



From the Director's Desk

With the advent of the New Year promising new light, freshness and new heights, I feel proud to lead MNIT Jaipur in its pursuits towards excellence in varied fields.

In the present quarter the journey of learning culminated into MoUs, workshops, seminars, conferences, training programs, GIAN programs, invited lectures by distinguished speakers in diverse areas as sustainability, Unnat Bharat, chemical engineering software, applied statistics, quality control and assurance in civil engineering structures, innovative and emerging trends in civil engineering, nuclear physics, Belle analysis, complex analysis, integration of science and technology with social sciences and ethics.

The present quarter witnessed distinguished visitors including **Ms. Chitra Ramakrishna** (Chairperson BOG), **Sh. Prakash Javadekar** (Minister HRD), Padma Bhushan Padma Shree **Dr. V. K. Saraswat** (Member NITI Ayog). The institute faculty continued on the path of achievements through the outreach activities with a long list of expert lectures, workshops, research projects and paper presentations across the globe. I on behalf of MNIT family proudly congratulate Prof. S.L. Soni (Department of Mechanical Engineering) on his assignment as Director, NIT Uttarakhand and wish him success in his new endeavor.

The student co-curricular and sports activities at MNIT during the quarter added flavour to their academic excellence. A plethora of events were organised by different societies of CACS, Alumni committee, Student mentorship program enhancing their confidence and all round development. Taste of nationalism, our glorious history, staunch leaders and freedom fighters was embedded in the celebration of **National Unity Day** which included Run for Unity and Pledge taking ceremony among other activities and events. This quarter marked the observance of the **Vigilance Week** to raise the voice against corruption, and the **Constitution Day** to enhance awareness among the students and to inculcate in them a feeling to uphold it. The Institute continued to stride towards improved placements and packages.

I feel happy to conclude that **My MNIT** is constantly dreaming of and achieving new vision and new goals of technical advancement with social responsibilities.

I wish a **VERY HAPPY NEW YEAR 2018** to one and all.

Jai Hind

Prof. Udaykumar R Yaragatti



Vision

To create a center for imparting technical education of international standards and conducting research at the cutting edge of technology to meet the current and future challenges of technological development.

Mission

To create technical manpower for meeting the current and future demands of industry; To reorganize education and research in close interaction with industry with emphasis on the development of leadership qualities in the young men and women entering the portals of the Institute with sensitivity to social development and eye for opportunities for growth in the international perspective.

Unity Day Celebration



MNIT Innovation and Incubation centre in association with DST GoI, ASSOCHAM, New Delhi organized **Stakeholders consultation Meeting on Science, Technology & Innovation In Agriculture** on September 01, 2017 at MNIT. Minister of State Ministry of Agriculture and Farmers Welfare, Sudershan Bhagat was the Chief Guest of program.



Visit of Padam Bhushan Padam Shree Dr. V.K. Saraswat, Member Niti Aayog visited MNIT Jaipur.

Hon'ble HRD Minister Prakash Javadekar during the visit at MNIT Jaipur.

Workshops/Conferences/Short-Term Courses/Training Programmes Conducted

Materials Research Centre organized a one day workshop **Fluorescence Microscope** by Naveen Ahuja from Radical Scientific Equipments Pvt Ltd on Sep 2, 2017.

An awareness workshop **Sustainability of ODS Phase out, Kigali amendment and India's Way forward** was organized on September 16, 2017 by the **Department of Civil Engineering**. The workshop was sponsored by Rajasthan State Pollution Control Board and the learning material was provided by the Ministry of Environment, Forest and Climate Change. The workshop was attended by the teachers and students of more than 10 educational institutes of Jaipur. Speakers from Indian Green Building Council, Delhi University and MNIT Jaipur delivered talks on issues related to stratospheric ozone depletion.



Prof. S.C. Bhaduri, India's eminent ozone scientist delivered the keynote address. The workshop was inaugurated by Dr. Vijay Singhal, Chief

Environmental Engineer, RSPCB and Prof. Udaykumar R Yaragatti, Director, MNIT. Prof. Gunwant Sharma, Head, Dept. of Civil Engineering administered the ozone day pledge to delegates. The workshop was organized by Dr. Nivedita Kaul and Dr. Sumit Khandelwal.



