

# AGRANI SAMKALP

अग्रणी संकल्प

योग: कर्मसु कोशलम्



**MAIT**

उद्यमेन हि सिध्यन्ति  
कार्याणि न मनोरथैः



Maharaja Agrasen Technical Education Society



## नव शैक्षणिक सत्र 2018-19 का शुभारम्भ

महाराजा अग्रसेन परिसर में वैदिक रीति से यज्ञ और मंत्रोच्चार के साथ नए शैक्षणिक सत्र का शुभारम्भ 1 अगस्त बुधवार को हुआ। इस अवसर पर मुख्य अतिथि के रूप में गोवा की राज्यपाल महामहिम डॉ. मृदुला सिन्हा और पूर्व केन्द्रीय मंत्री डॉ. रामकृपाल सिन्हा की उपस्थिति ने इस मौके को और भी खास बना दिया।

महाराजा अग्रसेन यूनिवर्सिटी के कुलाधिपति और महाराजा अग्रसेन टेक्निकल एजुकेशन सोसायटी के संस्थापक अध्यक्ष डॉ. नन्दकिशोर गर्ग ने पुस्तकें भेंट कर अतिथियों का स्वागत किया। नए छात्रों को शुभकामनाएं देते हुए डॉ. मृदुला सिन्हा ने कहा कि छात्र देशभक्त बनें। विचार अच्छे रखें और माता-पिता व गुरुओं का सम्मान करें। संस्थान के संस्थापक अध्यक्ष डॉ. नन्द किशोर गर्ग ने कहा कि संस्थान की शिक्षा का उद्देश्य छात्रों को अच्छा पैकेज दिलाने के साथ-साथ अच्छा इंसान बनाना भी है। ऐसा इंसान जो समाज, राष्ट्र एवं विश्व के कल्याण हेतु कार्य करें।







डॉ. नंद किशोर गर्ग

## संस्थापक की कलम से राष्ट्रीय चेतना को समर्पित 20 वर्ष : डॉ. नंद किशोर गर्ग

आज से 20 वर्ष पहले 1998 में महाराजा अग्रसेन टेक्निकल एजुकेशन सोसायटी की स्थापना उच्चस्तरीय तकनीकी एवं प्रबंधन की शिक्षा प्रदान करने के उद्देश्य से की गई थी तो उसके पीछे एकमात्र उद्देश्य यही था कि देश के लिए कुशल एवं राष्ट्रीयता की भावना से ओत-प्रोत नागरिकों का निर्माण किया जाए। आज जब 20 वर्षों की यात्रा के बाद पीछे नजर घुमाकर देखते हैं तो इस बात का संतोष निश्चित रूप से होता है कि हम अपने लक्ष्य के अनुरूप आगे बढ़ रहे हैं लेकिन साथ ही यह एहसास भी बना रहता है कि इस यात्रा का कोई अंत नहीं है एवं हमें निरंतर आगे बढ़ते रहना है। सोसायटी द्वारा संचालित महाराजा अग्रसेन इंस्टिट्यूट ऑफ टेक्नोलॉजी (मेट) एवं महाराजा अग्रसेन इंस्टिट्यूट ऑफ मैनेजमेंट स्टडीज (मेम्स) आज इन्द्रप्रस्थ विश्वविद्यालय के सर्वश्रेष्ठ कॉलेज के रूप में पहचान बना चुके हैं। पूरे भारत में गैर सरकारी इंजीनियरिंग कॉलेजों में मेट की रैंकिंग 10वीं है। 1998 में जब हमने इंजीनियरिंग कॉलेज प्रारम्भ किया था तो हमें 180 विद्यार्थियों के प्रवेश की स्वीकृति मिली थी। आज बी.टेक में हमने 960 विद्यार्थियों का एवं एमबीए में 180 विद्यार्थियों का प्रवेश मेट के प्रथम वर्ष में किया है। इसके अलावा 96 विद्यार्थियों को इंजीनियरिंग के द्वितीय वर्ष में सीधे प्रवेश दिया गया है। इस प्रकार मेट में इस वर्ष 1176 बच्चों को प्रवेश दिया गया है। मेम्स में भी बीबीए, बी.कॉम, बी.ए., एलएलबी, बीजेएमसी एवं बी.कॉम ऑनर्स में 720 बच्चों को प्रवेश दिया गया है। दुर्भाग्यवश दिल्ली सरकार एवं इन्द्रप्रस्थ विश्वविद्यालय में समन्वय नहीं होने के कारण हम इकोनॉमिक्स ऑनर्स में 60 बच्चों को प्रवेश नहीं दे सके जबकि इसी पाठ्यक्रम में पिछले वर्ष प्रवेश दिया जा चुका है एवं इकोनॉमिक्स ऑनर्स का पाठ्यक्रम हमारे यहाँ सफलतापूर्वक चल रहा है। सांसद एन.डी. गुप्ता के प्रयासों से दिल्ली सरकार द्वारा हमें इस पाठ्यक्रम में प्रवेश की अनुमति वाली चिट्ठी 17 अगस्त को प्राप्त हुई तब तक बहुत देर हो चुकी थी एवं विश्वविद्यालय की प्रवेश प्रक्रिया बंद हो चुकी थी। एक ओर जहाँ मेट एवं मेम्स में प्रवेश के लिए योग्य विद्यार्थियों की लाइन लगी हुई है। वहीं दूसरी ओर विश्वविद्यालय के बहुत सारे कॉलेजों में सीटें खाली रह गई हैं। इस स्थिति में तालमेल की कमी से 60 बच्चों का अपने मनपसंद पाठ्यक्रम एवं कॉलेज में प्रवेश से वंचित रह जाना निश्चित रूप से दुर्भाग्यपूर्ण है।

मेट एवं मेम्स अन्तर्राष्ट्रीय स्तर पर अपनी पहचान बनाने में सफल हो रहे हैं। पूरे भारत में आयोजित हेकाथॉन में हमारी दो टीमों पूरे भारत में पहले स्थान पर रहीं एवं इनमें से एक टीम इस समय पूरी दुनिया में 18वें स्थान पर है एवं प्रतियोगिता अभी चल रही है। अंतिम परिणाम आना अभी बाकी है। देश में प्रथम आने पर हमारी टीम को 10 लाख रुपये का नकद इनाम एवं अन्तर्राष्ट्रीय स्तर पर भाग लेने के लिए विदेश जाने का अवसर मिला। इसी प्रकार टाटा मोटर्स एवं ऑटोमोबाइल एसोसिएशन द्वारा आयोजित प्रतियोगिता में भी हमारी टीम विजेता रही। सोसायटी का नियम है कि हमारे विद्यार्थी राष्ट्रीय एवं अन्तर्राष्ट्रीय प्रतियोगिताओं में जितने पुरस्कार जीतेंगे उतनी ही पुरस्कार राशि सोसायटी द्वारा भी उन्हें प्रदान की जाएगी जिससे हमारे विद्यार्थी एवं शिक्षक इन प्रतियोगिताओं में अपनी पहचान बनाने में सफल सिद्ध हो रहे हैं। सोसायटी द्वारा प्रत्येक वर्ष अपने परिसर में बॉलीबाल एवं टेबल टेनिस की प्रतियोगिता कराई जाती है जिसमें विभिन्न विश्वविद्यालयों की टीमों भाग लेती हैं। महाराजा अग्रसेन विश्वविद्यालय की बॉलीबाल टीम ने भी कई प्रतियोगिताएँ जीतने में सफलता प्राप्त की है। सांस्कृतिक गतिविधियाँ पूरे वर्ष चलती रहती हैं। जिससे हमारे विद्यार्थियों का सर्वांगीण विकास हो रहा है। यही कारण है कि अगस्त महीने में ही 15 कम्पनियों द्वारा किए गए कैम्पस सेलेक्शन में अंतिम वर्ष में पढ़ने वाले अधिकांश छात्रों को तीन लाख से बारह लाख रुपये पैकेज वाली नौकरियों के नियुक्ति पत्र मिल चुके हैं। जबकि उनकी एक वर्ष की पढ़ाई अभी बाकी है।

नए सत्र की शुरुआत भारतीय संस्कृति के अनुरूप विधिवत हवन-पूजन के साथ हो चुकी है। जिसमें हमारे छात्रों को गोवा की राज्यपाल महामहिम डॉ. मृदुला सिन्हा जी का प्रेरक वक्तव्य सुनने का अवसर मिला। सोसायटी द्वारा अपने संस्थानों में योग्य एवं अनुभवी शिक्षकों की नियुक्ति की प्रक्रिया निरंतर चलती रहती है। इस वर्ष नेशनल लॉ यूनिवर्सिटी के पूर्व कुलपति प्रो. रैना, डी.आर.डी.ओ. के वरिष्ठ वैज्ञानिक डॉ. चन्द्र प्रकाश एवं वैश्य लॉ कॉलेज रोहतक के प्रो. प्रवीण गुप्ता जैसे अनुभवी शिक्षाविद् हमारे साथ जुड़े हैं, जिसका लाभ निश्चित रूप से हमारे विद्यार्थियों को प्राप्त होगा। सोसायटी द्वारा अपना इंफ्रास्ट्रक्चर बढ़ाने की दिशा में भी निरंतर प्रयास किया जा रहा है। मेट परिसर में 10 मंजिला दो नए टॉवर बनाने का प्रस्ताव इस समय विभिन्न सरकारी एजेंसियों के पास विचाराधीन है। इनकी स्वीकृति मिलते ही निर्माण कार्य प्रारम्भ कर दिया जाएगा। इन दोनों टावरों के निर्माण से एक लाख वर्गफुट निर्माण क्षेत्र हमें प्राप्त होगा जिससे नए-नए पाठ्यक्रम प्रारम्भ करने एवं विद्यार्थियों की संख्या बढ़ाने में हम सफल हो सकेंगे। इसमें से एक टॉवर का नाम मेट एवं मेम्स परिसर के उद्घाटनकर्ता देश के यशस्वी प्रधानमंत्री स्व. अटल जी के नाम पर रखने का विचार है। सोसायटी द्वारा प्रत्येक वर्ष लगभग 15-20 करोड़ रुपये अपने इंफ्रास्ट्रक्चर के विकास पर खर्च किया जाता है। महाराजा अग्रसेन विश्वविद्यालय में भी 500 विद्यार्थियों की क्षमता वाला हॉस्टल तैयार होने वाला है जिससे देश के कोने-कोने से यहाँ पढ़ने के लिए आने वाले विद्यार्थियों को सुविधा मिलेगी।

विश्वविद्यालय द्वारा इस वर्ष 30 विद्यार्थियों को पी.एच.डी. में पंजीकृत किया गया है। इस प्रकार केजी से लेकर पी.एच.डी. तक की शिक्षा प्रदान करने का जो सपना सोसायटी की स्थापना के समय देखा गया था वह साकार हो चुका है। इसके लिए सोसायटी के 200 ट्रस्टी, 500 आजीवन सहयोगी, 700 स्टॉफ, 7000 विद्यार्थी, 7000 पूर्व विद्यार्थी एवं अभिभावकों के सहयोग एवं योगदान को श्रेय दिया जाना चाहिए। हमारी सफलता महाराजा अग्रसेन के आदर्शों की सफलता है जिन्होंने 'एक रुपया एक ईंट' के आदर्श द्वारा हम सबको अपनी कमाई का एक हिस्सा राष्ट्र निर्माण एवं समाज के कमजोर वर्गों के विकास में लगाने का संस्कार प्रदान किया है।



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# Contents

राष्ट्रीय चेतना को समर्पित 20 वर्ष : – संस्थापक की कलम से	1
<b>CAMPUS NEWS</b>	
Teacher's Day 2018	3
Director's Message	4
Maharaja Agrasen School of Law welcomes it's new director	4
Dept. of Applied Sciences WELCOMES it's new HoD	4
Techsurge and Mridang (TnM) 2018	5
Wave Fest	6
MAIT rewarded by AICTE and Intershala on Intership Day	7
Pariksha Pe Charcha with PM Modi	7
Inter-College B.Tech Major Project 2017-18	7
MAIT-SAE Collegiate Club	8
Workshop at AICTE Delhi	10
90 Days Training at Officer Training Academy, Gwalior	10
5 Days FDP in MAIT by CSE and IT Departments	11
Special Recognition of MAIT Faculty BY E-YANTRA Team	11
Hands-on Workshop on 'Android' in I.T. Department	12
Milestones of Success at MAIMS	13
Chhayankan 2018	15
MAIT's Students Attended a Workshop at AICTE Delhi	15
FDP at Applied Sciences Department	16
BJMC Meet 2018	16
Industrial Visit to Mahanagar Telephone Nigam Ltd.	17
FDP on Data Analysis-MAIMS	17
Department of Electronics and Communication	18
One Day Seminar on Waste Management	19
FDP on "Deep learning" and "Devops"	19
Faculty Development Programme	20
Student's Technical Achievements-Dept. of CSE	20
Some Glimples	22
3rd Position of I.T. Department's Project in GGSIPU...	25
Workshops & Seminars-Dept. of CSE	26
TechCom - Technical Computer Society	26
Hult Prize 2018	27
ACM-MAIT Student Chapter Events	27
E & Y Financial Modelling Session	35
<b>OUR ACHIEVERS</b>	
MAIT Ranking in top 20 in GGSIPU	28
Students participation in Mindrover Season-6	33
Blood Donation Rewards -28th March 2018	37
<b>FACULTY ARTICLES</b>	
Modeling of the Geothermal Energy	34
Prime Minister Sh. Narendra Modi's Role in India's Economic Development	36
Analysing Self - A Journey from Being Fearful to Becoming Fearless	38
Recent Disasters-what do they reveal about humanity?	39
<b>STUDENT ARTICLES</b>	
Beauty	37
Inside Delhi's Dark Lanes of Drug Abuse	40
<b>SPECIAL</b>	
Sir Vishveshwariya	21
Swami Vivekananda's speech at the Parliament of Religion, Chicago	42
मातृभाषा के प्रति	43
<b>श्रद्धांजलि</b>	
कदम मिलाकर चलना होगा	44



## TEACHER'S DAY 2018



Maharaja Agrasen Technical Education Society celebrated the Teacher's Day in Maharaja Agrasen Auditorium to acknowledge the hardwork and dedication personified by the selfless *gurus* of MAIT and MAIMS on 4th September 2018. Mr. Ashwini Kumar Choubey, the Minister of State for Health & Family Welfare graced the occasion as the chief guest of the function. On this auspicious day a cheque of 21 lakh rupees was given to PM relief fund for Kerala on behalf of the Maharaja Agrasen Technical Education Society (MATES).

This amount, collected by the philanthropic efforts of the management of the institute, teachers, students and non-teaching staff, was handed over to the chief guest for Kerala relief fund. On this occasion the teachers were honored for their special contribution in the fields of academics and research. Apart from this, the teachers and non-teaching employees who completed 15 years of their service in the Institute were also honoured for their relentless pursuit of excellence.

Addressing the function organized at Maharaja Agrasen Auditorium, Shri Ashwani Chaubey emphasised the impotence of fusing knowledge with ethics. He talked about encouraging research and exploration in educational institutions. While addressing the teachers, the Vice Chancellor Maharaja Agrasen University, Baddi and founder Chairman MATES Dr. Nand Kishore Garg said that the MATES is committed to wholistic growth of the students. The aim is to nurture global citizen with ethics and values. He cautioned the students to be alert to the urban naxals and become a patriot. The program ended with a culturer presentation and commitment to words nation building.



## DIRECTOR'S MESSAGE

It gives me immense pleasure to extend my warm greetings and good wishes to everyone.

The New Academic year 2018-19 shall bring new challenges, and we hope to galvanize the system by fostering innovations and team spirit. We hope to garner support of one and all in our endeavour to bring about a qualitative change.

