Olejniczak

Power Electronics, Electric Power Distribution and Electrical Machinery. He was very positive in having association with MAIT here. In fact during my one year stay in UARK and subsequent visits we had a good time, his room was just opposite to my room and we used to take a hot cup of coffee

and subsequently in a three year DST India and NSF, USA project during 2006-2008, arranged my meeting with Prof. Juan Balda, currently University Professor holding Twenty - First Century Leadership Chair in Engineering and Head, Electrical Engineering Department. He is expert in

together and discuss our scientific activities. Another person I visited was Dr. Mourad Benamara Faculty Director at Nanoscale Material and Engineering Faculty. He is expert in Transmission Electron Microscopy and the centre is equipped with FEI Titan 80-300 Scanning/Transmission



Prof. Ram Kishore with Dr. Mourad Benamara

Electron Microscope and Techni F-20 Cryo TEM. I discussed with him about the Graphene characterization using advance TEM facilities. In fact I already had done TEM characterization work with him during 2008 while working on my DST-NSF project. He was very happy to meet me and explain his latest work. I also had a chance to meet

Dr. Craig J. Olejniczak, Member of the board of Directors of Wofspeed a CREE company. The company is working in the area of SiC MOSFET, SiC Schottkey Diodes, Sic Power Modules and various RF products for general purpose use and also for use in satellite communication.



Old New Campus, University of Arkansas, Fayetteville, USA

ROLE OF PHYSICS IN ENGINEERING EDUCATION

-Dr. Ram Kishore

Prof. & Head, Appl. Sc. Deptt.

The role of Physics in engineering education is a dynamic one. There are momentous changes occurring in physics as well as engineering continuously. Modern Technology is predominantly based on physical sciences. There has been enormous increase in subject matter of modern physics but the whole subject matter can not be directly put into the

education of engineers right away. The main emphasis of physics teaching in the engineering education should be to train the students such that their attitudes and capacity to deal with engineering problems is enhanced and they are able to handle the emerging problems of science and technology. With the pace of innovation and technological



Dr. Vikram Ambalal Sarabhai
(12 Aug 1919 - 30 Dec 1971)
Father of Indian Space Program

advancement accelerating very fast, engineers hold the keys to the next generation's technical wonders. A transformative experience in the class room and laboratory will have a great impact on engineering students. A hand on experience in conducting research and developing new products with the help of experienced faculty can give stimulus to the students. Each student should have a faculty advisor who can guide him at the crucial stage of developing things. The students

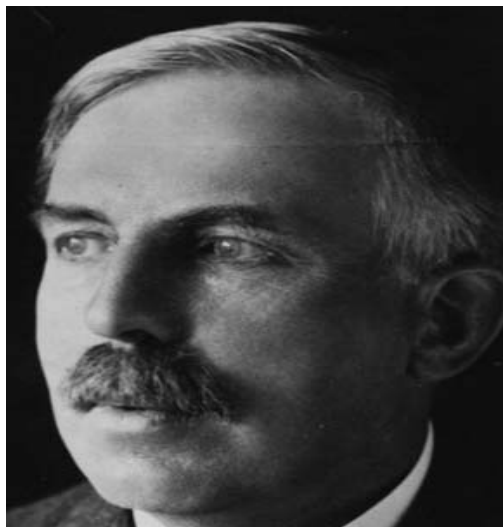
with strong physics base and armed with technical knowledge, imagination, communication skills and understanding of the social and human context of their work will make their future very bright.

The role of physics again depends on the clear objectives to be achieved by the engineers in future. There is difference between engineers being qualified for routine design, engineering sales, other applied specialties and getting strong technical qualifications.

The basics of physics which a student acquires and really understands has a direct bearing on his analytical ability in the modern times. Applied physics builds knowledge, seeking to learn, understand and model the product. Engineers turn knowledge into technology.

Let us take an example to build a simple diode. An applied physics teacher will tell the students the physics of doping and give formulae for current across a junction, capacitance, power dissipation, ideality factor etc. He can demonstrate to make a first prototype and test the theories and pass on the knowledge to engineers. Engineers on the other hand will take these for granted and use it to make the production of the device many times better.