One Day Workshop by Unnat Bharat Abhiyan Team MNITJ was organized at Dhab Ka Nala village on September 29, 2017. Faculty coordinators of Dhab ka Nala village, Dr. Kavita Lalwani and Dr. Ashish Kumar

Ghunawat including 35 MNIT students visited the village and performed various activities like tree plantation, school activities, e.g. sketching/painting on Apna Ghar and Swachh Gaon, quiz on fundamentals of science and environment related topics, sulekh writing /poem competition /photography competition, fun fames, nukkad natak to motivate the village people for



using toilets. A brainstorming session with the women of the village related to various training programs for entrepreneurship was also conducted. Workshop concluded with prize distribution to winning village school students.

A one week workshop **Introduction to the chemical engineering softwares (ICES-2017)** was organised by **Department of Chemical Engineering** from September 25-29, 2017. Dr. Rajeev Dohare, Dr. Madhu Agarwal and Dr. Sushant Uphaday were the coordinators and Dr. Kailash Singh and Dr. S. P. Chaurasia were the conveners of the workshop.

Centre for Energy and Environment in collaboration with IGBC-CII organized a workshop **Teachers training program for teaching sustainable building course** on Oct 4, 2017.

Mr. Manojit Majumdar and Mr. Ujjawal Joshi from MapleSoft team of Binary Semantics Limited conducted a seminar on October 6, 2017. The event was coordinated by Dr. Rashmi Jain and Dr. Ritu Agarwal of **Department of Mathematics**. The seminar was organized with the objective of increasing the understanding on all Maple products and to provide real time application experience in various departments in STEM. The program was informative and worthwhile. Students raised concerns and comments during Q&A round.



Dr. Sushant Upadhyay, Dr. Amar Patnaik, and Dr. M. L. Meena (coordinators), conducted a one week short term course **Applied statistics for experimenters (ASE-17)** during October 9-13, 2017. Prof. G.S. Dangayach, Dr. Kailash Singh and Prof. S. P. Chaurasia were the conveners of the course.



Department of Civil Engineering organized a TEQIP-III supported national workshop **Quality Control and Quality Assurance in Civil Engineering Structures** during November 2-6, 2017. Chief Guests of the conference was Dr. Raisinghani, VC of VGU and was

coordinated by Dr. R. C. Gupta and Dr. Vinay Agrawal. Sixteen participants from different engineering colleges, government departments and academic institutions attended the workshop.



Prominent speakers at the workshop included Dr. Raisinghani (key note speaker), Dr. Priyansha Mehra, Manipal University, Prof R. Nagar, Dr. Kanupriya, Dr. Rajesh Gupta, Dr. S. Shrivastava, Dr. Vinay Agrawal and Prof. R.C. Gupta (MNITJ), Mr. Satendra Kumar, give a brief idea on quality control and durability assessment in Road and Bridges. The participants were also taken to a field visit to METRO. Er. Sanjay Mundra (NCBBM) described about repair & rehabilitation of distressed structures. Er. Sanjeev Sharma from Ambuja Cement discussed about quality control in concrete structures. The workshop concluded on November 6, 2017 with distribution of certificates to the participants.



Department of Civil Engineering organized a national workshop **Innovative Trends in Civil Engineering Construction** during November 9-13, 2017. Mr. Hitesh Mogra, General Manager of Wonder Cement Ltd. was the chief guest and Mr. Prakash Sharma was the guest of honour. Dr. Vinay Agrawal and Dr. R. C. Gupta were the coordinator and convener of the course respectively. This workshop was supported by TEQIP-III, MNIT Jaipur & Wonder Cement Limited. Thirty two participants from different engineering colleges, government departments and academic institutions attended the workshop.



Eminent speakers in the workshop were: Sh. Hitesh Mogra (Wonder Cement Ltd.) explained in detail about durability of structures and construction practices; Prof. A. K. Gupta (MBM Jodhpur) discussed about masonry structures and earthquake resistant structure; Prof. M. Raisinghani (VGU) highlighted the latest trends in civil engineering structures; Dr. Kanupriya (MNITJ) introduced to Material Research Centre. The participants were also taken for a visit to MRC. Other speakers during the workshop were Dr. Priyansha Mehra (Manipal University Jaipur), Dr. S. Shrivastava, Dr. Pawan Kalla, Dr. Y.P. Mathur, Dr. Vinay Agrawal

& Dr. R.C. Gupta (MNITJ). During valedictory function on November 13, 2017 the certificates were distributed to participants.

Department of Physics and MRC organized a one day workshop **Nuclear Physics & Engineering** by Prof. Rangacharyulu Chary from Department of Physics, UoS, Canada on Nov 10, 2017.