MAIT aims to improve quality of technical education, and enhance existing capacities to become dynamic, demand-driven, efficient and forward looking, responsive to rapid economic and technological and managerial developments occurring both at national and international levels. Last but not the least a humble message to all those who study here:

**“Develop a passion for learning. If you do, you will never cease to grow.”**

- Anthony J. D'Angelo



Prof. Neelam Sharma  
Director, MAIT

## MAHARAJA AGRASEN SCHOOL OF LAW WELCOMES IT'S NEW DIRECTOR



Prof. S.C. Raina who joined Maharaja Agrasen School of Law as Director General, is the Founder and Former Vice-Chancellor of Himachal Pradesh National Law University (NLU). Before joining Himachal Pradesh NLU in sept-2016 Prof. S.C. Raina Served as the Dean Faculty of Law, University of Delhi. He has also been the Professor-Incharge of campus Law center from 2007-10.

Prof. Raina has 2 Books and 18 Papers to his credit. Besides he has completed 03 Post Doctoral Research Projects while in Delhi and 01 latest when he was in Himachal Pradesh. These are the projects sponsored by UGC, BPR&D, World Bank through NUJS, Kolkota and NHRC.

Prof. Raina was invited to Max-Plank Institute of International Criminal Law and Criminology Frieberg in 2009 and 2010, as expert to work on a Project "Transborder Organized Crimes." He has also been awarded fellow of Indian Society of Criminology and was in addition conferred "Harish Chander Halkarwal Award of Society given to a Young Scholar in recognition to his capacity to carry Social Science Research. Prof. Raina was given the Fellowship under "Career Awardee" scheme of UGC for three year 1994-97, given to those who are below 40 years of age and show aptitude for Research.

Prof. Raina has been given the status of "Distinguished Visting Professor" by Symbiosis International University - to visit all centers of Law of Symbiosis for interaction with Teachers, Scholars and Students.

## DEPT. OF APPLIED SCIENCES WELCOMES IT'S NEW HOD



Prof. Chandra Prakash joined MAIT on August 1, 2018 as Professor and Head, Department of Applied Sciences. He also has additional responsibility of guiding research at Maharaja Agrasen University, Baddi. He served in DRDO for 33 years (1985-2018) in various capacities and superannuated at the age of 60 years in Feb 2018 from the position of Group Director/Technology Director from

Solid State Physics Laboratory, DRDO, Delhi. He obtained M.Sc. (Physics), in 1980, and M.Phil. degrees from Institute of Advanced Studies, Meerut University, Ph.D., in 1986, from Delhi University and MBA from Sikkim Manipal University. He has more than **240** research papers in peer reviewed SCI journals and **2** patents, in the area of Electroceramic Materials: bulk, thin films and devices, to his credit. He has very impressive citation index, total citations **3280** (as on August 31, 2018) with *h*-index: **30** and *i*-10 index: **86**. His name is listed among top 10 researchers in the field of materials science by Deptt of Science & Technology (DST), Govt of India,

in a survey carried out in association with Elsevier. Full report entitled "International Comparative Performance of India's Research Base (2009-2014)" (290 pages), released in Dec 2015, is available on DST web site. 14 students have been awarded Ph.D. degrees under his supervision. He has been Member: Research Councils, Academic Councils, Selection Committees and Visiting Professor/Adjunct Professor at a number of Universities.

He is Fellow, Asia Pacific Academy of Materials (APAM); Fellow, Institution of Electronics and Telecommunication Engineers (IETE); Fellow, Ultrasonics Society of India; Member, National Academy of Sciences (India) (NASI); Chairman, Materials Research Society of India (MRSI), Delhi Chapter and Member, International Association of Advanced Materials (IAAM). He is also Executive Council Member, Magnetics Society of India (MSI); Executive Council Member, Ultrasonics Society of India (USI); Founder Life member, Institute of Smart Structures and Systems (ISSS); Life Member, Semiconductor Society of India and Life Member, Institute of Defence Scientists & Technologists (IDST).



## TECHSURGE AND MRIDANG (TNM) 2018



As the journey of Techsurge and Mridang (TnM) continues, every year TnM comes with a visionary theme to provide opportunities for youth to



showcase their talent in the fields of Technology, Culture, Arts and Sports. This year's TnM theme was "Today's Dream Tomorrow's Reality", with an aim to provide students a chance for experimentation and innovation to exhibit their skills, will help them in transforming their dreams into Reality. Maharaja Agrasen Institute of Technology organized its popular 3 days (22nd -24th March) Techno-Cultural Fest Techsurge, and Mridang 2018. The Chief Guest of the day was Shri. Mohan Garg, Joint General Secretary of MATES. The Fest was kick-started with the Inauguration ceremony, which as is customary, began with the auspicious Saraswati Vandana, and was followed by lighting of the Lamps by the esteemed Guests including Prof. (Dr.) M.L Goyal, Director General(MAIT), Prof. M.K Bhat Director (MAIMS) and Dr. Neelam Sharma, Director (MAIT). Bouquets were presented to the Guests, and pleasantries were exchanged.

Prof. (Dr.) M.L Goyal delivered the keynote address. He briefed about how the Fest was started, and gave a general outline of the Fest. Sh. Mohan Garg addressed the audience and praised MAIT as an institution, and also encouraged students for good show during events of the Fest. Mr. Vinay Saini succeeded him, and thanked Fest Sponsors : Mojo Land, Coding Blocks, Just Chill and 19 sponsors in total. The day then continued with many popular events of Fest (like Voice Of Mridang, Mait's Got Talent, and Coding Junction) and students from various colleges of Delhi NCR participated in these events.

Techsurge and Mridang'18 was a success with over 60 events, and over 1000 participants. The events ranged from Technical to Cultural, from Sports to Literary. The Star Performance (Crescendo), witnessed a record breaking crowd where Popular Punjabi Singer Sandeep Brar performed on his popular songs to entertain the crowd.



## WAVE FEST

WAVE society organized a unique extravaganza for first year students of MAIT which took place at the main auditorium of the institute on Saturday, 18 August. The event was attended by over 500 students. Amongst the dignitaries were the Chief Guest, Dr. Nand Kishore Garg, Founder and Chief Advisor, MATES; Shri Mohan Garg Ji, General Secretary, MATES; Dr. M.L. Goyal, Director General, MAIT; Dr. S.S. Deswal, Dean; Shri Jairam Mani Tripathi, Chief Accounts Officer, MATES; Dr. M.L. Sharma, HOD (Information Technology Department); and various other faculty members of the institute. The name

WAVE is an acronym which stands for Wisdom Awakened through Value Education. This society works to introduce Value Education amongst the youth in a scientific manner through its follow up six session course which is called as Discover Yourself. The fest began with pantomime show wherein the actors conveyed their message to the audience just through the mode of their expressions and body language, having the theme "ME and MY MIND". The play entertained the audience on how the mind can be one's best friend and one's best enemy as well. It was followed by a performance by Gauranga Band. The band is known for propagating the kirtan of Hare Krishna Mahamantra in western musical style. The music immersed the audience in transcendence filled with the emotion of lasting peace and with a feeling of being calm and relaxed. Last but not the least, the main attraction of the event was a talk by Dr. Vivek Bindra. He is a thought leader, a motivational speaker, leadership trainer and a business coach. He specializes in spiriting and empowering people to realize their true potential. As a keynote speaker, millions of people have benefitted from his energetic workshops worldwide. He is a trusted advisor for over 1500+ corporates and a pathfinder to various entrepreneurs and other top notch business entities. He has also been an Inspirational Pathfinder to various high-profile entrepreneurs and other top notch business entities providing Leadership excellence for taking their organizations to the next level. He has been instrumental in providing CEO coaching to over Top 100 CEOs in the country. He has been conferred with the Best Leadership Trainer in Asia Award by Marshall Goldsmith at World HRD Congress. Golden Book of World Records encrypted Dr. Bindra's name, for training the largest gathering of HR professionals under one roof. Dr. Bindra through his prolific writings is helping people to "Bounce Back" in life



and to be more successful. He is an author of many high power motivational books. He set a world record of being the World's No. 1 Leadership & Entrepreneurial Channel on YouTube with a subscriber base of more than 9 lakhs and a viewership of 43 million. His videos are immensely popular in over 190 countries. He credits his success to Bhagavad Gita and he acknowledges that the original motivational speaker is Lord Krishna Himself who motivated Arjun in the battlefield of Kurukshetra. He requested the students to definitely attend the upcoming Discover Yourself course by WAVE society.

The main anchor for the event was Mr. Vinay Batra. He has hosted more than 2000 live shows on TV and more than 3000 on-ground events. One of his events has been recorded in LIMCA BOOK of World Records as well. From corporate events to talk shows with Arvind Kejriwal, Kiran Bedi, Bipasha Basu and many more, his forte lies in being a dynamic anchor.

The entire coordination for the WAVE fest was looked after by Mr. Amit Gautam and Mr. Shanky Sharma from MAE Department and by Mr. Rohit Uday Lakhane from ECE Department. We would also like to acknowledge the efforts of Mr. Lakshay Parashar for his leadership role amongst the WAVE fest volunteers to make this event a huge success.





## MAIT REWARDED BY AICTE AND INTERSHALA ON INTERSHIP DAY

AICTE and Internshala has rewarded Maharaja Agrasen Institute Of Technology ranked #2 out of the 1574 colleges who participated in Internship Day.

Institute has been given following rewards -

1. Best Internship Record (PAN India) - 2nd Position
2. Best Internship Record (North Zone) - 1st Position

Total 155 students of MAIT did an internship in the field of their choice through Internshala.



## PARIKSHA PE CHARCHA WITH PM MODI

(16th February, 2018 at President's Estate Talkatora Indoor Stadium, Delhi.)



It was indeed motivational experience for the students from MAIT, who met with Prime Minister of India, Mr. Narendra Modi, a man we have looked up to, It was a successful event in which Mr. Modi interacted with students on how to deal with the exam pressure and stress. The way Mr. Modi handled all the questions was unbelievable. He was so humble to everyone present at the stadium. The moment he entered the stadium, all stood up from their seats and clapped as hard as they could. The feeling was just overwhelming. We had Goose bumps all over our body, and nobody can take that moment of joy away from us.

India is shining and is at accelerating the pace of growth just because of PM Narendra Modi. Narendra Modi is one of the finest administrators; India will see more growth in the Modi's regime.

This visit was coordinated by Dr. M.L. Sharma, HOD, IT Department and Dr. Namita Gupta, HOD, CSE Department.

Around 50 students from different Departments of MAIT participated with great zeal in this memorable visit. All the students are really thankful to Prof. (Dr.) M.L. Goyal, Director General, MAIT and the Management for scheduling of this unforgettable visit.

## INTER-COLLEGE B.TECH MAJOR PROJECT 2017-18

The inter-college B.Tech Major Project was organized by Guru Gobind Singh Indraprastha University at HMR Institute of Technology and Management on 17th May, 2018. Various project were presented by students, among which MAE, MAIT secured **third** position. The project team had four students, **Jatin Chaudhary, Yash Kumar, Nikunj Sharma, Yogesh Kumar**, who worked under the guidance of **Mr. Naveen Solanki** on **Atomizer faucet integrated with dual flow mode**. In this project, the Atomizer/ Faucet was 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.

## MAIT-SAE COLLEGIATE CLUB

**Team Jatayu MAIT participation in Baja SAE Maryland in Maryland, USA from 19th to 22nd April, 2018**

This year Team Jatayu performed very well in International competition, i.e. Baja Maryland organised by Society of Automotive Engineers (SAE), where 100 Colleges teams from all over the world participated. We were able to (i) clear the tech inspection (TI) and braking event on first day itself, and (ii) take part in all the dynamic events i.e. Hill Climb, Acceleration, Manoeuvrability and suspension traction.

**On the Endurance day, we started at 8th position.** Though we faced various hiccups during the race causing us to lose half the time, still we were able to complete 20 laps during the race on a track comprising of steep hills, sharp turns, and bumps made up of mud and wooden logs almost a feet high each.

**Our team was appreciated by the Judges and spokesperson regarding our innovative data acquisition system (DAQ),** i.e. regarding our use of flow sensors, Hall Effect sensors, and ultra-sonic, which provided live updates directly to driver using a LCD module and to the Crew using a Wi-Fi module and GPS module.

We were also **appreciated during Suspension-Traction and Manoeuvrability events** about our four wheel independent suspension having balanced dynamic profile and shorter wheel base allowing good turning characteristics for the vehicle.

### SOME MOMENTS CAPTURED



Team Jatayu at IGI Airport, Delhi

We bagged some positions in various events as given in the following Table:

S. No	Event Name	Position
1	Acceleration	8
2	Hill Climb	10
3	Manoeuvrability	25
4	Suspension and Traction	30
5	Design Presentation	37
6	Sales Presentation	41
7	Cost Event	45
8	Endurance	42
9	Overall	30

### List of Team Members:

1. Rakesh C. Saini (Faculty Advisor)
2. Mirnal Gupta (07914803614)
3. Mayank Pant (05214803614)
4. Vasu Bhardwaj (41114803615)
5. Hiren Sharma (35514803615)
6. Nikhil Gupta (20114803615)
7. Jagasis Singh (02814803615)
8. Vinayak Goel (07714803615)
9. Ojasvi Chauhan (04714803616)
10. Viraat Singh (07914803615)
11. Jatin Prabhakar (02914803615)



UMBC Racing & Team Jatayu



CAMPUS NEWS



After Endurance with Indian Flag



At Engine Check



During endurance lap



After endurance with other Indian teams



Interview with the team



Before the start of endurance



## WORKSHOP AT AICTE DELHI

We have a deep sense of gratitude and appreciation for Prof. (Dr.) M.L. Goyal, Director General, MAIT, and the Management of this institute for facilitating us for this remarkable workshop at AICTE Head Quarter Delhi on 10th April, 2018 on topic, "Social Media-Use and Effect". The students and faculty members of MAIT got the opportunity to know the outstanding views of Dr Satya Pal Singh, Minister of State for Human Resource Development responsible for Higher Education, Sh. Anil Swarup, IAS, Secretary, Department of School Education; Prof Anil Sahasrabudhe, Chairman, AICTE; Sh. Shashi Shekhar, CEO, and Prasar Bharti. Social Media is in contrast to traditional media, which operates under a monologic transmission model (one source to many receivers), such as a newspaper which is delivered to many subscribers, or a radio station, which broadcasts the

same programs to an entire city. Some of the most popular social media websites are Facebook, Google+, Instagram, LinkedIn, Snapchat, Tumblr, Twitter, WhatsApp and Wikia. These social media websites have more than 100,000,000 registered users. Social media can be an effective communication tool for corporations, entrepreneurs, nonprofit organizations, advocacy groups, political parties, and governments. At the same time, concerns have been raised about possible links between heavy social media use, and depression, and even the issues of online harassment and "trolling". This workshop was coordinated by Dr. M.L. Sharma, HOD, IT Department and Dr. Namita Gupta, HOD, CSE Department.



## 90 DAYS TRAINING AT OFFICER TRAINING ACADEMY, GWALIOR


Vandana Choudhary, Assistant Professor, Department of Information Technology, had the privilege to undergo 90 days training to become a lady Associate NCC Officer at the Officer Training Academy, Gwalior from 15th Jan 2018 to 14th April 2018.

The Officer Training Academy is a premier Women Officer's Training Institution, and offers courses for female ANO's, GCI's and WTLO's. The training was conducted for 109 trainees (Senior Wing /Junior Wing), selected from all over India.

She is fortunate enough to get a glimpse of army life during this training, and she could also learn many new things, like Map Reading, Firing, Drill and Yoga, together with First Aid, and the concepts of Personality Development and Disaster Management. In addition, she had an insight into specialized subjects such as the Armed Forces, Military History, Weapons Training, Infantry, Field Craft and Battle Craft.