There is tremendous scope for engineers with strong physics background in our country specially in space, defence, device manufacturing, automobiles etc. Running metro without driver in India is not a dream but reality now. This requires knowledge of all the streams of engineering and basic physics of sensors and actuators. Our country is emerging very strong in its technological base and we have to shape our engineers through constant learning, providing latest inputs to them to cope up with rest of the world in all engineering streams.



The more physics you have the less
engineering you need.

— Ernest Rutherford —

AZ QUOTES

START UPS: INSIGHTS AND ACTION PLANS



Prof. Neelam Sharma
Director/HoD, Dept. of ECE



Abhilasha Gokhale
Asst. Prof., Dept. of ECE

“Think big, think fast, think ahead. Ideas are no one's monopoly” - Dhirubhai Ambani

1. Introduction

India is a country of many great legends that were famous all over the world because of their work, sharp mind and high skill. **Startup India is a scheme that was launched by Prime Minister Narendra Modi on 16th of January, 2016.** This campaign is based on an action plan aimed at promoting bank financing for start-up ventures to boost entrepreneurship and encourage start ups with jobs creation. **According to the programme, around 1.25 lakh bank branches will encourage youth (at least one Dalit or Adivasi and one woman entrepreneur) by giving them loan.**

Entrepreneurs are risk- taking individuals who take action to pursue opportunities and situations others may fail to recognize or may view as problem or threats. An entrepreneur is an individual who starts and runs a business with limited resources and planning, and is responsible for all the risks and rewards of his/ her business venture. **Entrepreneurship requires strategic thinking and risk-taking behavior that results in the creation of new opportunities** for individuals and/or organization.

Start ups and Entrepreneurial ventures target high returns with an equally high level of uncertainty. The entrepreneur is willing to risk his or her financial security and time, arranging for the necessary capital, raw materials, manufacturing locations and skilled employees.

2. Characteristics & Issues involved in becoming a good Entrepreneur

- **Focused approach**
- **High energy level**
- **High need for achievement**
- **Tolerance for ambiguity**

- **Self - confidence**
- **Flexibility**
- **Passion and action - orientation**
- **Self - reliance** and desire for independence
- **Innovative ideas** and the **courage** to give new ventures a chance
- **Courage** to meet and master the **test of strategy** and **competitive advantage**
- **Identifying a market niche** that is being missed by other established firms
- **Generating a first - mover advantage** by entering a Market before competition
- **Customer oriented approach** - cost effectiveness, ease of availability
- **Analyzing reasons for small business failures:** Lack of experience, expertise, strategy and strategic leadership, poor financial control, insufficient commitment

3. Types of Entrepreneurship

1) Small Business Entrepreneurship

Today, the overwhelming number of entrepreneurs and startups in the United States are still small business. There are 5.7 million small businesses in the U.S. that make up 99.7% of all companies. **Small business ventures include grocery stores, consultants, travels agents, internet commerce storefronts** etc. As they can't provide the scale to attract venture capital, they fund their business via friends/ family or small business loans.

2) Scalable Startup Entrepreneurship

Unlike small businesses scalable **startups are like**

Silicon Valley entrepreneurs. They attract investment from financial investors-venture capitalists. They hire the best and the brightest. Their job is to search for a repeatable and scalable business model with scope for rapid expansion.



**STARTUP
INDIA
STAND UP INDIA**

16th January 2016. This scheme will boost entrepreneurship in the country at grassroots level ensuring that the youth benefit from the lowest strata of society. Various IITs, NITs, central universities and IIMs of India were

connected through the live connectivity during the successful launch of campaign. **The main aim of this scheme is to promote bank financing** as well as offer incentives for start-up ventures to boost the entrepreneurship and new job creation techniques among them.

3) Large Company Entrepreneurship

Large companies grow through sustaining innovation, offering new products that are variants around their core products. Changes in customer tastes, new technologies, legislation, new competitors, etc. can create pressure for more disruptive innovation requiring large companies to create entirely new products attracting new customers.

4) Social Entrepreneurship

Social entrepreneurs are innovators who focus on creating products and services that solve social needs and problems. But unlike scalable startups their goal is to make the world a better place. They may be nonprofit, for-profit, or hybrid.