Department of Civil Engineering organized a national conference **Emerging Trends and Developments in Civil Engineering (NCETDCE-2017)** during November 11-12, 2017. Mr. Hitesh Mogra, General Manager of Wonder Cement Ltd. was the chief guest and Mr. Prakash Sharma was the guest of honour. Dr. Vinay Agrawal and Dr. R. C. Gupta were the Conference Secretary and Chairman respectively. The conference was supported by Wonder Cement Limited. About 50 participants from different engineering colleges and academic Institutions attended the conference.



and Sh. Sanjay Mundra (NCBBM) were the prominent speakers. 26 papers were presented in the Conference. Valedictory function was held on November 12, 2017 and certificates were distributed to participants.

Sh. Hitesh Mogra, (Wonder Cement Ltd.) explained in detail about durability of structures and construction



Department of Electronics and Communications Engineering in collaboration with the Electronics & ICT Academy organized a Faculty Development Program **Photonic Integrated Devices & Systems** from November 22-26, 2017. The program was coordinated by Dr. Ashish K. Ghunawat, Dr. M. Ravi Kumar, and Dr. G. Singh.



Department of Physics organized 7th Belle Analysis Workshop (BAW-2017) from November 29 to December 2, 2017. A total of 45 participants (including Ph.D. students, postdoctoral fellows, faculty and eminent experts) working with two international experiments, Belle and Belle II at KEK (High Energy Research Organization), Japan from 11 institutes in India and

abroad, attended the workshop and presented their research work. Two international experts: Prof. Karim Trabelsi from KEK Japan and Prof. Andrezej Bozek from Institute of Nuclear Physics, Crakow, Poland participated in the workshop to train the Indian scientist in Belle Physics and Silicon Vertex Detector Software. The workshop was organized by the sponsorships from three funding agencies: SERB Delhi, TIFR Mumbai and IMSc Chennai. The workshop was organized by Dr. Kavita Lalwani.



Distinguished Visitors/Expert Lectures in the Departments/ Institute

An expert talk **Geothermal energy pile foundations for space heating/cooling** was delivered by Dr. Rao Martand Singh, University of Surrey, United Kingdom on September 20, 2017 at **Centre for Energy and Environment**.

Prof. Frank Spate and his team from Technical University of Applied Sciences, Amberg-Weiden, Germany visited **Centre for Energy and Environment** and delivered expert lecture **(Energy) Future Germany** on September 25, 2017.

A MoU was also signed between **Technical University of Applied Sciences, Amberg-Weiden, Germany and MNIT Jaipur** on September 25, 2017.

Mr. Abhay Bakre, Director General, Bureau of Energy Efficiency Ministry of Power, Govt. of India, visited building management system (BMS) and psychrometric test chamber at **Centre for Energy and Environment** on Oct 5, 2017.

Prof. S. Ponnusamy, Fellow of National Academy of Sciences, Indian Statistical Institute, Chennai Centre delivered expert lecture on **Introduction to Complex Analysis** on November 08, 2017. This event was coordinated by Dr. Rashmi Jain and Dr. Ritu Agarwal.

Dr. Vibhuti Singh Shekhawat (Department of Humanities & Social Sciences) hosted two invited lectures of Prof. Jia Haitao Professor of Political Science, Institute of Chindian Studies, Jinan University, Guangzhou, China entitled **Integration of Science and Technology with Buddhism and Sino-Indian Culture** on November 7, 2017 and the second lecture **The Potentiality of the Economic Development of India and available opportunities to Indian Engineers in China** on November 10, 2017.

Prof. Sangeeta Sharma from the University of Rajasthan, Jaipur delivered a lecture on Ethics to students of B. Tech and MBA on November 16, 2017. The topic of the address was **A Million Rupee Question**. The overall focus of the session was the need and the ways for students to make ethical decisions and to follow a moral path in life. The event was coordinated by Ms. Nanny Tripathi and Dr. Preeti Bhatt from the **Department of Humanities and Social Sciences**.



Dr. VK Saraswat, member NITI Aayog, New Delhi and Keval Kumar Sharma, secretary, Department of Higher Education, MHRD, Government of India visited the MRC.

Mnit Innovation and Incubation signed an MOU on September 27, 2017 with CG Global Crop.



Visit/Expert Lectures delivered by Institute Faculty



Dr. Ritu Agarwal (Department of Mathematics) delivered an invited talk **Solids of revolutions and their applications in engineering** at the University of Engineering and Management, Jaipur on September 04, 2017.