At the end of the training, a series of tests were conducted, and she was pleased to be awarded a Gold Medal for securing First place in the order of Merit among the Senior Wing trainees.





National Cadet Corps

### OUR AIM

DEVELOP CHARACTER, COMRADESHIP, DISCIPLINE,  
LEADERSHIP, SECULAR OUTLOOK, SPIRIT OF ADVENTURE, AND  
IDEALS OF SELFLESS SERVICE AMONGST THE YOUTH OF THE  
COUNTRY.



## 5 DAYS FDP IN MAIT BY CSE AND IT DEPARTMENTS

CSE and IT Departments jointly conducted 5 Days FDP in MAIT on “Next Gen. Technologies” from July 16-20, 2018. Prof. (Dr.) M.L. Goyal, Director General, MAIT addressed the gathering with his highly knowledgeable ideas, which he earned from corporate world during his stay in more than three decades, and explained the utility of such FDP.



hands-on workshop with great enthusiasm. Around 50 faculty members from both the Departments of MAIT, were benefitted by the conduction of this hands-on workshop.

This FDP was coordinated by Dr. M.L. Sharma, HOD, IT Department, Dr. Namita Gupta,

HOD, CSE Department, Ms. Seema Kalonia, Assistant Professor, Ms. Vandana Choudhary, Assistant Professor, and Mr. Varun Goel, Assistant Professor, I.T. Department and Supporting staff members Mr. Sumit Gupta, Mr. Anish Gupta and their teammates from CSE Department and Mr. Surender Bhardwaj and Mr. Gaurav Goel and their teammates from IT Department.

First Day of this FDP was covered by Dr. Vikram Goyal, Associate Professor, Department of Computer Science & Engineering, I.I.T., Delhi. He covered a very hot topic, “Big Data and Machine Learning” in detail. Several faculty members asked their queries and got their solutions with excellent examples.

Second day onwards, Mr. Vinay Kumar Saini, Assistant Professor, Department of Information Technology and Mr. Nitesh Kumar Wadhwa, Assistant Professor, Department of Information Technology conducted the hands-on workshop on different Modules of Java Programming for all faculty members of CSE and IT Departments. Earlier, both these faculty members already attended 15 days programme at Wipro Private Limited, Bangalore in April, 2018. Every faculty member of each department took interest in this

Around 50 faculty members from CSE and IT Departments of MAIT participated in this workshop with great enthusiasm and were also awarded with Participation Certificates by Prof.(Dr.) M.L. Goyal, Director General, MAIT. All the participants and faculty members are really thankful to Director General and Management for conduction of this workshop.

## SPECIAL RECOGNITION OF MAIT FACULTY BY E-YANTRA TEAM

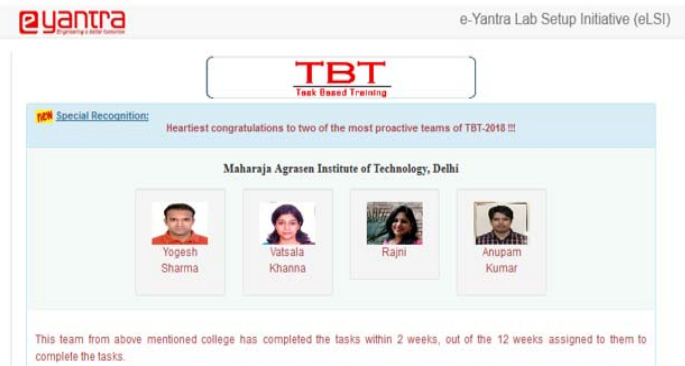
The team of faculties from Maharaja Agrasen Institute of Technology, **Mr. Yogesh Sharma** (Assistant Professor, CSE), **Mr. Anupam Kumar** (Assistant Professor, CSE), **Ms. Vatsala Khanna Arya** (Assistant Professor, ECE) and **Ms. Rajni** (Assistant Professor, ECE) attended a two day workshop at IIT-Mumbai from 20th -21st July 2018, conducted by e-Yantra under the e-Yantra Lab Setup Initiative (eLSI) program.

The eLSI Program was two phased program having (i) A two-day workshop and (ii) A task based training. Two day workshop was on robotics and embedded systems and included hands-on training on embedded systems and microcontroller and programming of AVR microcontroller. Each module comprised of an interactive session followed by the team applying the concept to program the Firebird V Robot.

During the second phase of task based training, team has to complete the given tasks in twelve weeks but MAIT team completed all the tasks successfully in record time of 2 weeks.

Team has received special recognition from TBT Team.

Link: <http://tbt.e-yantra.org/ActiveTeamsOfTBT>



## HANDS-ON WORKSHOP ON 'ANDROID' IN I.T. DEPARTMENT



Department of Information Technology successfully organized a one day workshop on 'ANDROID' on Saturday, 10th March, 2018. Students and Faculty Members of Department of IT attended the workshop. Prof. (Dr.) M. L. Goyal, Director General, MAIT, delivered a highly motivational speech and explained the utility of such Hands-on workshop. Prof. Goyal also shared his highly rich ideas with the audience.

The session was delivered by Mr. Rahul Pathak and his team members. Mr. Rahul Pathak is an Android open source developer and a renowned corporate trainer. The participants learnt to develop application development in Android with practical implementation. The participants were highly encouraged and motivated towards this latest technology. It

was an enlightening and interactive workshop for all the participants.

This workshop was coordinated by Dr. M.L. Sharma, HOD, IT Department, Dr Amita Goel, Associate Professor, Ms. Shreya Kapoor, Assistant Professor, and Ms. Arushi Jain, Assistant Professor, I.T. Department.

Over 30 students and all faculty members from IT Department, MAIT participated in this hands-on workshop with great enthusiasm and were also awarded with Participation Certificates. All the participants and faculty members are really thankful to Prof. (Dr.) M.L. Goyal, Director General, MAIT and Management for conduction of this workshop. ○





### Milestones of Success at MAIMS

- MAIMS increased its intake of BJMC students in the academic session 2018.
- Our students of dramatics club proved their worth by bagging various prestigious positions/awards, to cite a few, Best Direction award in the event 'Uddan' organized by BJP; 1st prize in G.D. Goenka University, Gurugram; 2nd position in drama competition organized by Pearl Academy and 3rd position at IILM Graduate School of Management.
- Ms Palak Kamra of BBA (6th semester) secured 1st position in the end term May-June 2018 examination of GGSIP University.
- Mr Deepanshu Singhal of BBA (6th semester) secured 2nd position in the end term May-June 2018 examination of GGSIP University.
- Deepak Anchali of BBA (4th semester) was selected as India's AIESEC representative for Poland.
- Kanika Thapiyal was acknowledged for her exemplary work as photo journalist in 'The Hindu'.

### Genesis 2018



Genesis 2018, the Annual Cultural Fest of Maharaja Agrasen Institute of Management Studies (MAIMS), Rohini, was celebrated on 13th and 14th March, 2018 in the college campus. This year the event was graced by the presence of Dr Nand Kishore Garg Ji (Founder Chairman & Advisor, MATES); Shri Prem Sagar Goel Ji (Chairman MATES) and Prof M.K. Bhat (Director, MAIMS). Over the last 11 years, Genesis has graduated to the level of being the cultural fest for the students of Delhi. This year, Genesis surpassed its previous records by taking the number of entries in various events up to 380. We had maximum participants from various prestigious colleges like Sri Ram College of Commerce, Deen Dayal Upadhyaya College, Gargi College, Miranda House,

Kirori Mal College, Jesus and Mary College, Maitreyi College, Institute of Home Economics, Janki Devi Memorial College, etc. Besides Delhi University, students from Guru Gobind Singh Indraprastha University and Indian Institute of Technology, Delhi, also competed in the various events. The beauty of Genesis is that judges with professional calibre from outside are invited to give their impartial decisions. MAIMS students perform but do not compete with external participants to maintain unbiased character of the events. Genesis 2018 marked a special day for MAIMS as talent galored in a plethora of performances, ranging from singing, chef-o-mania, solo/group dance performances, slam poetry, business quiz, comedy hunt, to Genesis 2018 fashion show, etc. The events proved that the artistic calibre of students' is depicted by the status of their concerned institutions, mention can be made of Institute of Home Economics came 1st in Fashion; Sri Ram College of Commerce, secured 2nd position in Tamasha, the Street play; while there was a tie in the 1st position in Groove, the group dance, between Guru Gobind Singh College of Commerce and Gargi College. Genesis 2018 was sponsored by Pepsi, Mobiliti World, Tops, Kwality Milk Products, CTF, Ram Sons Digital, Mauve Story, Indica, Pearl Academy, Times Education partner, Insight Tone-our youth partner, Pure Fruits, our beverage partner and Zebronic-our music partner. The event was not only a mega success but also enriched students of Delhi with enormous issues confronting the country at present.

### Farewell 2018

The juniors bid a fond adieu to their seniors' batches of BBA, B.Com and BJMC 2018. The first and second year juniors meticulously planned a mega farewell program which



was extremely appreciated and thoroughly enjoyed by their seniors. Dr Nand Kishore Garg, Founder and Advisor, Maharaja Agrasen Technical Education Society and Prof M. K. Bhat, Director MAIMS, blessed the outgoing batch. They guided the students to become good human beings first and then to work for achieving excellence in the corporate world.

All the senior students were presented mementoes as a token of love by the junior students. Urban Hopper's dance performance, melodious medley, a comic act, etc. filled the audience with great enthusiasm. The highlight of the farewell was the Mr. and Ms. MAIMS event. Mr. Samyak Jain (BBA) and Ms. Bhawna Lalwani (BJMC) were judged as Mr and Ms. MAIMS, respectively, this year. Many other titles like Ms. Limelight of the Event, Mr. Macho Man, Ms Beauty with Brains, etc. were also awarded to some of the seniors. The engaging compeering and the entertaining cultural programme kept the audience enthralled throughout the event.

### Faculty Development Program



Maharaja Agrasen Institute of Management Studies organized One week Faculty Development Program on Data Analysis using SEM & Panel data from 11th-17th June, 2018. The FDP was inaugurated by Dr. Nand Kishore Garg, Founder Chairman, MATES along with Prof. M.K. Bhat, Director, MAIMS and Prof. Sangeeta Malik, Dean, MAIMS. First session was taken by Dr. Sachin Gupta on the basics of research followed by hypothesis testing and regression analysis. He also explained and helped participants in understanding the applicability of various techniques. The sessions from 12th-14th June, 2018 were delivered by Dr. Neeraj Kaushik who focused on scale building, Exploratory factor analysis, Confirmatory factor analysis along with structured equation modelling. These enormous learning sessions ended with understanding of Moderation & Mediation effect. The last two days 15th-16th June, 2018 were taken by Dr. Ajay Chauhan. He focused on more advances data analysis technique i.e. panel data. The eminent resource person made participants familiar with the basic meaning of panel data, its applicability and how to organize the data for applying panel techniques. Many models were discussed i.e. within & between effect, random & fixed effect model as well as dynamic models. The FDP saw the participation from various universities and colleges across India to name a few IIM Lucknow, IIT, Jamia, IGNOU, Delhi University, Amity University, Banaras Hindu University and others. The participants appreciated the learning of the workshop and showed their interest in future workshops. The FDP concluded with certificate distribution to all the participants. ○

### BJMC Guest Lecture by Mr. Prateek Trivedi (Anchor, Reporter)

'Bhaiya Ji Kahin' (News 18 TV Channel) program fame Anchor, Reporter Prateek Trivedi interacted with students of Journalism and Mass Communication, MAIMS on 24th August 2018. In his popular style he shared his experiences with students and gave them tips of Journalism and Communication. Prof. M.K. Bhat, Director MAIMS presented bouquet to the guest to welcome him. Prof. Vinita Gupta, HOD, Department of Journalism and Mass Communication presented Memento as a token. Students asked a series of questions. Prateek Trivedi answered all the questions in his own way.





## CHHAYANKAN 2018

In continuation of our efforts to attain professional excellence in the domain of journalism, an inter-college/university competition- Chhanyankan -2018 was organized by MAIMS on February,15 2018. The initiative was taken by the students of photographic club –WAC (what a click). The event got wide publicity through our sponsors, Radio Mirchi,IMS,Future Galaxy,HP printer and paisa wapas.The response was very encouraging and over 200 participants from various colleges and universities participated in the competition. There were four segments of the competition, followed by a workshop by the famous photographer of the country Mr.Naveen Vats and Mr. Jassi Oberai.

Inaugurating the event, the Vice chairman, MATES Shri Jagdish Mittal appreciated the efforts of the students and expressed the hope, that, such like activities will open new vistas for the budding journalists. Admiring the standard of display in the exhibition, he congratulated the participants for their excellent photographic skills. The co-operation extended by the guest photographers made the program very entertaining as well as educative.The program concluded with the prize distribution to the winner of all the competitions. Dr. M. K. Bhatt Director, MAIMS congratulated the winners for their participation and excellence in their chosen field. Dr. Umesh C.Pathak and Dr.Manju Gupta, proposing vote of thanks in valedictory session, emphasised the need to strive hard in the years to come to make this event of success at the national level as well. As the encouragement is always forthcoming from the Chairman MATES. The WAC has to strive hard to attain greater heights.



## MAIT'S STUDENTS ATTENDED A WORKSHOP AT AICTE DELHI

Students from Dept. of IT and Dept. of CSE attended a workshop at AICTE Head Quarter Delhi on 10th April, 2018 on topic, “Social Media-Use and Effect”. They got the opportunity to know the outstanding views of Dr Satya Pal Singh, Minister of State for Human Resource Development responsible for Higher Education; Sh. Anil Swarup, IAS, Secretary, Department of School Education; Prof Anil Sahasrabudhe, Chairman, AICTE; Sh. Shashi Shekhar, CEO, Prasar Bharti etc.Social Media is in contrast to traditional media which operates under a monologic transmission model (one source to many receivers), such as a newspaper which is delivered to many subscribers, or a radio station which broadcasts the same programs to an entire city. Some of the

most popular social media websites are Facebook, Google+, Instagram, LinkedIn, Snapchat, Tumblr, Twitter, WhatsApp, Wikia etc. These social media websites have more than 100,000,000 registered users.Social media can be an effective communication tool for corporations, entrepreneurs, nonprofit organizations, advocacy groups, political parties, and governments. At the same time, concerns have been raised about possible links between heavy social media use and depression, and even the issues of online harassment and “trolling”. This workshop was coordinated by Dr. M.L. Sharma, HOD, IT Department and Dr. Namita Gupta, HOD, CSE Department.

○

## FDP AT APPLIED SCIENCES DEPARTMENT

A 5 days FDP was organized by the department of Applied Science from 23 - 27 July 2018 within the Institute. The primary thrust of the program was to equip participants with contemporary research and teaching skills. Pertinent topics of multi-disciplinary interest were discussed by eminent educationist to augment the fascination of the participants in recent trends in science. Under the able guidance of Prof. M.L. Goyal, Director General, MAIT FDP was successful in achieving its objectives as participants enriched themselves and upgraded their skills through a series of interactive session.



Dr. Kusum Sharma Highlighted the objective of organizing FDP in her welcome speech. On the first day Prof. Anubha Kaushik, Department of Chemistry, GGSIPU, highlighted the sustainable practices to prevent environmental degradation. In the second session of the day Dr. S C Arora presented his thoughts on 'Mathematical logic and fuzzy logic'.