4. Startup India Standup India Campaign

A new campaign named as **Startup India, Standup India** was announced by the **Prime Minister Narendra Modi** during his speech on Independence Day 2015. This is an effective scheme launched on 16th of January 2016 by the Modi government that focuses on the youth of the country and create opportunities for them to become industrialists and entrepreneurs which need the establishment of a startup network. Startups enable youth of the country to have financial support from banks to strengthen their venture and thus create more employment in India.

This enables the startups to use their innovative ideas in right direction. PM has also requested to all the banks to support at least one dalit and one woman entrepreneur. **This scheme will motivate and promote new comers towards business and grow their career and economy of the country.**

5. Action Plan of Startup India Standup India Scheme

A complete action plan of this scheme was launched on

6. Some of India's Notable Entrepreneurs

Dhirubhai Ambani (1932-2002) started out humbly by selling traditional snacks to religious pilgrims.

Jehangir Ratanji Dadabhoy Tata,

Nagavara Ramarao Narayana Murthy, 68, co-founded Indian IT giant **Infosys**

Azim Premji, 69, chairman of **Wipro Industries**

Lakshmi Niwas Mittal, Ghanshyam Das Birla

Dilip Shanghvi, 59, started **Sun Pharmaceuticals** in 1982

Mukesh "Micky" Jagtiani, creating India's version of **Amazon**

Shiv Nadar, 69, founded **HCL Infosystems**

Ardeshir Godrej (1868-1936) co-founded the **Godrej Group**

7. Conclusion

This initiative has been welcomed by all to lead India in the right direction. The most important point about this campaign is that it involves the youth of the country having fresh and innovative ideas, required strength, high energy level, positive approach, skills and new thinking to lead business. Today's youth is tomorrow's future so the future of the nation has been addressed through this campaign. The authors hope that this article encourages more and more young minds to bloom into successful entrepreneurs.

"All of us do not have equal talent. Yet, all of us have an equal opportunity to develop our talents." - Ratan Tata

DIFFERENT TYPES OF LEADERSHIP STYLE ADOPTED IN ORGANISATIONS

-Dr. Anju Bharti, Asst. Professor
Dept. Of Management, MBA, MAIT

Leadership refers to an individual's ability to influence, motivate, and enable others to contribute toward organizational success. The most appropriate leadership style depends on the function of the leader, the followers and the situation. Furthermore, the specific situation helps determine the most effective style of interactions. Leaders may handle problems that require immediate solutions without consulting followers.

Different types of ways people tend to lead organizations or other people. These are following:

1. Autocratic Leadership

Autocratic leadership style is centered on the boss. In this leadership, the leader holds all authority and responsibility. In this leadership, leaders make decisions on their own without consulting subordinates. They reach decisions, communicate them to subordinates and expect prompt implementation. Autocratic work environment does normally have little or no flexibility.

In this kind of leadership, guidelines, procedures and policies are all natural additions of an autocratic leader. Statistically, there are very few situations that can actually support autocratic leadership.

2. Democratic Leadership

In this leadership style, subordinates are involved in making decisions. Unlike autocratic, this leadership is centered on subordinates' contributions. The democratic leader holds final responsibility, but he or she is known to delegate authority to other people, who determine work projects. The most unique feature of this leadership is that communication is active upward and downward. With respect to statistics, democratic leadership is one of the most preferred leadership, and it entails the following: fairness, competence, creativity, courage, intelligence and honesty.

3. Strategic Leadership Style

Strategic leadership is one that involves a leader who is essentially the head of an organization. The strategic leader is not limited to those at the top of the organization. It is geared to a wider audience at all levels who want to create a high performance life, team or organization.

The strategic leader fills the gap between the need for new possibility and the need for practicality by providing a prescriptive set of habits. An effective strategic leadership

delivers the goods in terms of what an organization naturally expects from its leadership in times of change.

4. Transformational Leadership

Unlike other leadership styles, transformational leadership is all about initiating change in organizations, groups, oneself and others.

Transformational leaders motivate others to do more than they originally intended and often even more than they thought possible. They set more challenging expectations and typically achieve higher performance.

Statistically, transformational leadership tends to have more committed and satisfied followers. This is mainly so because transformational leaders empower followers.