Dr. Vijay Navaratna Nadakuduru (Department of Metallurgical and Materials Engineering) delivered an invited talk on the topic **Synthesis of TiAl based alloys using powder metallurgy route** at Defence Institute of Advanced Technology (DIAT) Pune, on September 15, 2017.

Dr. Kavita Lalwani (Department of Physics) delivered an invited talk on **Belle II Experiment: Status & Upgrade** in the International Conference **Light Cone 2017: Frontiers in Light Hadron Front Physics: Theory & Experiments** at University of Mumbai from September 18 - 22, 2017.



Dr. Nivedita Kaul (Department of Civil Engineering) delivered an invited talk **Indoor air quality aspects in urban kitchens** in 2nd International summit, **Airothon 2** on September 20, 2017 in New Delhi. The summit was organized by the Society for Indoor Environment (SIE) of the Indian Pollution Control Association (IPCA).

Prof. S. P. Chaurasia (Chemical Engineering Department) delivered an invited lecture in Banasthali University, Rajasthan on 25.09.2017 on **Advanced Separation Techniques**.

Dr. Vivekanand (Center for Energy and Environment) delivered an invited talk on **The research needs for Norwegian companies to prove its technology in India (Clean Water Norway, India Group) - IFAT 2017**, on September 27, 2017 at Mumbai.

Dr. Kamendra Awasthi (Department of Physics) delivered an invited talk and chaired a session in the 25th POLYCHAR (World Forum on Advanced Materials) at Kuala Lumpur, Malaysia during October 9-13, 2017.



Dr. Ghanshyam Singh (Department of Electronics and Communication Engineering) visited the SPIE Student Chapter of International Laser Centre, Bratislava as an SPIE Visiting Lecturer during October 18-19, 2017. During this visit, Dr. Singh delivered a plenary talk on the inaugural session of the Photonics Day Celebration 2017 organized by the SPIE Chapter of the International Laser Centre, Bratislava on October 19, 2017 and attended other technical sessions

as well. Dr. Singh's lecture was based on recent research trends in the field of Photonics Integrated Devices and Systems. After the presentation, Dr. Singh and faculty members of ILC Bratislava went into an informal discussion about the possibilities of collaborative research between Indian and Slovakian research institutes and universities. The outline of the discussion covered joint research projects and exchange of students between the universities and research groups.

Dr. Dipti Sharma (Department of Humanities and Social Sciences) visited Reserve Bank of India Jaipur on October 27, 2017 to interact with Dr. M D Patra, Executive Director of RBI on the topic **Monetary Policy: Key factors shaping Trajectory**.



Dr. Ritu Agarwal (Department of Mathematics) delivered an invited talk **Ruscheweyh derivatives of fractional order and its applications** in the 16th Annual Meeting of Society for Special Functions & their Applications (SSFA)- International Conference on Special Functions & Applications (ICSFA-2017) and Symposium on Application of Mathematical Sciences in Engineering Problems organized by Department of Mathematics, Government College of Engineering & Technology, Bikaner (Rajasthan) during November 02- 04, 2017.



Prof. Rohit Goyal (Department of Civil Engineering) delivered an invited star seminar **Groundwater Modeling of Indira Gandhi Nahar Pariyojna (canal scheme), Rajasthan, India** on November 16, 2017 at the School of

Science & Technology, Asian Institute of Technology (AIT), Bangkok. Around 25 faculty members, Ph. D scholars, M. Sc students were present. Seminar was followed by discussions on the topic.





conservation and ecotourism centre, Chonburi, Land Development Station, Conburi, Khao Hinsorn Royal Development Study Centre, Phanomsarakham district, Khun Dan Prakarnchon Dam, Hin Tang, Muang District and Khao Yai National Park.

Faculty Achievements

Prof. S. P. Chaurasia (Department of Chemical Engineering) has been conferred with Dr. S. Hussain Zaheer Memorial Award- 2016. This annual award was given by Oil Technologists' Association of India (OTAI) for excellence in research contributions in Oil Chemistry and Technology, during the inaugural ceremony of the annual convention of OTAI held on October 30, 2017 at New Delhi.

Dr. Kavita Lalwani (Department of Physics) is awarded with EMR Research Project Award of DST-SERB, entitled **Understanding of the Quantum Chromo Dynamics (QCD) at low momentum transfer through a rare decay of light meson with experimental facility WASA-at-COSY** for three years.



Prof. S. L. Soni (Department of Mechanical Engineering) has joined as the Director National Institute of Technology, Uttarakhand.