On day-2, Dr. Prof. Ashutosh Mohan, Dean, University School of Humanities & Social Sciences, GGSIPU presented his lecture on "Towards metaphorical Topology". Prof. Amita Bhela, Retd. Prof. from DCAC, DU Spoke at length on Intrapersonal and Interpersonal Skills. Day-3&5 boosted the power of IT of participants as Mr. Anupam Kumar and Mr. Yogesh Sharma, Asst Professors, Department of Computer Science, MAIT, talked about the application of google sheets and Excel. On day 3, Dr. Ranu Gadi highlighted the view points on "Organic Compound in ambient atmosphere: Sources and health Effect". On day 4 Prof. Ram Kishore, Dept. of Applied Physics, MAIT shared his knowledge about Silicon. Dr. Gautam Vemuri, presented his talk on Laser and its Application. Smooth Co-ordination and arrangement of the FDP was materialized by the efforts of Prof. Kusum Sharma., HOD, Applied Science Department.

In the end; the certificates of participation were distributed by Director Gen., MAIT, Prof. M.L. Goyal as a mark of encouragement to the members of the faculty.

## BJMC MEET 2018

Radio, TV News Reader, Anchor \*Gouran Dhavan Lal\* addressed Journalism and Mass Communication Students on 5th September 2018.

It was a wonderful gift on Teachers Day for the students of Journalism and Mass Communication, MAIMS to find themselves interacting with Ms. Gouran Dhavan Lal, whom they listen in News Bulletins of All India Radio, doing live commentary of Memorable events, watch on television. She shared her valuable



experiences and said

that cut, copy, paste doesn't work in real life but one's uniqueness and creativity does. Communication is not just a subject but a life skill. One should focus on body language as it reveals all about one's personality.





## INDUSTRIAL VISIT TO (MAHANAGAR TELEPHONE NIGAM LTD.), ROHINI SECTOR-3 ROHINI, NEW DELHI ON 8TH MARCH 2018

Department of Information Technology, organized the visit under the guidance of our most worthy Director General **Prof. (Dr.) M.L. Goyal**, and under the able supervision of HOD (IT), **Dr. M.L. Sharma**.

MTNL was setup on 1st April, 1986 by the Government of India to upgrade the quality of telecom services, expand the telecom network, introduce new services and raise revenue for telecom. development of India's key metro cities of Delhi & Mumbai. It offers mobile services in the city of Delhi including four peripheral towns Noida, Gurgaon, Faridabad & Gaziabad, and the Mumbai city along with the areas falling under the Mumbai Municipal Corporation, New Mumbai Corporation and Thane Municipal Corporation.

To meet the broadcast and other requirement such as carrying of High Definition TV stream, games data, security requirements etc the salient features of Telecom infrastructure were specially created by MTNL for CWG-2010 in less than a year time frame. After completion of the games the network elements are used to strengthen/augment the exiting IP / MPLS backbone networks of MTNL in Delhi & Mumbai enabling MTNL to meet all its current and future requirements as well as to facilitate it to provide wholesale bandwidth connectivity to other telecom operators, Banks, Corporate Houses and various other Govt Agencies on lease or rental basis support.

MTNL is providing telecommunications beyond boundaries through its Joint Ventures and Subsidiaries. MTNL

is present in Nepal through its Joint Venture United Telecom Limited (UTL) and in Mauritius through its 100% subsidiary Mahanagar Telephone Mauritius Limited (MTML).



A group of 18 students of 4th semester B.Tech (I.T.) from I123 & I456 participated in this industrial visit. The purpose of this visit was to acquaint students with Enterprise services, IPv6 services and Industrial Training. Officials and Technical Experts at the Training Center addressed the students and briefed about the initiatives taken up by MTNL for targeting unemployment issue.

**Er. Bhaskar Kapoor** was the main coordinator of industrial visit. The trip was indeed very informative and enlightening for the students. The students of B.TECH (IT) 4th Semester are indeed grateful to **Prof. (Dr.) M L Goyal**, Director General and management for facilitating this technical trip to MTNL, Rohini New Delhi. ○

## FDP ON DATA ANALYSIS-MAIMS

Maharaja Agrasen Institute of Management Studies organized One week Faculty Development Program on Data Analysis using SEM & Panel data from 11th – 17th June, 2018. The FDP was inaugurated by Dr. Nand Kishore Garg, Founder Chairman, MATES along with Prof. M.K. Bhat, Director, MAIMS and Prof. Sangeeta Malik, Dean, MAIMS. First session was taken by Dr. Sachin Gupta on the basics of research followed by hypothesis testing and regression analysis. He also explained and helped participants in understanding the applicability of various techniques. The sessions from 12th – 14th June, 2018 were delivered by Dr. Neeraj Kaushik. He focused on scale building, exploratory factor analysis, Confirmatory factor analysis along with structured equation modelling. These enormous learning sessions ended with understanding of Moderation & Mediation effect. The last two

days 15th – 16th June, 2018 were taken by Dr. Ajay Chauhan. He focused on more advances data analysis technique i.e. panel data. The eminent resource person tried to make participants familiar with the basic meaning of panel data, its applicability and how the data has to be organized for application of panel techniques. Many models have been discussed i.e. within & between effect, random & fixed effect model as well as dynamic models. This FDP saw the participation from various universities & colleges across India to name a few IIM Lucknow, IIT, Jamia, IGNOU, Delhi university, Amity university, Banaras Hindu university and others. All the participants appreciated the efforts of the organizers as well as shown their interest in the more future workshops. The FDP is concluded with certificate distribution to the participants.

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION FDP ON MACHINE LEARNING AND LATEST OPTIMIZATION TECHNIQUES



A five day Faculty Development Program on Machine Learning and Latest Optimization Techniques, from 11th June 2018 to 15th June 2018 was organised by the Department of Electronics and Communication Engineering. The idea of the program, so organized, was to enrich the faculty members with the developing technological scenarios in the fields of Machine Learning and Optimization Techniques. The experts from various platforms and with a substantial experience in their area of expertise enlightened the participants with their knowledge and experience.

### Day 1 of FDP (*Evolutionary Algorithms and Swarm Algorithms*)

Dr. T V Vijay Kumar delivered a talk on Evolutionary Algorithms and Swarm Algorithms. He described about various kinds of algorithms like ant colony, honey bee, annealing, cuckoo search etc. He talked about the situations in which the nature inspired algorithms should be put to use. Concepts of natural selection, tournament selection, exploration and exploitation were also widely discussed. He

talked about the genetic algorithms and multi-objective optimization as well.

Dr. T V Vijay Kumar is a Professor in the School of Computer and Systems Sciences, Jawaharlal Nehru University, New Delhi.

### Day 2 of FDP (*Fuzzy Logic: Theory and Practical Implementation*)

Dr. Arun Sharma delivered a talk on Fuzzy Logic. He described about soft computing and how it is different from the hard computing. He discussed about different components of soft computing in general and fuzzy logic in specific. He talked about the membership functions and implementation of Fuzzy Logic. He stressed about by the different variations of Fuzzy Logic like Neuro-Fuzzy etc. being used now a days. He gave the practical demonstration on commonly used application software as well.

Dr. Arun Sharma works as Associate Professor and Head of the Department - IT at Indira Gandhi Delhi Technical University for Women (IGDTUW), Delhi.



## CAMPUS NEWS

### Day 3 of FDP (*Neural Networks and Deep Learning*)

Dr. R. K. Aggarwal gave a lecture on Neural Networks and Deep Learning. He differentiated between supervised and unsupervised learning by giving pertinent examples. He drew parallels between human intelligence and machine intelligence and how the machines could be made to learn just like humans but in a much lesser time. He talked about nearest neighbor algorithm, decision boundary approach, error equation and gradient descent method for minimizing the error. He discussed in detail about the Single Layer Perceptron and Multi Layer Perceptron. With the help of examples he made the audience understand about the concepts of Confusion Matrix and Accuracy in the context of Neural Networks. He differentiated between deep learning and machine learning. Gradient diminishing effect and Auto encoder scheme were also discussed by him. Over all was very informative and useful talk for the people aspiring to work in these highly coveted areas.

Dr. R. K. Aggarwal is Dean & Professor, School of Engineering and Professor, School of Computer & Systems Sciences, Jawahar Lal Nehru University, Delhi.

### Day 4 of FDP (*Identification of Human Activity using Machine Learned Models*)

Dr. Dinesh K. Vishwakarma delivered his talk on the human activity identification by incorporating machine learning models. He described about the benefits of human activity identification which can promptly bring to notice any kind of aberration from the normal routine. This could be used in the surveillance and security, elderly people healthcare, Intrusion detection system and automated movie analysis etc. He also described about the various challenges coming in the way of automated human activity identification. He explained with example how the machine learning models could be used in the computer vision applications.

Dr. Dinesh K. Vishwakarma is an Associate Professor in Delhi Technological University, Delhi.

### Day 5 of FDP (*Use of LabView software in Communication Engineering and Signal Processing*)

Mr. Kuldeep Sharma delivered a presentation on the usage of LabView in various electronics engineering disciplines especially in Communication Engineering, Signal & Systems and Digital Signal Processing. He compared LabView with MATLAB and Scilab and discussed about the pros and cons of working with these softwares. He demonstrated the usefulness of LabView by performing the lab curriculum experiments.

Mr. Kuldeep Sharma is Application Engineer with Trident Techlabs, Delhi.

## ONE DAY SEMINAR ON WASTE MANAGEMENT



In this era of growing concern for environment and nature-protection, one-day seminar was organized on “Waste Management”, which paved a positive way to the faculty members of EEE and MAE to undertake more and more research work in this area, devising way and means to contribute for the betterment of society in particular, and counting, as a whole. The seminar was organized by National Power Training Institute on July the 26th, 2018 at their Faridabad campus where all faculty members of both these Departments, along with their Heads of Departments were present, NPTI Faculty Sh. Mahender Singh gave a memorable lecture on “How to manage growing amount of waste in today world?”, citing examples of models, where energy is being generated from the waste. Director Mam (NPTI) ended the session with vote of thanks, promising to always cooperate in future for more such programmes in MAIT campus, for the benefit of the faculty and students.

## FDP ON “DEEP LEARNING” AND “DEVOPS”



Two Day FDP Accenture Learning Symposium on "Deep learning" and "DevOps" conducted on 19th Feb - 20th Feb 2018 at Amity University, Noida. The FDP was attended by Faculties from Various Colleges. The Faculty Members who attended the FDP are Dr. Pooja Gupta, Mr. Ashish Sharma and Mr. Moolchand Sharma.

## FACULTY DEVELOPMENT PROGRAMME



One week Faculty Development Programme, on the topic "Green Energy , Clean Energy "jointly organized by EEE and MAE Departments, was held from 23/07/2018 to 28/07/2018 , in the MAIT campus .This Programme was well-organized and nicely coordinated , and thus all the faculty members of both the Departments could get benefitted from it.

The FDP was started at 10 AM on 23rd July. After a brief introduction of the programme, two impressive lectures were delivered by experts in the field, namely, Dr. P.C. Pant of MNRE and Dr. L.M. Das of IIT, Delhi. The next day was marked by Dr. Suni Dhingra's (TERI) presentation followed by a

mesmerizing lecture by DTU faculty , Dr. Naveen Kumar. On 25th July , Dr. D.K. Jain from DCRUST, Murthal, delivered lectures on various aspects of renewable energy. On the subsequent day, an eventful visit was arranged to NPTI, Faridabad, where Sh. Mahender Singh addressed the faculty, which was followed by exposure to Simulator. Another lecture by Dr. L.P. Singh was delivered on 27th July, which was followed by an excellent presentation on the next day by Prof. Zafri of JMI. The programme was concluded in best possible way by Dr. Rajveer Mittal, HOD,EEE .The faculty of both Departments are grateful to the management of MAIT ,Founder and Chief Advisor Dr. Nand Kishore Garg , Chairman Shri Prem Sagar Goel , Director General Dr. M.L. Goyal , and Director Mrs. Neelam Sharma for their continuous guidance and support in organizing Faculty Development Programme. ○

## STUDENT'S TECHNICAL ACHIEVEMENTS-DEPT. OF CSE

1. B.Tech Students of MAIT won first prize at Smart India Hackathon (SIH18) under Ministry of Information and Broadcasting for the problem - Social Media Sentiment Analysis at the 36 hours grand finale held on 30-31 March 2018 at JCERC University, Jaipur nodal centre.
2. B.Tech Computer Science Second year Students of MAIT won Innovation award at Smart India Hackathon (SIH18) under Ministry of Water Resources, River Development and Ganga Rejuvenation for the problem - APPLICATION FOR REPORTING ENCROACHMENT, POLLUTION OR REQUIREMENT OF RRR FOR WATER BODIES at the 36 hours grand finale held on 30-31 March 2018 at PSIT, Kanpur.
3. B.Tech Computer Science Second year students - Vipin Bhardwaj, Siddharth Aggarwal, Chakshu Jain, and Neeraj Joshi participated in the e-Yantra (eYRC-2017) Robotics Competition held on 22-24 March 2018 at IIT Bombay. The team has been selected as one of 5 finalists out of 63 teams in the Planter Bot theme and has been placed at First position in the theme. Students were awarded with certificates and a cash prize of Rs. 20,000. Students designed an optimized algorithm for line following on the arena and also for overlaying of images. ○



## SIR M. VISHVESHWARIYA : INDIA'S ENGINEER & STATESMAN



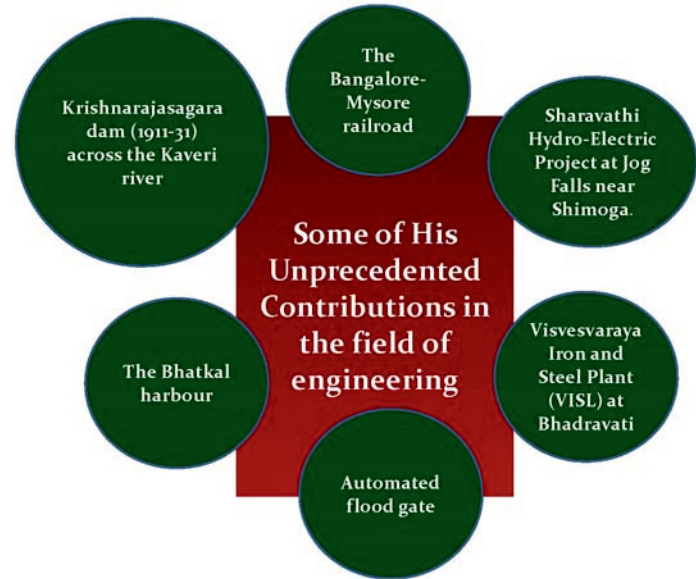
Born in a poor family in Muddenahalli of Karnataka (erstwhile Mysore State) on 15-Sep-1860, Sir MV went to Bangalore for higher education. After graduation, he went on to become one of the greatest engineers & statesman India had ever produced. His contribution was not just in engineering

infrastructure projects (like dams & bridges) but he has also been instrumental in setting up of several industries & sectors including iron & steel, soaps, silk, sugar, banking & aeronautics.

We would like to emphasize a few of his personal qualities & habits which we can try to imbibe into our own lives and inspire future generations.

**Honesty & Work Ethics:** While being in Govt service, Sir MV was entitled to an office car but he refused it without second thoughts. While all of his colleagues accepted such office cars and used them for personal use as well, Sir MV saved money for several years and finally bought a car for his personal use.

**Discipline:** Sir MV used to wake up at 4:30am every morning and would report to office by 7am with clean and tidy clothes which he used to himself wash and iron. From 7am, he used to work till 8pm. Whenever he was supposed to deliver a speech, he would rehearse it for hours with discipline. His punctuality was so sharp that there are even



folklores about it, one being that people of Mysore used to set their watches after seeing him on his way to office.

**Free from ego:** During his old age, Sir MV visited USA with his Indian group to learn about a steel factory & metallurgical procedures. A friendly American officer guided them throughout the factory and after demonstrating all the usual mid-sized equipments, the officer finally demonstrated a gigantic machine and told them that in order to understand how it works, one has to climb the 75 foot ladder. While his group members who were mostly youngsters hesitated to step forward (thinking they are highly qualified to climb on ladders), Sir MV immediately removed his coat & shoes and started climbing the ladder.