5. Team Leadership

Team leadership involves the creation of a vivid picture of its future, where it is heading and what it will stand for. The vision inspires and provides a strong sense of purpose and direction. Team leadership is about working with the hearts and minds of all those involved. It also recognizes that teamwork may not always involve trusting cooperative relationships.

6. Cross-Cultural Leadership

This form of leadership normally exists where there are various cultures in the society. This leadership has also industrialized as a way to recognize front runners who work in the contemporary globalized market.

Organizations, particularly international ones require leaders who can effectively adjust their leadership to work in different environs.

7. Facilitative Leadership

Facilitative leadership is too dependent on measurements and outcomes - not a skill, although it takes much skill to master. The effectiveness of a group is directly related to the efficacy of its process. If the group is high functioning, the facilitative leader uses a light hand on the process.

On the other hand, if the group is low functioning, the facilitative leader will be more directives in helping the group run its process. An effective facilitative leadership involves



monitoring of group dynamics, offering process suggestions and interventions to help the group stay on track.

8. Laissez-faire Leadership

Laissez-faire leadership gives authority to employees. Departments or subordinates are allowed to work as they choose with minimal or no interference. According to research, this kind of leadership has been consistently found to be the least satisfying and least effective management style.

9. Transactional Leadership

This is a leadership that maintains or continues the status quo. It is also the leadership that involves an exchange process, whereby followers get immediate, tangible rewards for carrying out the leader's orders. Transactional leadership can sound rather basic, with its focus on exchange.

10. Coaching Leadership

Coaching leadership involves teaching and supervising followers. A coaching leader is highly operational in setting where results/ performance require improvement. In this kind of leadership, followers are helped to improve their skills. Coaching leadership does the following: motivates followers, inspires followers and encourages followers.

11. Charismatic Leadership

In this leadership, the charismatic leader manifests his or her revolutionary power. Charisma does not mean sheer behavioral change. It actually involves a transformation of followers' values and beliefs.

Therefore, this distinguishes a charismatic leader from a simply populist leader who may affect attitudes towards specific objects, but who is not prepared as the charismatic leader is, to transform the underlying normative orientation that structures specific attitudes.

12. Visionary Leadership

This form of leadership involves leaders who recognize that the methods, steps and processes of leadership are all obtained with and through people. Most great and successful leaders have the aspects of vision in them.

However, those who are highly visionary are the ones considered to be exhibiting visionary leadership. Outstanding leaders will always transform their visions into realities.

13. Servant Leadership

The servant-leader is servant first i.e. it begins with the natural feeling that one wants to serve, to serve first. Servant leadership is a leadership philosophy. Traditional leadership generally involves the exercise of power by one at the "top of the pyramid." By comparison, the servant-leader shares



power, puts the needs of others first and helps people develop and perform as highly as possible. Servant leadership turns the power pyramid upside down; instead of the people working to serve the leader, the leader exists to serve the people. When leaders shift their mindset and serve first, they unlock purpose and ingenuity in those around them, resulting in higher performance and engaged, fulfilled employees.

14. Benevolent Leadership

Benevolent leadership is the process of creating a virtuous cycle of encouraging and initiating positive change in organizations through: a) ethical decision making, b) creating a sense of meaning, c) inspiring hope and fostering courage for positive action, and d) leaving a positive impact for the larger community. Benevolent leaders are those who create observable benefits, actions, or results for the common good. The term "common good" is used in the sense of shared benefits or positive outcomes for all or most members of a community (Daly and Cobb, 1989; Bryson, and Crosby, 1992). Benevolent leaders exemplify whole-hearted and genuine actions at work that benefit people around them. Therefore, they have an inclination to do good, kind or charitable acts due to a felt obligation to use their developmental and intentional attributes of love and charity.

15. Spiritual Leadership in Management

Spirituality in leadership is a holistic approach to leadership in which the leader strives to encourage a sense of significance and interconnectedness among employees. Spiritual leadership involves the application of spiritual values and principles to the workplace. The spiritual leader understands the importance of employees finding meaning in their work and demonstrates a genuine concern for the "whole" person, not just the employee. Spirituality in leadership implies that the focus will be less on formal position power and more on people; less on conformity and more on transformation and diversity; also, less on controlling and more on partnership, collaboration and inspiration.