Research....related activities

A team from South Australia including the Governor of South Australia Hon'ble Hieu Van Le AO, Minister of the State Government of South Australia Hon'ble Martin Hamilton-Smith MP, Hon'ble Sh. Surendra Goyal, Minister PHED & GWD, Govt. of Rajasthan, Hon. Karlene Maywald, Strategic Adviser, State Government of South Australia and Sh. Rajat Kumar Mishra, Principal Secretary, PHED & GWD, Govt. of Rajasthan visited MNIT Jaipur on November 8, 2017 for the launching ceremony of Water Disinfection Demo Unit as a pilot installation by Hydro-Dis, Australia at **Gargi hostel, MNIT Jaipur**. Hon. Karlene Maywald, Strategic Adviser on water issues, State Government of South Australia expressed extreme pleasure and happiness on execution of the pilot project in a short span of about eight weeks. CEO of Hydro-dis, Australia Mark Carey expressed pleasure and sense of gratitude in getting this opportunity under this partnership programme to demonstrate their patented technology regarding online electro-

chlorination for water disinfection without use of chemicals. Hon'ble Minister, PHED & GWD, Govt. of Rajasthan made announcements to grant two programmes to MNIT Jaipur as the academic partner of RaCE WaRM and WSSO Rajasthan. One related to providing training to engineers of PHED Rajasthan at a cost of approx Rs. 60.00 lacs and another regarding carrying out an impact assessment study of the RO Plants installed all over Rajasthan by the PHED at another sum of approx Rs. 60.00 lacs. The Governor of South Australia Hon'ble Hieu Van Le AO launched the Water Disinfection Demo Unit at the installation site, Gargi Hostel of MNIT Jaipur, by pressing the button on the smart phone controlling app of the unit and expressed his pleasure and happiness on the event.

Mr. Manish Kumar working under the supervision of Dr. Kavita Lalwani (**Department of Physics**) visited International Laboratory KEK (High Energy Accelerator Research Organization), Japan from September 10- November 11, 2017 to get the training for his Ph.D. thesis work: **Monte Carlo simulations, Physics Analysis and Hardware work related to Silicon Vertex Detector for Belle II** experiment at KEK.

Mr. Jaivardhan Singh (M.Tech. Renewable Energy) is awarded with ISHRAE EMERSON Student Project Grant - Post Graduate (IESPG PG) 2017.

Research paper entitled, **Experimental Study to Investigate the Effect of Water Impregnation on Thermal Performance of Earth Air Tunnel Heat Exchanger for Summer Cooling in Hot and Arid Climate**, authored by Kamal Kumar Agrawal¹, Rohit Misra^{2,*}, Tejpal Yadav³, Ghanshyam Das Agrawal⁴, Doraj Kamal Jamuwa⁵ has been accepted for publication in journal *Renewable Energy (Elsevier Publication)*

Sheetal Kumar Jain, Mitesh Varshney and **Dr. G. D. Agrawal** (2017), **CFD Simulation of Artificially Roughened Solar Air Heater Using Discrete W-shaped Ribs**, 2017 IEEE International (Biennial) Conference on Technological Advancements in Power and Energy, TAP Energy-2017. Amrita University, Amritapuri Campus, Kollam, Kerala, December 21-23, 2017. (Accepted)

Sheetal Kumar Jain, **Dr. G.D. Agrawal** and Dr. Rohit Mishra, (2017), **Review on thermal performance enhancement of Solar air heater using artificial roughness**, 2017 IEEE International (Biennial) Conference on Technological Advancements in Power and Energy, TAP Energy-2017. Amrita University, Amritapuri Campus, Kollam, Kerala, December 21-23, 2017. (Accepted).

Student related activities



Department of Civil Engineering organized **Ozone week** to celebrate 30 years of Montreal Protocol for preservation of the ozone layer, from September 11- 15, 2017. Many events like essay competition, quiz, best out of waste, street play etc. were organized for both UG and PG students to create awareness about various aspects of ozone depletion. A special awareness programme was organized for school children of Government Primary School at the MNIT Jaipur campus. Dr. Nivedita



Kaul was the coordinator of the Ozone Week.

Technical Society, CACS, organized an **Android Workshop** during 9-10, September 2017 to familiarize students with the working and outlook of the Android Apps. The workshop began with teaching to build the simple "Hello World" program and then gradually progressed towards intricate UI designing and basic

Java programming. Students showed keen interest in the workshop as the things were conveyed in a simple yet effective manner. Response from the students was overwhelming. Students were also given a project to develop weather application.