**Dedication & excellence:** He did his work with passion & dedication and always gave his best. One of his popular quote being: "Remember, your work may be only to sweep a railway crossing, but it is your duty to keep it so clean that no other crossing in the world is as clean as yours."

- Hard work performed in a disciplined manner will in most cases keep the worker fit and also prolong his life.
- The way to build a nation is to build a good citizen. The majority of the citizens should be efficient, of good character and possess a reasonable high sense of duty.
- To give real service, you must add something which cannot be bought or measured with money.
- Work performed with higher knowledge or skill, capacity or ambition, usually brings a correspondingly higher reward.
- Every man who has become great owes his achievement to incessant toil.

-Mokshagundam Visvesvaraya







# Annual Day 2018



AGRANI SAMKALP  
अग्रणी संकल्प

September 18  
23  
सितम्बर 18

*“There will be obstacles. There will be doubters. There will be mistakes. But with hard work, there are no limits.” —Michael Phelps*



## Glimpses of Vikram Samvat 2074



## Glimpses of International Yoga Day





## 3RD POSITION OF I.T. DEPARTMENT'S PROJECT IN GGSIPU MAJOR PROJECT COMPETITION 2018

Vicinity Monitor

-Piyush Sharma, B.Tech.(I.T.) Final

-Kanik Juneja, B.Tech.(I.T.) Final

We feel a deep sense of gratitude and indebtedness to Prof.(Dr.) M. L. Goyal, Director General, MAIT and Dr. M. L. Sharma, HOD, IT for facilitating to do the project at this level. We would also like to thank our project supervisor Mr. Vinay Kumar Saini, Assistant Professor, Department of Information Technology, for his valuable support and guidance without which we would not have been able to complete our Major Project. Lastly, we would also like to thank our college, and all the faculty members of 'Maharaja Agrasen Institute of Technology', for making available all the facilities and enabling us to complete this project. Last but not the least; we would like to express our gratitude to our family for their constant support and affection. On May 17, 2018; Judges declared our project on 3rd position in GGSIPU Major Project Competition 2018, in which many colleges participated.

Internet of things (IOT) is the technology that has been getting very popular lately, so much so, that it is powering a big translation in the business models and allowing them to drive their way towards Automation. Putting it straight, Internet of things basically is a network of devices like our vehicles and electrical appliances and software and network connectivity that enable these devices to share data about their status. Being able to remotely get information about something or the status of something opens the gate for a large number of applications. Motivated by the goal of achieving clean air in our surroundings, this discusses about the IOT technologies available that enables us to remotely monitor the air quality of a distant place. Furthermore, this project contributes by introducing Vicinity Monitor, a sensor based air quality, flames and temperature monitoring project that enables its users to get this information on their android device remotely. And finally putting forward the advantages, challenges and future scope of this project.

The main characteristic of vicinity monitor is :being able to display data about composition of air with respect to harmful gases like CO, CO<sub>2</sub>, Benzene, Butane etc. and other information like temperature and flame emission remotely is delivered by the technology of Internet of things. The working model of this project contains a raspberry pi connected to breadboard circuit. On the breadboard are connected the sensors which are DHT22 temperature and humidity sensor, LM393 flame sensor, MQ2 harmful gases sensor. This circuit

along with raspberry pi is provided network connectivity via the home's Wi-Fi. All the readings are stored over the database stored on raspberry pi and are shared via a pipelining along which the data is arranged in the tabular form. All users have to do is to use the android app to register their raspberry on the network and then they can get started. App will display the data in tabular form. Furthermore, it will also push e-mail notification in case if a flame is detected. This project aims at designing the complete software and hardware structure for air quality monitoring, and deals with live streaming of temperature, humidity and other data values over the Internet. The system enables the users to remotely get information regarding air composition, presence of harmful gases and their current concentration in the surrounding and information regarding the safety like presence of flames in the house. All this information is displayed on the android app and e-mail notifications are also pushed on the set e-mail id in the case of any emergency.

Vicinity Monitor is an IoT Open Source / Open Technology initiative which tracks the concentration of elements in the air that surrounds us. Sensors consistently measure the levels of specific elements and send data to the gateway which uploads the data to a web based browser that can be used and analyzed to be shown to the end user.

In conclusion, the Internet of Things is closer to being implemented than what an average person would think. Most of the necessary technological advances needed for it have already been made, and some manufacturers and agencies have already begun implementing a small-scale version of it. The main reasons why it has not truly been implemented is the impact it will have on the legal, ethical, security and social fields. Workers could potentially abuse it, hackers could potentially access it, corporations may not want to share their data, and individual people may not like the complete absence of privacy. For these reasons, the Internet of things may very well be pushed back longer than it truly needs to be.

Our surroundings are full of harmful effluents that may rise to a toxic level under some circumstances and even lead to fatal consequences. There is no active system in our cars and homes to keep a check on these toxic elements. Hundreds of people die every year due to carbon monoxide poisoning alone.

## WORKSHOPS & SEMINARS-Dept. of CSE

1. A five day FDP on "Next Gen Technologies" was organized by the department of CSE & IT from 16th - 20th July 2018 in Computer Center Room No. 114
2. A five day FDP on "IT Technologies for e-Commerce" was organized by the department of CSE in association with Brain Mentors, TCS and ISSAC Lab Solutions from 22nd-24th Feb, 26th-27th Feb 2018 in Computer Center Room No. 114.
3. One day workshop on "Angular JS", in collaboration with "Brain Mentors" was organized for CSE 2nd year students on 15th Feb, 2018. Dr. Namita Gupta, Head of Department, CSE, Mr. Ashish Sharma, Assistant Professor, CSE coordinated the event which was attended by 86 students of the CSE Department. The session was conducted by Mr. Amit Srivastava, Head and founding members of Brain Mentors. Student Coordinators: Sushant Verma, Radhika Bansal, Swati Singh, Sanket Singh, Sarthak Jain, Heena Garg, GyanVardhan, Deepanshi Bansal.
4. Department of Computer Science & Engineering organized 1-Day workshop on "BIG DATA & HADOOP" on 08th Feb 2018 in association with Cetpa for the students of all MAIT Engineering disciplines under Dr. Namita Gupta, Mr. Ashish Sharma & Mr. Moolchand Sharma
5. Online Coding Competition named "Infinite Loop" organized by Code Matrix Society of CSE Department on 20th January, 2018 under Mrs. SudhaNarang as faculty coordinator.
6. TEDX MAIT an independently organized TED event held on March 17, 2018 at Maharaja Agrasen Institute of Technology.

## TECHCOM - TECHNICAL COMPUTER SOCIETY

TechCom is the official technical computer society of CSE, MAIT. TechCom aims to nurture talents and provide training to students who have keen interest in Computer Science & Technology.

Various activities are undertaken to provide students the platform to explore the world of technology, workshops to train students on the recent technologies, Competitions such as quizzes and hackathons are conducted regularly for students to prove their mettle in the field of hardware. With over 100 students as a part of this society, TechCom aspires to create a environment for learners to foster the spirit of learning and innovation. Society encourage new ideas to develop better understanding of the subject, and aim to make fun computers and easy for students. Faculty Coordinators of TechCom are Mrs. Kavita Saxena & Mrs. Deepti Gupta. Student Office Bearers of TechCom 2017 - 18 are given below:

S.No.	Position	Name of the Student	Year/ Semester
1.	President	Heena Garg	7th
2.	Vice President	GyanVardhan	7th
3.	Secretary	Aakash	7th
4.	General Secretary	Abhishek Popli	7th
5.	Coordinator	Sanket Singh, Vasudev	5th

1. Mock Interview was organized by CSE department for the students of MAIT on 23rd March 2018. This event was organized under TECHSURGE, 2018. It was to prepare students for placements & interviews. A fulfilled event saw participation from students of all the four years.
2. Coding Junction was organized by CSE department for the students of MAIT on 22nd March 2018. This event was organized under TECHSURGE, 2018. It was a coding competition. A fulfilled event saw participation from students of all the four years.
3. Workshop on Angular JS was organized by CSE department in association with Brain Mentors by Mr. Amit & Ms. Ekta on 15th Feb 2018.
4. Code-a-thon 2.0 was organized by CSE department for the students of MAIT on 10th Feb 2018. It was sponsored by Hackerearth.
5. Code-a-thon was organized by CSE department for the students of MAIT on 08th Feb 2018. It was sponsored by Coding Blocks.
6. Workshop on Android App Development by Arnav at Coding Blocks, final year student (CSE) on 25th Jan 2018.
7. INFINITE LOOP 2.0 online coding competition organized by CSE department on 20th Jan 2018. The competition sponsored by Hackerearth & Unanth.



## HULT PRIZE 2018

The Team Solartrix, won HULT PRIZE India National Finals 2018, held on 7th and 8th April 2018 at The Circle, Gurugram and IIT Delhi winning the title "HULT PRIZE India National Team", to represent the country at the London Accelerator, July - August 2018 for HULT PRIZE Global Finals at the UN in September 2018.



## ACM-MAIT STUDENT CHAPTER EVENTS

1. MAIT ACM Student Chapter Organized Introduction to Android: The Kotlin way, a two-day workshop on Kotlin: the official language of Android on 09th-10th APRIL 2018.
2. MAIT ACM Student Chapter Organized HTML Canvas a 2 day workshop on HTML, CSS and JS teaching you interactive graphics on 15th-16th MARCH 2018.
3. MAIT ACM Student Chapter Organized Geekends a weekly online coding series, to introduce you to competitive programming on 03rd-04th FEB 2018.
4. MAIT ACM Student Chapter Organized Geekends a weekly online coding series, to introduce you to competitive programming on 27th JAN 2018

A Lecture on Income Tax Awareness was organised on March 15, 2018



A Lecture by  
Dr. Dinesh Agarwal on  
"India Marching Towards  
becoming Vishwaguru  
Again" on 25th May, 2018.

## MAIT RANKING IN TOP 20 IN GGSIPU ON THE BASIS OF EVEN SEMESTER EXAM JUNE 2018

### B.TECH 2ND SEMESTER (BATCH: 2017)

Sr. No.	Rank in GGSIPU	Branch	Roll no./Name	CS27	ΣCG	SGPA/CGPA	% AGE	CPI
1	6	CSE	41714802717 MANVI TYAGI	27	256	9.48	94.8	2406
2	8	CSE	05014802717 PUSHKAR	27	256	9.48	94.8	2333
3	13	CSE	43714802717 KETAN JUNEJA	27	253	9.37	93.7	2383
4	1	ECE	04914802817 SRISHTY SINHA	27	260	9.63	96.3	2435
5	2	ECE	03614802817 MILI TYAGI	27	257	9.52	95.2	2410
6	15	ECE	03414802817 MANSI SAXENA	27	248	9.19	91.9	2287
7	17	ECE	05114802817 TARUN RAHUJA	27	248	9.19	91.9	2260
8	4	EEE	03514804917 PRAANSHU SRIJAN SHANDILYA	27	247	9.15	91.5	2228
9	6	EEE	42214804917 AYUSH SHARMA	27	242	8.96	89.6	2178
10	13	EEE	04914804917 SHIVANI	27	240	8.89	88.9	2157
11	14	EEE	43314804917 ANJALI KUMARI	27	239	8.85	88.5	2157
12	15	EEE	43414804917 HARSHITA BELWAL	27	238	8.81	88.1	2138
13	17	EEE-II	02696404917 VATSAL GUPTA	27	237	8.78	87.8	2132
14	14	IT	42114803117 NITIN THAKUR	27	248	9.19	91.9	2231
15	1	MAE-II	02396403617 TUSHAR GOYAL	27	257	9.52	95.2	2412
16	3	MAE	02114803617 HARSHA	27	252	9.33	93.3	2306
17	4	MAE-II	00296403617 ABHISHEK SRIVASTAVA	27	247	9.15	91.5	2238
18	6	MAE	41714803617 NEERAJ SHARMA	27	245	9.07	90.7	2299
19	10	MAE	04414803617 SAHIL GARG	27	238	8.81	88.1	2163
20	11	MAE-II	01396403617 HIMANSHU TANWAR	27	238	8.81	88.1	2161
21	12	MAE	04714803617 SAHIL SEHGAL	27	238	8.81	88.1	2112
22	13	MAE	02714803617 KRITIKA SHARMA	27	237	8.78	87.8	2187
23	14	MAE	02314803617 HIMANSHU DHAWAN	27	237	8.78	87.8	2175
24	15	MAE-II	42596403617 SATWICK MISHRA	27	237	8.78	87.8	2128
25	16	MAE-II	01696403617 MUSKAN GUPTA	27	236	8.74	87.4	2163

### B.TECH 4TH SEMESTER (BATCH: 2016)

Sr. No.	Rank in GGSIPU	Branch	Roll no./Name	CS 27	ΣCG	SGPA/CGPA	% AGE	CPI
1	3	CSE	20514802716 VIRENDER SINGH	29	279	9.62	96.2	2610
2	5	CSE	20814802716 SWATI SINGH	29	275	9.48	94.8	2578
3	7	CSE-II	01596402716 HARSHIT SINGHAL	29	275	9.48	94.8	2550





MAIME

योग: कर्मसु कौशलम्

**OUR ACHIEVERS**

4	8	CSE	20314802716 PRERNA JAIN	29	274	9.45	94.5	2617
5	14	CSE-II	00996402716 ARPIT GOYAL	29	271	9.34	93.4	2598
6	15	CSE	36214802716 SAKSHI BINDAL	29	271	9.34	93.4	2589
7	2	EEE	03114804916 MANSI TYAGI	29	275	9.48	94.8	2548
8	7	EEE	05214804916 REEVADHARIWAL	29	264	9.1	91	2466
9	8	EEE	03314804916 MAYUR	29	264	9.1	91	2404
10	10	EEE	36114804916 SUKRIT JAIN	29	262	9.03	90.3	2362
11	14	EEE	04314804916 PARSHANT CHAUHAN	29	259	8.93	89.3	2321
12	15	EEE	60314804916 AVISH BHASIN	29	258	8.9	89	2286
13	18	EEE	01614804916 DEEPAK	29	254	8.76	87.6	2311
14	6	IT	03014803116 KRITI CHOPRA	29	274	9.45	94.5	2598
15	9	IT	40114803116 PANKAJ TEWATIA	29	274	9.45	94.5	2511
16	12	IT-II	03396403116 SHIVAM KUMAR	29	272	9.38	93.8	2449
17	3	MAE	00214803616 ABHISHEK	28	266	9.5	95	2486
18	4	MAE-II	00196403616 ANANT SINGHAL	28	265	9.46	94.6	2447
19	11	MAE-II	01496403616 NIKHIL KUMAR SINGH	28	260	9.29	92.9	2390

**B.TECH 6TH SEMESTER (BATCH: 2015)**

Sr. No.	Rank in GGSIPU	Branch	Roll no./Name	CS 27	ΣCG	SGPA/CGPA	% AGE	CPI
1	1	CSE	02696402715 NIKITA GUPTA	27	261	9.67	96.7	2393
2	4	CSE	35714802715 KSHITIJ GUPTA	27	258	9.56	95.6	2367
3	18	CSE-II	40396402715 PULKIT KATHURIA 27	251	9.3	93	2302	
4	7	ECE	05014802815 ROHIT JAIN 29	269	9.28	92.8	2501	
5	8	ECE	00314807316 KARTIK KUMAR	29	269	9.28	92.8	2422
6	16	ECE	61714802815 SWARNIM SHARMA 29	264	9.1	91	2407	
7	14	EEE-II	40596404915 GOVIND MISHRA	28	252	9	90	2252
8	17	EEE	01114807816 SRISHTI SINHA	28	249	8.89	88.9	2323
9	18	EEE	06014804915 SAHIL CHOPRA	28	248	8.86	88.6	2281
10	12	IT	60714803115 DHRUV MONGIA	27	250	9.26	92.6	2262
11	13	IT	09014803115 YASH MITTRA	27	250	9.26	92.6	2237
12	1	MAE-II	04196403615 TAJINDER SINGH	29	274	9.45	94.5	2587
13	8	MAE-II	40496403615 MOHIT KAPOOR	29	258	8.9	89	2299
14	11	MAE	07214803615 SUJATA	29	256	8.83	88.3	2338
15	12	MAE	03914803615 MEHUL GOYAL	29	256	8.83	88.3	2298
16	15	MAE	01014803615 ANKIT BANSAL	29	254	8.76	87.6	2235
17	16	MAE	60614803615 SHUBHAM BANSAL 29	253	8.72	87.2	2251	