DIGITAL INDIA

-Reibhu Sant, Dept. of ECE

The Digital India programme is a flagship programme of the Government of India with a vision to transform India into a digitally empowered society and knowledge economy. It was launched on 01 July 2015 by the Prime Minister Narendra Modi to ensure that Government services are made available to citizens electronically by improved online infrastructure, and by increasing Internet connectivity or by making the country digitally empowered in the field of technology. The initiative includes plans to connect rural areas with high-speed internet networks. Digital India consists of three core components: Development of secure and stable Digital Infrastructure, Delivering government services digitally, and Universal Digital Literacy. It is both enabler and beneficiary of other key Government of India schemes, such as Bharatmala, Sagarmala, Dedicated Freight Corridors, Industrial corridors, UDAN-RCS, BharatNet and Make in India.

Considering the shortcomings in National e-Governance Plan that included lack of integration amongst Government applications and databases, low degree of government process reengineering, scope for leveraging emerging technologies like mobile, cloud...etc, the Government of India has approved the e-Kranti programme recently with the vision of "Transforming e-Governance for Transforming Governance".



Digital India
Power To Empower

All new and on-going eGovernance projects as well as the existing projects, which are being revamped, should now follow the key principles of e-Kranti namely 'Transformation and not Translation', 'Integrated Services and not Individual Services', 'Government Process Reengineering (GPR) to be mandatory in every MMP', 'ICT Infrastructure on Demand', 'Cloud by Default', 'Mobile First', 'Fast Tracking Approvals', 'Mandating Standards and Protocols', 'Language Localization', 'National GIS (Geo-Spatial Information System)', 'Security, and Electronic Data Preservation'.

The portfolio of Mission Mode Projects has increased from 31 to 44 MMPs. Many new social sector projects namely Women and Child Development, Social Benefits, Financial Inclusion, Urban Governance, eBhasha...etc have been added as new MMPs under e-Kranti.

Digital India is an umbrella programme that covers multiple Government Ministries and Departments. It weaves

together a large number of ideas and thoughts into a single, comprehensive vision so that each of them can be implemented as part of a larger goal. Each individual element stands on its own, but is also part of the larger picture. Digital India is to be implemented by the entire Government with overall coordination being done by the Department of Electronics and Information Technology (DeitY). Digital India aims to provide the much needed thrust to the nine pillars of growth areas, namely Broadband Highways, Universal Access to Mobile Connectivity, Public Internet Access Programme, e-Governance: Reforming Government through Technology, e-Kranti - Electronic Delivery of Services, Information for All, Electronics Manufacturing, IT for Jobs, and Early Harvest Programmes.



All the initiatives, including establishing and expanding core ICT infrastructure, delivery of services ...etc under the Digital India programme have definitive completion time targets. Majority of the initiatives are planned to be realized within the next three years. The initiatives planned for early completion ("Early Harvest Programmes") and citizen communication initiatives ("Information for All") have already started going live and are being completed.

The Digital India programme aims at pulling together many existing schemes. These schemes will be restructured, revamped and re-focused and will be implemented in a synchronized manner. Many elements are only process improvements with minimal cost implications. The common branding of programmes as Digital India highlights their transformative impact. While implementing this programme, there would be wider consultations across government, industry, civil society, and citizens to discuss various issues to arrive at innovative solutions for achieving the desired outcomes of Digital India. DeitY has already launched a digital platform named as "myGov" (<http://mygov.in/>) to facilitate collaborative and participative governance. Moreover, several consultations and workshops have been organized to discuss the implementation approach of the vision areas of Digital India.

○

AN ESCAPE FROM REALITY!

-Saumya Gupta
BJMC, 2nd year



We have always been told to believe that if we behave in a fair manner, have good intentions and do our best possible in the event called life so others will treat us likewise too!

But when reality strikes, we end up noticeably surprised and baffled and even furious when others don't play this diversion. When they treat us in a way that is, by all accounts unreasonable.

Not justified. Not right at all. But that is what life is, accepting people with or without flaws!