The Alumni committee (ALCOM) & MNIT Jaipur Alumni Association (MNIT-JAA) organised an invited lecture **How to Prepare for Civil Services** by Er. Rakesh Verma (Ret. IAS) on September 11, 2017. He is the



advisor to the CMO for Good Governance. He has immensely contributed towards improving the status of women and healthcare in the State. Around 250 students attended the motivational lecture with the team of alumni including Er. Sudhanshu Shekhar, Er. Anshu Rawat, Er. Jitendra Sharma and Prof. S. L. Soni. Sh. Rakesh



Verma also discussed the complete course structure for preparation. He had many tips to offer for students. He helped the students to sketch their long term and short term goals and devise a strategy to target them.



Nukkad Natak competition was organized by the **Dramatics Society, CACS** on September 15, 2017 in front of Annapurna Canteen during the Ozone Week, celebrating 30 years of Montreal Protocol. A total of 3 teams participated in the competition. Mr. Vinod Soni, a renowned actor of the television and theatre industry was invited to judge the competition. Team

Nukkadwale secured first position comprising of the UG students of first and second year. The competition was very enlightening and informative.



The Literary Society organized an **Online Story Writing Competition**. The competition was open for all staff and the students. They had to submit their stories composed within 1000 words in Hindi or English. In response, thirty five students submitted their write-ups. The stories were judged on the lines of – literature, vocabulary, expression, clarity, creativity and impact by Mrs. Nanny Tripathi and Mrs. Ambika Singh.

Technical Society, CACS organized an **Industrial Automation Workshop** during September 16-20, 2017 to introduce the students to the working and outlook of Industrial Automation. In the workshop, the students were familiarized with complete interface of PLC, HMI, SCADA, AC Drive, AC Motor, Digital I/Os with real industrial applications.

Fine Arts Society, CACS organized a competition **Pot Art** on September 18, 2017. Students were given two kinds of earthen pots which they had to design according to the theme ‘cultural attire’. About 90 participants actively took part in the event, making it a great success. The event aimed at involving students in cultural activities and also the pots prepared could be presented and can be used for decoration purposes.



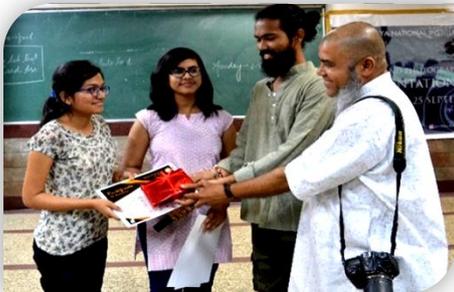
Students from **CEE, MNIT** actively participated in **Renewable Energy India Expo-2017** at Greater Noida on September 22, 2017.



A cleanliness drive was organized by **National Service Scheme-MNITJ** in the campus on September 23, 2017 and October 2, 2017 under the aegis of **Nationwide Swachhata Abhiyan-2017** with the **Swachhata hi Sewa Campaign** during September 15 to October 2, 2017. The twenty third campaign of Swachhata Abhiyan was mainly focused on MNIT hostels and surrounding areas of hostels so that a message of cleanliness can be propagated to the students.

Technical Society, CACS organized a **Website Designing Workshop** on September 23-24, 2017 to familiarize students with the front end and back end built up of a website. The prerequisites for attending the workshop were – basic knowledge of HTML, CSS, C and data structure concept. The topics covered in the workshop were: HTML-5 and CSS-3 template design and its component; JavaScript basic and scripting feature; client side and server side handling with Javascript; project requirement and its front end design with the help of HTML, CSS, and JQuery; database creating and its handling with MYSQL; Node environment setup and language-specific commands.

Jaipur visit was organized by the **Student Mentorship Program**. Fifty students departed from the Institute including a mentor and a few sub-mentors. The first destination was Jantar Mantar. The students were delighted to see astronomical instruments there. The students then headed to the Amber Fort. They appreciated the architectural beauty of the fort, located at the top of a hill. Students also spent some time at the Kanak Ghati, where senior-junior interaction took place.



The Film & Photography Club organized an orientation program for members of the club on September 25, 2017. Mr. Kartik Gorana and Mr. Shubham Hudda (alumni of the institute) from Stoned House Films were the guests in the program. They shared their experience with the students in the field of film making and photography. Around 80 students attended the program.