तुम भगवान में तब तक विश्वास नहीं कर सकते जब तक तुम खुद पर विश्वास नहीं करोगे। -स्वामी विवेकानंद

AGRANI SAMKALP

अग्रणी संकल्प

September 18

29

सितम्बर 18

B.TECH 8TH SEMESTER (BATCH: 2014)								
Sr. No.	Rank in GGSIPU	Branch	Roll no./Name	CS 27	ΣCG	SGPA/CGPA		
1	2	ECE-II	01496402814 ANAMIKA ROHATGI	24	2249	93.70833		
2	7	ECE	60014802814 APURVA GUPTA	24	2229	92.875		
3	7	ECE-II	01096402814 SHUBHAM GARG	24	2229	92.875		
4	9	ECE-II	03996402814 SANYA TANDON	24	2204	91.83333		
5	10	EEE-II	01896404914 UDIT BIBHUTI	24	2138	89.08333		
6	3	IT-II	00896403114 ANSHUL GARG	26	2385	91.73077		
7	8	IT	03514803114 PRERNA JAIN	26	2358	90.69231		
8	12	IT-II	02096403114 SAURABH BHALLA	26	2341	90.03846		
9	14	IT-II	01696403114 AADITYA SURI	26	2325	89.42308		
10	15	IT-II	03596403114 TANVI GUPTA	26	2321	89.26923		
11	9	MAE	05214803614 MAYANK PANT	26	2224	85.53846		
12	12	MAE	02714803614 RAUNAQ DUA	26	2200	84.61538		
13	13	MAE	30114803614 SAMBHAV MEHTA	26	2197	84.5		
14	18	MAE	01514803614 RAUNAK SINGH OBERAI	26	2171	83.5		
15	19	MAE	07514803614 AMRITESH THUSU	26	2168	83.38462		
MBA-4TH SEMESTER (BATCH: 2016-18)								
Sr. No.	Rank in GGSIPU	Branch	Roll no./Name	CS 27	ΣCG	SGPA/CGPA	% AGE	CPI
1	6	MBA-II	03796403916 SHRUTI GOEL	24	225	9.38	93.8	2043
2	10	MBA	07814803916 SHRUTI LOHANI	24	222	9.25	92.5	2028
3	18	MBA-II	02296403916 NIKITA SOOD	24	219	9.13	91.3	2028
4	20	MBA	07614803916 SHREYA BANSAL	24	219	9.13	91.3	1995
MBA-2ND SEMESTER (BATCH: 2017-19)								
Sr. No.	Rank in GGSIPU	Branch	Roll no./Name	CS 27	ΣCG	SGPA/CGPA	% AGE	CPI
1	1	MBA	02014803917 BHAVYA MONGA	30	280	9.33	93.3	2608
2	5	MBA	06814803917 SHRUTI CHOURASIA	30	276	9.2	92	2468
3	9	MBA	04314803917 MEENAKSHI M	30	272	9.07	90.7	2568
4	12	MBA	07214803917 SIMRAN KAUR MATTA	30	272	9.07	90.7	2516
5	13	MBA	01914803917 BABY TWINKLE	30	272	9.07	90.7	2496
6	17	MBA	01014803917 ANJALI CHATURVEDI	30	272	9.07	90.7	2432

नास्ति विद्या समं चक्षु, नास्ति सत्य समं तपः।  
नास्ति राग समं दुखम्, नास्ति त्याग समं सुखम्॥



## DEPARTMENT OF ELECTRONICS AND COMMUNICATION

### Student Publications with Faculty

- [1]. **Praween K. Sinha**, Akshay Saini, Pranav Kumar, Sumit Mishra “CFOA Based Low Pass and High Pass Ladder Filter - A new configuration” circuit and systems Scientific Research Publications (USA), Vol 5, PP 293-300, 2014.
- [2]. Abhinandan Aggarwal, Gagandeep Singh, **Neelam Sharma** “Implementation of AES algorithm” International Journal of Engineering Research & Science (IJOER), ISSN, (2395-6992), Vol-2, Issue-4, April - 2016, Page 112.
- [3]. **Praween Kumar Sinha, Neelam Sharma**, Rohit Mishra “A Configuration for Realizing Voltage Controlled Floating Inductance and Its Application” Circuit & Systems Scientific Research Publications (USA), Vol 6, PP 189-199, 2015.
- [4]. **Praween Kumar Sinha, Neelam Sharma**, Simran Agarwal, Sudipto Saha “CFOA based Bandpass and Bandstop Ladder Filter - A New Configuration” Circuit & Systems, Scientific Research Publishing, Dec.2015.
- [5]. “Analytical Drain Current Formulation for Gate Dielectric Engineered Dual Material Gate-Gate All Around-Tunneling Field Effect Transistor,” Jaya Madan, **R.S Gupta**, Rishu Chaujar, Japanese Journal of Applied Physics (JJAP), Volume 54, no. 9 August 2015.
- [6]. **Praween Kumar Sinha**, Himani Dhir, **Neelam Sharma**, Shubham Jindal “Realization Of Grounded Inductance And Capacitance Using Current Feedback Operational Amplifier And Its Application” International Journal of Electronics, Electrical and Computational System (IJEECS), ISSN 2348-117X, Volume 6, Issue 2, February 2017, Page 96-101.
- [7]. “Fast Adders: Timing, Layout and Cost Comparison”, Akshat Malik, **Abhilasha Gokhale** and **Neelam Sharma**, International Journal of Electronics, Electrical and Computational System (IJEECS) ISSN 2348-117X, Volume 6, May 2017.
- [8]. “Fast Adders: Timing, Layout and Cost Comparison”, Akshat Malik, **Abhilasha Gokhale** and **Neelam Sharma**, International Journal of Electronics, Electrical and Computational System (IJEECS) ISSN 2348-117X, Volume 6, May 2017.
- [9] “Fast Adders: Timing, Layout and Cost Comparison”, Akshat Malik, **Abhilasha Gokhale** and **Neelam Sharma**, International Journal of Electronics, Electrical and Computational System (IJEECS) ISSN 2348-117X, Volume 6, May 2017.
- [10] Reibhu Sant, **Abhilasha Gokhale, Neelam Sharma**, Ashutosh Pal, Kunadan Jha, “Design of Hybrid Signed Digit Adder for Fast Processing”, International Journal of Electronics, Electrical and Computational System, Volume 6, Issue 9, September 2017, ISSN2348-117X.
- [11] **Neelam sharma**, Rajat Sarkari, “FPGA Synthesis of 32 bit MIPS based pipelined RISC processor with UART interface”, International journal in applied science & Engineering Technology, Volume 6, Issue 11, Feb. 2018, ISSN 2321-9653.
- [12] **K. L. Pushkar** and K. Gupta, “MISO-type voltage-mode universal biquadratic filter using single Universal Voltage Conveyor,” Circuits and Systems, ID: 7601237, 2017., ISSN2153-1293.
- [13] Jaskeerat Singh Bhatia and **Sonia Jain**, “CryptoLive: A Mobile Application for IOS Platform Depicting Real Time Details for Different Crypto Currencies”, International Conference on Perspectives of Make in India (Trends, Route & Approach)- MITRA-April, 2018, NIET, Alwar, Rajasthan.
- [14] **Rajni, Sonia Jain**, Vansh Narula, Abhimanyu Chadha, “An Insight to Compressive Sampling”, International Conference on Perspectives of Make in India (Trends, Route & Approach)- MITRA-April, 2018, NIET, Alwar, Rajasthan
- [15] **Vaibhav**, Davinder Miglani, Shivam Gupta, Karan Arora; Design of Low Power High Speed Current Comparator based flash ADCs ;IEEE International Conference on Computing for Sustainable Global Development, Mar. 2018.

काक चेष्टा, बको ध्यानं श्वान निद्रा तथैव च।  
अल्पाहारी, गृहत्यागी, विद्यार्थी पंच लक्षणम्॥

**DEPT. OF ECE**

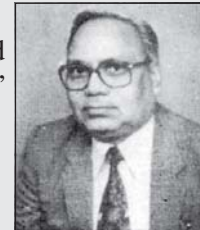
**Prof. R.S.Gupta**

*Thesis Guided*

Sonam Rewari has been awarded doctorate with thesis titled, “Modeling, Simulation and Characterization of Junctionless Double Surrounding Gate MOSFET for high frequency Applications” under the guidance of Prof. R.S.Gupta.

**I. Papers in Reviewed Journal-3**

**II. Papers in International Conferences-8**



**DEPT. OF APPLIED SCIENCES**

**Prof. Dr. Kamal Nain Chopra**



Prof. Dr. Kamal Nain Chopra of Applied Physics Department, has been able to continue his research work, and published a number of Research Papers in the various fields like, Free Electron Lasers, Laser Coatings, Organizational studies, Optimizing the Financial Resources of a Firm, and Application of Artificial Intelligence on Management of Organization and Commerce, in Reputed International Journals - Lat. Am. J. Phys. E, SOPO 2018, Kunming, CHINA (TAYLOR and FRANCIS Group), Journal of Organizational Psychology, USA, International Journal of Accounting and Finance Studies, Los Angeles, CA, USA. and Journal of Internet Banking and Commerce, Ottawa, CANADA (Five in the year 2018 so far), 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 and reputation at the International Level, both in Physics, and Business Management Studies. Besides, he has been appointed as EDITORIAL BOARD MEMBER, by the Reputed Journal - International Journal of Accounting and Finance Studies, Los Angeles, CA, USA. in recognition to his recent publications in the international journals, with the nomenclature: Prof. Dr. Kamal Nain Chopra, Maharaja Agrasen Institute of Technology, GGSIP University, Delhi, INDIA.

**DEPT. OF MBA**

**Dr. Ravi Kumar Gupta**

Professor in Management, MAIT.

- **Ph.d guided:** Shalu Juneja and Megha Sukhija Banga have been awarded doctorate with thesis titled, “ Volatility in Indian and International Stock Markets: An Empirical Study” and “Study of the Factors Contributing the Developments of Equity Derivative Market of BRICS Countries” respectively from IMSAR, Maharshi Dayanand University, Rohtak.
- He has been appointed as Honorary Dean of PCJ School of Management, M.A. University Baddi.
- **Book Published:** ED. Ravi Kumar Gupta, Ravinder Jit, Anju Bharti, Neeru Gupta, “Digitalization”, ISBN No. 978-93-5311-441-1, Maharaja Agrasen University Publications, New Delhi, 2018, 180 pp,



**DEPT. OF MAE**

**Dr. Vaibhav Jain, Asst. Prof.**



received following awards from the reputed SCI Journals of Elsevier publication, recently.

- ◆ Outstanding contribution award from the International Journal of Refrigeration.
- ◆ Outstanding contribution award from Applied Energy.
- ◆ Outstanding contribution award from Applied Thermal Engineering.
- ◆ Recognized reviewer award from Applied Thermal Engineering.
- ◆ Recognized reviewer award from International Journal of Refrigeration.





**PH.D Awarded**



Name: Javed Ahmad, Asst. Prof. Dept. of ECE

Title of the Thesis: Design and Development of Analog Signal Processing/Generation Circuits.

Year of Completion: February 2018

University: Department of Electronics & Communication Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia (A Central University), New Delhi

Name : Sonam Rewari, Asst. Prof. Dept. of ECE

Completion date: 30.07.2018

Title: Modelling, Simulation and Characterization of Junctionless Double Surrounding Gate MOSFET for high frequency Digital and Analog Applications

University: Guru Gobind Singh Indraprastha University (GGSIPU), Dwarka.



**STUDENTS PARTICIPATION IN MINDROVER SEASON-6**



Students of MAE department formed a team called “TEAM KALAM” and participated in Mindrover season 6 which was organised by TATA Motors (<http://www.mindrover.tatamotors.com/t-school/>) The final round of this competition was conducted on 18th May 2018 at Pune. The team from MAIT Won 2nd Prize in this competition. They won a prize money of Rs.75000 and have been offered pre placement Interview from TATA Motors. (Smart-City interface with Car). Team from MAIT won Among 700 Participants Nationwide. The Team Members were : Mr. Shubham Bansal (3rd Year, MAE), Mr. Ishan (3rd Year, MAE), Mr. Devanshu (3rd Year, MAE), Mr. Amit Gautam from MAE Department was the faculty advisor. The Institute sponsored their trip to Pune and felicitate the winning students

with a cash prize of an equal amount of Rs.75000.

○

# MODELING OF THE GEOTHERMAL ENERGY

**-Prof. Dr. Kamal Nain Chopra**

Dept. of Applied Physics

## INTRODUCTION

Geothermal energy is the useful form of thermal energy, which can be generated and stored in the Earth. The Geothermal energy of the Earth's crust is originated from two factors: (i) The original formation of the planet (1/5th), and (ii) The radioactive decay of minerals (4/5th). The earth consists of three parts - core (innermost), mantle (middle), and earth's crust (outermost). The top layer of mantle is a hot liquid rock (magma), on which the earth floats. During the eruption of volcanoes, magma breaks through the surface of the earth in the form of lava. The temperature differential below the earth is formed in such a way, that for every 100 meters below the ground, the temperature of the rock increases by ~ 3 degrees Celsius,

Many useful efforts have recently been made on designing plants for conversion of geothermal energy into electricity. Modeling of the Geothermal Energy Flow for Optimized Power Conversion based on the Diffusion Equation of Fluid Flow for Porous Rocks, is very important for optimizing the use of the geothermal energy. The role of the parameters - torque rotational speed, the fluid flow rate, the fluid velocity, the incidence angle, and the turbine radius is very critical for the efficient conversion.