It's unrealistic to expect that one can never get hurt by unjust criticism. After all we are humans, and this is human nature that we take things too seriously, be it praise or be it criticism!

When I respond angrily to comments from anyone then my mood is being influenced by them and then long after that they have moved on, forgotten about me and are sound asleep but I lie there mentally and emotionally re-running the entire thing in my mind, imagining all the things I could

have said. All the ways I could have responded and then of course losing my hours of sleep too!

People who are nasty are usually entirely troubled. They're having an awful day or even an awful life.

But if we take those comments way too seriously then we are allowing them to pollute us and also to spread their unhappiness. And after that

They've won!"

If someone chooses to be offensive we cannot stop them. What we can do is choose to spend little or no time in their presence.

So stop thinking, stop retaliating and start living because you can't sort out everything with everyone in this so short journey called LIFE!

HOW DEVILS MADE ME ONE OF THEM

-Riya Pahuja
BJMC, 3rd Year



I felt something in me today,

I felt someone moving.

It was you; 2 weeks old.

You made me feel new,

You gave me a new life;

anew routine;

a new me.

But this world;

Its evil shadows didn't let me be with you.

The devils, the merciless devils!

They made me feel stilted;

Their inhuman nature strained me.

They wanted me to let go of you.

How could I?

How can I let you go?

How can I abandon you?

How can I take your chance away to see this world?

though this world is nothing but a mirage of sugar.

How could I?

But the evils don't listen to you, do they?

They made me do this.

The unsparing creatures made me do this.

I failed.

I could not help but lie there and see you go.

I could not fight for you.

That's how the devils made me one of them!

शिवाजी जयन्ती (१९ फरवरी) पर विशेष

इन्द्र जिमि जंभ पर, बाडब सुअंभ पर

इन्द्र जिमि जंभ पर, बाडब सुअंभ पर,
रावन सदंभ पर, रघुकुल राज हैं।

पौन बारिबाह पर, संभु रतिनाह पर,
ज्यों सहस्रबाह पर राम-द्विजराज हैं।

दावा द्रुम दंड पर, चीता मृगझुंड पर,
'भूषन वितुंड पर, जैसे मृगराज हैं।

तेज तम अंस पर, कान्ह जिमि कंस पर,
त्यों मलिच्छ बंस पर, सेर शिवराज हैं।

ऊँचे घोर मंदर के अंदर रहन वारी,
ऊँचे घोर मंदर के अंदर रहाती हैं।

कंद मूल भोग करैं, कंद मूल भोग करैं,
तीन बेर खातीं, ते वे तीन बेर खाती हैं।

भूषन शिथिल अंग, भूषन शिथिल अंग,
बिजन डुलातीं ते वे बिजन डुलाती हैं।

'भूषन भनत सिवराज बीर तेरे त्रास,
नगन जडातीं ते वे नगन जडाती हैं।

छूटत कमान और तीर गोली बानन के,
मुसकिल होति मुरचान की ओट मैं।

ताही समय सिवराज हुकुम कै हल्ला कियो,
दावा बाँधि परा हल्ला बीर भट जोट मैं।

'भूषन' भनत तेरी हिम्मत कहां लौं कहों,
किम्मत इहां लगि है जाकी भट झोट मैं।



ताव दै दै मूँछन, कंगूरन पै पांव दै दै,
अरि मुख घाव दै-दै, कूदि परैं कोट मैं।

बेद राखे बिदित, पुरान राखे सारयुत,
रामनाम राख्यो अति रसना सुघर मैं।

हिंदुन की चोटी, रोटी राखी हैं सिपाहिन की,
कांधे मैं जनेऊ राख्यो, माला राखी गर मैं।

मीडि राखे मुगल, मरोडि राखे पातसाह,
बैरी पीसि राखे, बरदान राख्यो कर मैं।

राजन की हद्द राखी, तेग-बल सिवराज,
देव राखे देवल, स्वधर्म राख्यो घर मैं।

शिवराज भूषण से उद्धृत
कवि भूषण
(1613-1705)



उद्यमेन हि सिध्यन्ति
कार्याणि न मनोरथैः



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When you focus from competition to contribution life becomes a celebration. -Lord Buddha