An orientation program by **Alumni committee** (ALCOM) was held on September 28, 2017 to introduce the newcomers about the various ongoing activities under ALCOM. The student coordinators introduced students to ALCOM and the various teams working under it. Dr. Pawan Kalla (Faculty Coordinator of Alumni Affairs, Civil engineering Dept.) graced the event with his presence. Around 250 students gathered to know about the alumni base of our institute.

A seminar on Cadaver Organ Donation was organized by **National Service Scheme MNITJ** on October 4, 2017. The seminar on Organ Donation was mainly focused on understanding society, how one can save life of 6-7 other persons after his/her death. Mr. P. C. Jain, Retired Asst. General Manager, Punjab National Bank delivered a beautiful presentation on this noble cause. Dr. H. P. Tiwari and Dr. Nitin Gupta extended their thanks to members of MFJCF Navjeevan for sharing the knowledge of Organ Donation.



A contingent represented MNIT Jaipur at **Antaragini**, IIT Kanpur. They were guided by Mrs. Simi Choudhary (**Student Welfare**). Sixty students were part of this team, with clubs Literary, Music & Dance, Dramatics, Vyaktivva Srijan, and Fine Arts Societies representing the Institute. The contingent won prizes in events such as band performance, dramatics, fashion show and quilling and received appreciable mentions in many others.



Technical Society, CACS organized a workshop on embedded system on October 28, 2017. The working of microcontrollers using embedded C and outlook of the software Proteus VSM were discussed in the workshop. The workshop began with teaching the students the basics of microcontrollers and microprocessors, the difference between microcontrollers and microprocessors, the growing advancements in the technologies related to the fragmentation of the electronic chips and the scope of this software in various fields ranging from medical, information technology to defence.

MNIT Jaipur, celebrated the birth anniversary of **Sardar Vallabhai Patel**, the Iron Man of India as the **National Unity Day** on October 31, 2017. Several events were organized by all the societies of Creative Arts and Cultural Society on this occasion.



The day began with the **Run for Unity**, at 7:30 am. The route for the run was from Prabha Bhawan (administrative block) of the Institute to the Jawahar Circle, Jaipur. Nearly 150 participants, both students and staff, took part in the Run to celebrate and propagate the message of National Integrity. The students carried forward the message "*Our culture and legacy is of unity in diversity*". A **Logo Design Competition** on the **Theme of Unity** was organized by the Fine Arts Society at the Central Lawn of the Institute. Students participated in large number enthusiastically giving a view of how they perceive 'unity' at its best. **Pledge Taking Ceremony** took place at the Prabha Bhawan in the august presence of Director Prof. Udaykumar Yaragatti. Students and faculty members took a pledge to preserve the unity, integrity and security of the nation. **Historical Essay Competition on Character and Contribution of Sardar Patel** was the next event organized by the Literary Society. Competitions for **composing and singing original songs** on the theme of Unity were organized by the Music, Dance & SPIC- MACAY Society. A short play **Baaghi:Ek sunhere kal ki**

ore was organized by Dramatics Society. As a part of the celebration with an attempt to nourish the talent of the students, the Literary Society held an **Elocution and Essay writing Competition** on the topic **Relevance and importance of Sardar Patel in today's India**. The essays were judged on the basis of content, presentation, language, and conventions. The celebrations culminated with the **Felicitation of Freedom Fighters**. Shri Rameshwar Choudhary, Shri Krishna Chandra Sahay, Shri Ramji Lal Agarwal, Shri Durga Prasad Agarwal, Sh. Vaid Raamu Saini, the valiant fighters of Jaipur city who have made a remarkable contribution in Indian freedom movement, were felicitated at their homes. The reminiscences of their struggle for freedom were recorded for inspiring the students and inculcate in them a spirit of devotion to their nation. Participants and winners of the different competitions were awarded prizes and certificates.



Literary Society organized a crime-solving spree, **Murder in Our Midst** on November 4, 2017. Around 90 teams (each consisting of 3-5 members) participated in the event. Enthusiastic participants went sprinting around the campus solving riddles and gathering clues to decipher the mystery. The event concluded successfully, instilling a sense of team spirit and logical & analytical reasoning among participants.