## OPTIMIZATION AND MODELING OF GEOTHERMAL ENERGY

The optimization of the use of the geothermal energy is done by considering its flow in a huge reservoir, and making these assumptions: (i) The reservoir has different porous rock formations, in which the pores are filled with fluid, mainly water, existing in liquid phase, gas phase, or as a two phase mixture, and the solid rock material has elastic properties, but not moving as the fluid; (ii) The reservoir is surrounded by Earth's surface and the outer boundaries within the crust. In the mathematical flow analysis, the conditions have to be specified for the main variables at all the points on the boundary; (iii) The concerned variables and parameters are functions of position in a 3-D space, and (iv) The state of the reservoir in general varies with time, though in certain cases a steady state solution can also be found. The flow of the liquid through the porous medium i.e. rock is studied by the well known Darcy's law, which is surprisingly based on some of the experimental results on the flow of water through sand beds, and also explains fluid permeability used in the earth

sciences like hydrogeology. Darcy's law is just a proportional relationship between the instantaneous discharge rate through a porous medium, the viscosity of the fluid and the pressure drop over a given distance, and is given by the following equation:

$$Q = \left(\frac{-kA}{\mu}\right)\left(\frac{P_b - P_a}{L}\right) \quad (1),$$

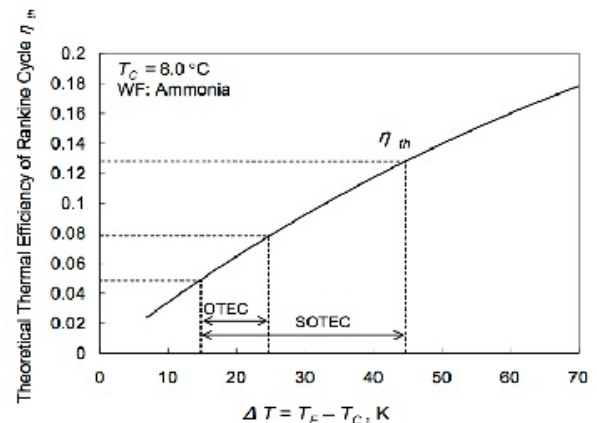
where  $Q$  is the total discharge in units of volume per time ( $m^3/s$ ), which is equal to the product of the permeability of the medium,  $k$  ( $m^2$ ), the cross sectional area of flow,  $A$  ( $m^2$ ), and the pressure drop,  $P_b$  in Pascals, divided by the viscosity,  $\mu$  ( $Pa \cdot s$ ) and the length over which the pressure drop is taking place ( $m$ ). The negative sign appears because the fluid flows from high pressure to the low pressure. For the negative change in pressure i.e.  $P_a > P_b$ , the flow is in the positive  $x$  direction. Dividing both sides of the equation by  $A$ , and using more general notation, we can write:

$$q = \left(\frac{-k}{\mu}\right)\nabla P \quad \text{---(2)},$$

where  $q$  is the flux i.e. discharge per unit area, in units of length per time,  $m/s$ , and  $\nabla P$  is the pressure gradient vector, in  $Pa/m$ . This flux  $q$  is referred to as the Darcy flux, and should not be confused as the velocity experienced by the water flowing through the pores. The pore velocity  $V$  is related to the Darcy flux ( $q$ ) and the porosity ( $n$ ); and is represented by the following equation:

$$v = \frac{q}{n} \quad \text{---(3)}.$$

The results for the theoretical thermal efficiency of Rankine cycle are as shown below:





## FACULTY ARTICLES

Illustration of the theoretical thermal efficiency of Rankine cycle on the temperature difference between deep ocean water and surface water. Figure courtesy otec.fsu.angelfire.com

Recently, a global geothermal energy summit has taken place, which provided a unique peer-to-peer learning platform with plenty of networking opportunities with key decision makers in the geothermal power industry, and focused on some topics including Investigating best methods, tools and strategy in geothermal exploration drilling, detailed design and construction, and Optimized operations and maintenance of geothermal power plants. Some engineers have used a heat and mass transport model (SUTRA) to evaluate the potential impact of groundwater flow on heat flow along two different regional groundwater flow paths. It has been reported that limited on situ permeability data from the Columbia River Basalt Group (CRBG) are compatible with a steep permeability decrease at 800-900 m depth and approximately 40°C. One annual IEEE PES General Meeting

has focused on the technical sessions, administrative sessions, super sessions, poster sessions, on various topics associated with geothermal energy. Recently, the software for designing geothermal ground source heat pump systems has been made commercially available, which is being utilized in a very large number of countries. Hence, It is clear that in the coming years, the technology will continue to be explored by the newer and more developed plants and processes.

### ACKNOWLEDGEMENTS

The author is grateful to the Dr. Nand Kishore Garg, Founder Chairman, Maharaja Agrasen Institute of Technology, GGSIP University, Delhi for providing the facilities for carrying out this research work, and also for his moral support. The author is thankful to Prof. Dr. M. L. Goyal, Director General, for his support during the course of the work. Thanks are also due to Prof. Dr. V. K. Jain, Deputy Director, for showing interest in the work. The author is also grateful to Prof. Dr. Ram Kishore, Head, Department of Physics, for constant encouragement.

## E&Y FINANCIAL MODELLING SESSION

Dept. of MBA organized a session on E&Y FINANCIAL MODELLING on 28th August, 2018. The chief speakers were Mr. Furqan Warsi, Vice President and Mr. Vikas Gangwal .

The session began with a brief introduction about the company Ernst & Young, who they are, what they do, who are their clients and on what fields they work upon.

- They also asked the students' views about E&Y and their extent of awareness about Financial Modelling.
- The speakers very swiftly gave descriptive knowledge about Financial Modelling. They explained thoroughly the scope of financial modelling in today's world. They also gave a brief about the importance of MS Excel in Financial Modelling, as well as in general scenarios.
- They made the students acquainted with various other courses offered by EY but primarily focused on Financial Modelling course.
- They carried the discussion by explaining the financial modelling module they offer which included the following details:
- How they will be providing 8 hours of pre-learning online videos,
- 40 hours of face to face sessions after that,
- Then about the assessment and certification.



- They also told that they will be providing post module material for six months.

They summed up the session with answering the queries of students. It was an informative and fruitful session with great exposure.

The session witnessed an active involvement of the students and teaching faculty.

## PRIME MINISTER SH. NARENDRA MODI'S ROLE IN INDIA'S ECONOMIC DEVELOPMENT

Shridul Gupta  
Assistant Professor, MAIMS

WE THE PEOPLE OF INDIA have chosen Sh. Narendra Modi as our Prime Minister at the time when our economy was in a critically bad shape, when there was total paralysis in decision making, corruption was everywhere infrastructures in all sectors were broken down and Foreign Direct Investment (FDI) investors were afraid to invest in our Country.

However, within three years of his active, dynamic and charismatic leadership, our Prime Minister Modi has taken out decision making process from ICU, restored the infrastructure building process, controlled corruption to an extent and convinced investors to start investing with a confidence of doing business in India without any fear of retrospective taxation, with the result that the Foreign Direct Investment has gone up to \$ 156 billion in 2016-2017.

The Prime minister's mantra is good governance and economic development. His action includes:

- Death of bureaucratic red-tapism
- Doing business made easy by swift environmental clearances
- Repeal of redundant laws;
- Monitoring of projects;
- Importance is given to cleanliness of water;
- Opening FDI in defence, raising the cap on insurance up to 49% and 100% in marketing food products.

Other measures include Goods & Service Tax (GST) Act, Insolvency, and Bankruptcy Act, closure of sick Public Sector Undertakings (PSU) and proceeding with the listing of non-listed PSU's.

Rural development has been given special importance with new policy of empowerment in rural development and social spending, like rural electrification, rural road construction, LPG to rural BPL householders, Rs.10 million for new rural houses to be constructed and Aadhar has led to elimination of leakage through ghost accounts, amendments in tenancy laws, spread of digitisation and e-mantis. Furthermore, better federalism has led to a movement for labour laws reform and land acquisition. New ways are also being searched to rejuvenate agriculture.

The Prime Minister, for economic development, is

attracting the foreign investors to invest in India by narrating following favourable factors:

- India's commitment to long-term structural reforms for making it easier to do business in India;
- India's reform measures are taking place in an environment of political stability which is providing greater credibility compared with other major economies like China;
- India has a strong central government which can take bold decisions to create a predictable environment for foreign investors; the showcase is the new goods and service tax;
- India has a young population with long working life;
- India being an ideal place for FDI because of new policies on infrastructure, no retrospective taxation, democracy, independent judiciary and potential for high returns;
- India has a huge capacity for absorbing large capital investment in infrastructures, like railways, defence, highways, housing and other sectors, which will also generate new jobs;
- Investment in India is safe because of government commitment to fiscal discipline, and enforcement of bankruptcy laws and intellectual property laws;
- India is seeing revolution in digital & mobile technology and e-governance;
- New trend in domestic saving moving towards financial assets;



China and other successful developing countries have built their economic success on rapid industrialization, taking advantages of cheap labour. This labour-intensive growth has provided employment to millions and also spawned a massive service economy employing more. India, by contrast, has taken the route of information technology through software developers and computer call centres. Western computer manufacturers and software developers took advantage of highly skilled English-speaking software



## FACULTYARTICLES

engineers whose service were available for only a tiny fraction in comparison to their own countries. This version of growth provided employment to urban people, but the great majority of the rural population remained in poverty.

Why India followed the IT path rather than labour-intensive growth that was followed by China and every developed economy, even when India possesses an enormous population of potential factory workers. The primary reason is the restrictive labour laws that discouraged Indian and foreign investors to invest money into labour-intensive

industries. Other factors were the deplorable state of infrastructure in the energy and transport sectors. We know that industrialization and infrastructure improvements go hand-in-hand. Another factor was the business confidence deficit. Prime Minister Modi has promised faster job growth by investing in infrastructure improvements and encouraging foreign investment and doing business easy in India. Whether Prime Minister, Modi will reform labour laws? His decision will determine whether the rural majority who have been bypassed by the Indian economic miracle will share the success.

## BEAUTY

-Kriti Khurana, B.com (Hons.), I year

“Outer beauty attracts but inner beauty captivates”.

If you ask most people what they find beautiful about a person, many of them will probably begin to describe someone's physical characteristics. It goes like this: “I like her eyes, her long hair, cheeks.....”

Rarely you will find someone's reply, “What makes someone beautiful to me is their generosity, courage, kindness.”

After all,

“A beautiful woman pleases the eye,  
A good woman pleases the heart,  
The first is a jewel,  
The second is a treasure.”

A woman named Hepburn in Netherlands was asked about her beauty secrets. She replied with a remarkable grace:



'for lovely eyes seek out the good in people.

For slim figure share your food with the hungry.

For beautiful hair let a child run his fingers through it once a day'.

True beauty of a woman is reflected in her inner soul.

“Beautiful people are not always good but good people are always beautiful.”

There is an inner beauty in a woman who makes her believe in herself; that she is capable of doing anything. The beauty is her strength; who follows her own path and isn't thrown off by obstacles. The beauty is her confidence that comes from experience; who knows she can fall, pick herself and move on.

“Because beauty is created by her attitude, her behaviour & her actions.”

## BLOOD DONATION REWARDS -28TH MARCH 2018



## ANALYSING SELF - A JOURNEY FROM BEING FEARFUL TO BECOMING FEARLESS

People generally fret, hesitate and get nervous while talking to strangers. It is generally true, especially while formal meetings and giving interviews.

Generally, a person with an introvert nature feels afraid and gets hesitated when it comes to giving interviews and talking to strangers. But once the person continues to give interviews, and gets involved in public speaking, and public interaction, the fear gradually fades away, hesitation and nervousness vanish. The more we practice, the better we become.

But how is it possible - that suddenly we start feeling fearless and unrestricted towards talking to others? Is that just the practice we did or something else?

The solution to understanding this transformation is extremely important. It is not just limited to meetings and interviews but also is connected to other phases and aspects of life. We learn from every situation, which comes in our life but we don't analyse it in the best possible way.

We might have various experiences in our lives, but we don't remember the crux of that. Until we don't analyse it strategically, we can't learn from it.

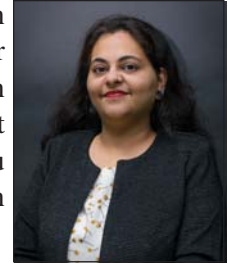
Therefore, post-examination is very important in every presentation, and public speaking activity or an interview, we take up.

It is a matter of fact that until and unless you don't perform self-analysis to learn from your experience, you are neither growing nor improving in any shape or form.

Following points will help you for self - preparation, and get exposure. You will become a better version of yourself and perform to your best of abilities under every situation and circumstance.

- Remember, People with whom you are meeting or interacting don't know you personally, so it's not wise to take their comments or criticism personally and feel demotivated.
- Try to interpret and examine that how people are communicating with you. Are they soft-spoken and gentle, neutral or they feel happy while interacting with you?
- Notice carefully, are people learning anything from you during their interaction- That's a sign of your innovation and creativity of something new or maybe presenting something old in a modern and unique perspective.

- Were you able to retain the attention and interest of your listeners? And for how long? The attention span of an individual is too short. You should not be monotonous or dull because you will lose the attention of the person within seconds.



**Dr. Sunita Tank**  
Dean and Head-  
Corporate Affairs  
and Placements  
MAIMS

- What were the questions which you were able to answer easily?

It means you were familiar with those inquiries and there is not much of a need to spend a lot of time preparing for the same.

- What were the questions where you were wondering, what can be a definite answer to this and did not have a solid solution of that query?

Momentarily that's the core topic to be prepared for, as you were not able to give a firm and appropriate solution to it. PEOPLE GENERALLY DO NOT WORK ON THIS PART QUITE OFTEN.

They just remember that they were not able to answer some of the questions but they do not look for a relevant response to those unanswered subjects.

- Look out for the appropriate and convincing responses to those unanswered inquiries, and see which charisma and divinely conferred power or talent can be added to your personality and situation the most.
- Still, if you are not able to figure out those answers, you can always take some professional guidance from an expert on the same.

Remember, a score or a tick on all the mentioned tips will help you to analyse each and every meeting into a learning experience.

The more you will investigate and scrutinise, the better your personality and charisma will become.

When you are on the way of dissecting your uniqueness and personality accurately, against all known and obscure circumstances, you will be considered to be on your JOURNEY FROM BEING FEARFUL TO BECOMING FEARLESS!

○



## RECENT DISASTERS-WHAT DO THEY REVEAL ABOUT HUMANITY?

*"Disasters are first and foremost a major threat to development, and specifically to the development of the poorest and marginalized people of world. Disaster seeks out the poor and ensures that they are poor"*

Didier Cherpitel

(Secretary General of the International Federation of Red Cross and Red Crescent Societies)

Life comes to a standstill during the incidents of either a natural or a manmade disaster. Take the example of Ganga Brahmaputra floodplains or the Mumbai floods. Everywhere there were submerged houses, broken bridges and wasted railway tracks. Also, recent fury of waters in the Kishanganj and Katihar districts of Bihar had cut off the road and rail services in north Bengal and consequently North East India's connectivity by rail with the rest of India.

On such occasions, schools turn into relief centres and school children are forced to take a 'flood vacation'. Access to water and sanitation is difficult. Open defecation becomes common and the use of contaminated water leads to increase in water borne diseases.

I think that these disasters serve as a reminder to break the 'build and forget' mentality that currently rules the bureaucracy.

It reminds us of the importance that should be given to the community living close to the disaster prone areas. Also Panchayati Raj Institution members can play a role of leadership in disaster management at all stages, right from the preparatory stage up to the handling of the long term developmental activities for risk reduction.

When big weather events happen, often the first thing discussed about is climate change. The UN, in its latest extreme weather report, found that losses adjusted for population and wealth have not been attributed to natural or anthropogenic climate change. Even if carbon cuts like those promised between now and 2030 in the Paris treaty are successful, they would reduce heavy rain increases by a tiny fraction. The lesson from the US and around the world is that a much more effective policy is to look at where societies are allowing construction to take place. Unabated construction on floodplains and coastal areas means that there are more people at risk. And urban planners paving over floodplains and denuding forests make matters worse.

It is a crucial reality that natural disasters often afflict the poorest the most. This means that efforts to reduce poverty are also an 'antiflooding' measure. Also the need is to increase the resilience towards such extreme disaster events.

Also, the Paris agreement gives reference on the displacement linked to climate change as a current reality and not future hypothetical. Countries are supporting each other in the refugee crisis. Even the UN refugee agency has vowed to reduce and address displacement caused by disasters and adverse effects of climate change at the World Humanitarian Summit held in Istanbul in 2016.



**Sonal Khurana**  
Asst. Prof, Dept. of MAE

Climate change and disaster are among the biggest threat to humanity and what is required is the determination on part of the policy makers to address the gaps in order to make our societies resilient towards climate change and disaster.

It is time to stop thinking that disasters are those that have struck others, but will not happen to us. Remember, more than 60% of India is earthquake prone, 12% flood prone, and more than 70% of the cultivable land is prone to drought. We have a large number of chemical industries producing hazardous material. Fire accounts for some of the largest losses in India. It will be our endeavour to support the Government of India in creating a culture of prevention throughout the country

I would like to end on a positive note by saying that history reminds us of the strength in working together as a team. If we as humans join hands to make our society disaster resilient, then it will serve to be a major step to serve humanity. In support of this, I would like to quote a few lines from Bruce Springsteen poem "We shall overcome".