All India Inter NIT Athletics and Gym Tournament 2017-18 was organized at MNIT Jaipur between November 3-5, 2017. Sixteen National Institutes of Technology participated in the sports extravaganza. The event was graced by the presence of the Chief Guest Honourable Mrs. Chitra Ramakrishna (Chairperson MNITJ) and Prof. Udaykumar R. Yaragatti (Director MNITJ) as the Guest of Honour and Prof. Dilip Sharma (Dean, Student Welfare) as the Presiding Guest. Fitness is integral to one's success in life and the 3 day sports event at NIT Jaipur provided opportunities to best brains of India to flex their muscles. Students participated in 16 athletic events held for both boys and girls. Apart from these athletic events, the boys participated in the 3 gym events of weight lifting and body building. The overall winner of the tournament was MNIT Jaipur. The event in



all was successfully conducted with the help of volunteer students.

Technical Society organized **BRIDGE-O-MANIA** for students to showcase their innovative technical and designing ideas in field of civil engineering. The structures were to be designed using ice-cream sticks. 86 teams of 3 members each participated. The event consisted of two rounds. The first round consisted of a quiz and the second round was based on designing a bridge from the ice-cream sticks, gum, thread and other materials that should have light weight, sustainability and extraordinary design. The height, length, width, load test, weight test, time test and appearance were the judging criteria. The event was judged by Dr. Tarush Chandra (**Department of Architecture and Planning**).



Mr. Ramakant Sharda faculty at Jaipur Photographer's Club (JPC), delivered a guest lecture **Fundamentals of Photography** for the students on November 7, 2017. Mr. Sharda presented a session on

the basic technical skills and editing skills of photography. The session was helpful for the students who learnt many new concepts and skills.

The Film & Photography Club organized a **campus walk for photography exhibition** on November 11, 2017. The walk started from Annapurna canteen. There were 30 contestants who came to take part in the photo walk. They were guided along a particular route in the campus, covering all the important locations of the campus. Each contestant submitted their best 10 photographs clicked during the campus walk. A six members' jury was held to shortlist photographs for exhibition.

The Fine Arts Society organized **Mask Art Painting** competition on November 13, 2017 as a platform for the students to make doodles depicting the fusion of the states. The Ministry of Human Resources Development, Govt. of India, initiated **Ek Bharat Shrestha Bharat** under which states on opposite corners of the subcontinent share their cultures through creative arts. Thus, **CACS MNIT** organized the event to help bond with Assam, one of the most beautiful states in the nation. The doodles were framed using sun board and will be composed to make an art installation in the campus.



To commemorate the **Constitution Day of India (Samvidhan Divas) - 26th November**, the **Preamble and the Fundamental Duties** were read in the presence of the Director Prof. Udaykumar Yaragatti and Prof. Dilip Sharma, Dean, SW on November 27, 2017 in front of the Prabha Bhawan. The faculty, staff and students were present to celebrate the day.

Students from **CEE, MNIT** actively participated in **International Symposium to Promote Innovation and Research in Energy Efficiency (INSPIRE) 2017** at ITC Rajputana, Jaipur (Nov 27, - Dec 1, 2017).

MNIT innovation and Incubation centre organized the 5th round of new start ups selection process on Oct 25, 2017. Three companies were recommended by experts for possible incubation in MIIC; these companies were invited for incubating in MIIC.

MIIC and ED cell Mnit organized a one day event Innovatica -The Idea Hunt on November 5, 2017, a program for innovative ideas by college students from Rajasthan.

Upcoming Events

- Science Conclave 2018 by National Talent Academy in joint association with MNIT Jaipur, January 5-7, 2018.
- 12th Convocation of MNIT scheduled on January 06, 2018.
- Short Term Course on Software tools for Scientific Research: Mathematica and LaTeX by Departments of Mathematics and Mechanical Engineering, January 09-13, 2018.
- One day workshop on Indoor Environment Quality by Department of Civil Engineering and Jaipur Chapter of Society for Indoor Environment (Airothon), January 20, 2018.
- TEQIP III Sponsored Workshop on LATEX and Technical Writing to be coordinated by Dr. Meenakshi Tripathi (CSE) and Dr. Preeti Bhatt (HSS), January 24-28, 2018.
- STTP on Application of Process Simulators in Industries (APSI-2018), February 19-23, 2018.
- 19th International Symposium on Eco-materials Processing and Design (ISEPD 2018), February 21-25, 2018.
- Two Day National Conference on Recent Trends & Developments in Chemical & Env. Engineering, February 23-24, 2018.
- International Conference on Urban Sustainability: Emerging Trends, Themes, Concepts & Practices (ICUS 2018) by Department of Architecture and Planning, March 16-18, 2018.
- Third International Conference on Advances in Internet of Things and Connected Technologies, March 26-27, 2018.
- Visit of students of Center for Energy and Environment to Biogas, Wind and Solar energy plants.