We shall overcome  
We shall overcome some day  
Oh, deep in my heart  
I do believe  
We shall overcome someday.

○

## INSIDE DELHI'S DARK LANES OF DRUG ABUSE

-Rahul Satija, BJMC

Naveen started stealing from his own house to pay for the drugs, Ajay would hurt himself if he was denied access to drugs and Sidharth regrets many things he did under the influence of drugs. All of them were in their teens when they were first introduced to this evil habit. Thousands of people like them are exposed to the substance abuse at a young age. Our research identified 20 hotspots across Delhi, which sold drugs 24 hours. Many chemists are also involved in the business under the cover. Read our exclusive report to understand the problem of drug abuse in Delhi, some amazing reform stories and possible solutions to the problem.

Naveen started using drugs in 1998 under the influence of his peers. Residing in Delhi, Naveen was 19 years old when he used the drugs for the very first time. However, it wasn't his last time and he went on to become a drug addict for next eight years.

"One of my friends first introduced me to hash and then gradually I moved on to Smack," Naveen recalls. He started stealing from his house to fulfil his increasing desire to take drugs. His dark habits did not remain unnoticed for long. His neighbours found out about Naveen's addiction and soon his parents got to know about it too. They sent him to a rehabilitation centre. But, Naveen was not ready to give up on the habit yet. He ran away from the centre after 15 days and fell back into the drug abuse.

"My family told me to either leave drugs or leave them, then I made my decision to become clean and went to a rehabilitation centre again. This time I was more determined to change. I stayed there for a year and came out clean," Naveen says.

"My advice to all the youngsters is that Please don't do drugs it is a hell in which once you get into its very hard," he further adds.

Naveen is one of the thousands of people who get addicted to drugs at a young age. Not many are able to overcome this addiction like Naveen and often meet an unexpected end.

A survey conducted by Delhi government's women and child development department in association with NDDTC at AIIMS shows that around 70, 000 street children are addicted to drugs. The situation is at red alert; crimes related to drugs are also at a rise.

There are drug peddlers at every corner of the city. The

situation is so worsened that now drugs are available 24 hours in the city. In places like Shubash Nagar, one can buy banned drugs throughout the day. A seller told us that irrespective of whether one came here at five in the morning or 12 at night, one will get the "stuff" easily.

While doing research we identified more than 20 hotspots like Rithala, Subhash Nagar, Nizamuddin Bridge, Paharganj, where drugs are easily available. These drug peddlers operate in slums across the city. Pankaj (name changed), who hails from Uttar Pradesh said: "Smoking drugs like marijuana have now become a trend, there are peddlers present near every college." There are also many chemists in the city who are selling these banned drugs just to earn some extra money.

### Drugs Aggravating Crimes



Photo: Chris Yarzab, Flickr

A research conducted by the city's Institute of Human Behaviour and Allied Sciences on over 500 inmates at the Prayas Observation Home For Boys stated that out of the total number of juveniles booked for different crimes, over 87% had a history of substance abuse. Individuals with substance abuse often commit a crime or engage in violence to obtain the drug.

Siddharth, a 20-year-old drug addict from Delhi has been injecting heroin for about a year. His addiction has made him do things, which he regrets deeply.

"My life has become a complete mess at many instances. I stole money from my house. I even stole my mother's necklace," Siddharth said.



Ajay Verma who runs a rehabilitation centre named Ujala Foundation in Delhi says: "An addict only cares about his drugs. He is willing to do anything to get his drugs whether robbery, snatching or even murder."

Addicts who come from poor families often indulge in robberies and theft to get the money for drugs. Due to the increase in drug aggravated crimes among juveniles, the government opened a special correction home for juveniles. This correction home deals with cases of juveniles who have committed a crime under the influence of drugs. This initiative is now managed by a Unesco-affiliated NGO Society for Promotion of Youth and Masses (SPYM).

Jaspal Kaur, counsellor, SPYM, says: "The number of juveniles coming to the correction home is increasing drastically. Back in 2007 when we started we had five such juveniles, but now we have more than 100 of them. Most of them were involved in robbery and chain snatching and were addicted to smack. The drug costs around Rs. 400 to Rs. 1,000. They indulge in criminal activities to pay for the drugs. I have seen addicts who stole 15 phones and sold one phone daily to get their drugs for the day."

Is the Government Doing Enough?

In December 2015, the government started opening drug de-addiction centres in hospitals, which had a functional psychiatric department. It identified 11 such hospitals.

On request to remain anonymous, head of the psychiatric department of one such hospital says: "In all these hospitals drug de-addiction is not the primary domain it is just one of the domain. We deal with patients for drug de-addiction very rarely as most of them are unaware of this facility,"

There are only six full-fledged rehabilitation centres that are run by NGO's and partially funded by the government. In a city where there are 70,000 street children who are addicted to drugs and the total number of addict is estimated to be in lakhs, just six rehabilitation centres are not enough to tackle the situation.

Following a Delhi Court Order, the municipal corporation served notice to around 100 privately run de-addiction centres to shut down till the further guidelines are issued. This move is highly criticized by many as in city where there is already a shortage of rehabilitation centres closing 100 privately owned centres will make the situation worse.

Shiv Kumar, the father of an addict, says: "This move

by the government is making our families' life hell. We heard about a rehabilitation centre that had a good success rate and we were ready to admit our child there. But now we are stressed, government rehabilitation centres lack proper facilities and most of the privately run centres have been closed or directed to refuse any new admission."

From Addicts to Warriors.

Ajay Verma, 54, was an addict for 17 years. He was a multiple drug user. "I used to use smack, marijuana, and anything that could get me high," Ajay says. He was 15 when he started using it. Initially, he managed to buy drugs at regular intervals. But with his increasing desire to do drugs, he started falling short of money. He started stealing from his own house. With every theft, the amount of money he stole increased.

Eventually, his family found out about his habit and forced him to go to a rehab centre. "I used to create a chaos there; I would break windows and cut myself with a knife. When I became more aggressive, the centre expelled me. I then went to an NGO operated by a former drug addict. He was able to understand my problem and sympathize with me. I stayed there for 10 months and came out clean. Now it has been almost 22 years since I have taken any substance. Those 17 years of my life were the hardest for me, the only thing I used to care about was my drugs." Verma says.

Verma now runs a rehabilitation centre name Ujala Foundation and help the addicts to come out of this dark habit. He believes that those who themselves have experienced this could only understand the pain.

### The Possible Solution

It is essential to stop the drug smuggling and keep a check on the peddlers to stop creating new addicts. However, it won't stop the current addicts as they will find some other way to get drugs. So more rehabilitation centres need to be built.

A public-private partnership between private rehabilitation centres and government is the need for an hour. Delhi also has approximately 500 to 700 private centres, mostly run by recovering addicts who understand both the psyche of the addict and the way back. If the government partners with private rehabilitation centres like the Ujala foundation then the drug abuse situation stand a chance to come to a halt

○

Special on World Brotherhood Day

## SWAMI VIVEKANANDA'S SPEECH AT THE PARLIAMENT OF RELIGION, CHICAGO



Sisters and Brothers of America,

It fills my heart with joy unspeakable to rise in response to the warm and cordial welcome which you have given us. I thank you in the name of the most ancient order of monks in the world; I thank you in the name of the mother of religions, and I thank you in the name of millions and millions of Hindu people of all classes and sects.

My thanks, also, to some of the speakers on this platform who, referring to the delegates from the Orient, have told you that these men from far-off nations may well

claim the honor of bearing to different lands the idea of toleration. I am proud to belong to a religion which has taught the world both tolerance and universal acceptance. We believe not only in universal toleration, but we accept all religions as true. I am proud to belong to a nation which has sheltered the persecuted and the refugees of all religions and all nations of the earth. I am proud to tell you that we have gathered in our bosom the purest remnant of the Israelites, who came to Southern India and took refuge with us in the very year in which their holy temple was shattered to pieces by Roman tyranny. I am proud to belong to the religion which has sheltered and is still fostering the remnant of the grand Zoroastrian nation. I will quote to you, brethren, a few lines from a hymn which I remember to have repeated from my earliest boyhood, which is every day repeated by millions of human beings: "As the different streams having their sources in different paths which men take through different tendencies, various though they appear, crooked or straight, all lead to Thee."

The present convention, which is one of the most august assemblies ever held, is in itself a vindication, a declaration to the world of the wonderful doctrine preached in the Gita:

"Whosoever comes to Me, through whatsoever form, I reach him; all men are struggling through paths which in the end lead to me." Sectarianism, bigotry, and its horrible descendant, fanaticism, have long possessed this beautiful earth. They have filled the earth with violence, drenched it often and often with human blood, destroyed civilization and sent whole nations to despair. Had it not been for these horrible demons, human society would be far more advanced than it is now. But their time is come; and I fervently hope that the bell that tolled this morning in honour of this convention may be the death-knell of all fanaticism, of all persecutions with the sword or with the pen, and of all uncharitable feelings between persons wending their way to the same goal.

### Address at the final session

Chicago, September 27, 1893

The World's Parliament of Religions has become an accomplished fact, and the merciful Father has helped those who laboured to bring it into existence, and crowned with success their most unselfish labour.

My thanks to those noble souls whose large hearts and love of truth first dreamed this wonderful dream and then realized it.

My thanks to the shower of liberal sentiments that has overflowed this platform. My thanks to this enlightened audience for their uniform kindness to me and for their appreciation of every thought that tends to smooth the friction of religions. A few jarring notes were heard from time to time in this harmony. My special thanks to them, for they have, by their striking contrast, made general harmony the sweeter.

Much has been said of the common ground of religious unity. I am not going just now to venture my own theory. But if anyone here hopes that this unity will come by the triumph of any one of the religions and the destruction of the others, to him I say, "Brother, yours is an impossible hope." Do I wish that the Christian would become Hindu? God forbids. Do I wish that the Hindu or Buddhist would become Christian? God forbids.

The seed is put in the ground, and earth and air and water are placed around it. Does the seed become the earth, or the air, or the water? No. It becomes a plant. It develops after



the law of its own growth, assimilates the air, the earth, and the water, converts them into plant substance, and grows into a plant.

Similar is the case with religion. The Christian is not to become a Hindu or a Buddhist, nor a Hindu or a Buddhist to become a Christian. But each must assimilate the spirit of the others and yet preserve his individuality and grow according to his own law of growth.

If the Parliament of Religions has shown anything to the world, it is this: It has proved to the world that holiness, purity and charity are not the exclusive possessions of any church in the world, and that every system has produced men and women of the most exalted character. In the face of this evidence, if anybody dreams of the exclusive survival of his own religion and the destruction of the others, I pity him from the bottom of my heart, and point out to him that upon the banner of every religion will soon be written in spite of resistance: "Help and not fight," "Assimilation and not Destruction," "Harmony and Peace and not Dissension." ○

## THE LIVING GOD

Swami Vivekanand

He who is in you and outside you,  
Who works through all hands,  
Who walks on all feet,  
Whose body are all ye,  
Him worship, and break other idols.

He who is at once the high and low,  
The sinner and the saint,  
Both God and worm,  
Him worship- visible, knowable, real, omnipresent,  
Break all other idols.

In whom is neither past life  
Nor future birth nor death,  
In whom we always shall have been  
And shall be one,  
Him worship. Break all other idols.

Ye fools! who neglect the living God,  
And His infinite reflections with which the world is full.

While ye run after imaginary shadows,  
That lead alone to fights and quarrels,  
Him worship, the only visible!  
Break all other idols!

## हिन्दी दिवस पर विशेष

### मातृभाषा के प्रति

निज भाषा उन्नति अहै, सब उन्नति को मूल।  
बिन निज भाषा-ज्ञान के, मित्त न हिय को सूल॥

अंग्रेजी पढ़ि के जदपि, सब गुन होत प्रवीन।  
पै निज भाषाज्ञान बिन, रहत हीन के हीन॥

उन्नति पूरी है तबहिं जब घर उन्नति होय।  
निज शरीर उन्नति किये, रहत मूढ़ सब कोय॥

निज भाषा उन्नति बिना, कबहुँ न ह्यैहें सोय।  
लाख उपाय अनेक यों भले करो किन कोय॥

इक भाषा इक जीव इक मति सब घर के लोग।  
तबै बनत है सबन सों, मित्त मूढ़ता सोग॥

और एक अति लाभ यह, या में प्रगट लखात।  
निज भाषा में कीजिए, जो विद्या की बात॥

तेहि सुनि पावै लाभ सब, बात सुनै जो कोय।  
यह गुन भाषा और महं, कबहुँ नहीं होय॥

विविध कला शिक्षा अमित, ज्ञान अनेक प्रकार।  
सब देसन से लै करहु, भाषा माहि प्रचार॥

भारत में सब भिन्न अति, ताहीं सों उत्पात।  
विविध देस मतहू विविध, भाषा विविध लखात॥

सब मिल तासों छाँड़ि कै, दूजे और उपाय।  
उन्नति भाषा की करहु, अहो भ्रातगन आय॥

-भारतेंदु हरिश्चंद्र

आधुनिक हिन्दी साहित्य के जनक

( १८५०-१८८५ )

## क़दम मिलाकर चलना होगा

-अटल बिहारी वाजपेयी  
(25 दिसम्बर 1924-16 अगस्त 2018)

बाधाएँ आती हैं आएँ  
घिरें प्रलय की घोर घटाएँ,  
पावों के नीचे अंगारे,  
सिर पर बरसें यदि ज्वालाएँ,  
निज हाथों में हँसते-हँसते,  
आग लगाकर जलना होगा।  
क़दम मिलाकर चलना होगा।

हास्य-रूदन में, तूफ़ानों में,  
अगर असंख्यक बलिदानों में,  
उद्यानों में, वीरानों में,  
अपमानों में, सम्मानों में,  
उन्नत मस्तक, उभरा सीना,  
पीड़ाओं में पलना होगा।  
क़दम मिलाकर चलना होगा।

उजियारे में, अंधकार में,  
कलकहार में, बीचधार में,  
घोरघृणा में, पूर्णप्यार में,  
क्षणिक जीत में, दीर्घ हार में,  
जीवन के शत-शत आकर्षक,  
अरमानों को ढलना होगा।  
क़दम मिलाकर चलना होगा।

सम्मुख फैलाअगर ध्येयपथ,  
प्रगति चिरंतन कैसा इति अब,  
सुस्मित हर्षित कैसा श्रमश्लथ,  
असफल, सफल समान मनोरथ,



सब कुछ देकर कुछ न मांगते,  
पावस बनकर ढलना होगा।  
क़दम मिलाकर चलना होगा।

कुछ काँटों से सज्जित जीवन,  
प्रखर प्यार से वंचित यौवन,  
नीरवता से मुखरित मधुबन,  
परहित अर्पित अपना तन-मन,  
जीवन को शत-शत आहुति में,  
जलना होगा, गलना होगा।  
क़दम मिलाकर चलना होगा।



# A Discourse by Jagadguru Swami Nischalananda Saraswati Ji Maharaj on 5th March 2018







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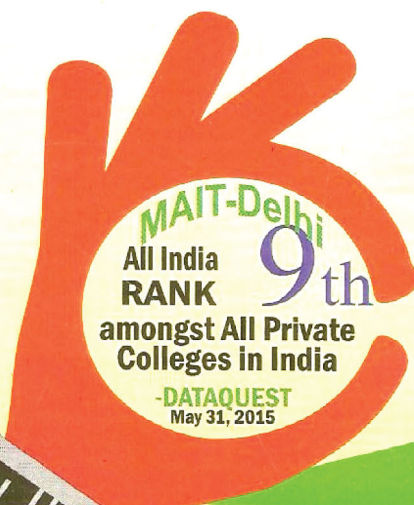
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