



“Malaviyaji is prafah smarniya - a sage, who if remembered early in the morning makes a man rise above the mire of mean self-centeredness.”

- MAHATMA GANDHI
FATHER OF THE NATION



Director's Message

I am happy to release the MNITJ Newsletter for the concluding quarter of the academic session 2016-17. It is my pleasure to see the campus buzzing with a plethora of academic, research, technical, cultural and sports events. These activities build the strength, teamwork and diverse dimensions of the faculty and students, who are the core of any academic institution. I feel proud to initiate a new tradition- the **Ring Presentation Ceremony** for the passing out batch as a mark of farewell and bonding of these students with their alma mater.

The students of MNIT have brought glory to their institute by bagging top positions in **GATE-2017** and **Harsh Gupta** (Chemical Engineering) made history by securing **All India Rank 1**. A team of 25 students won **second prize in Indo Asian Solar Challenge** organized by Robotics & Intelligent System Community. Yet another team of 4 students are among the six finalists of Tsinghua-Santander World Challenges of 21st Century Competition 2017- to create visionary, innovative solutions to challenges of sustainable development. At the same time MNITJ is proud at the accomplishment of **Prof. M.C. Govil & Prof. M.S. Gaur** (CSE Department) who have joined as Directors of NIT Sikkim and IIT Jammu respectively. I congratulate both the students and faculty on their achievements and wish them success in all their future endeavors. The institute faculty have also visited national and international forums during this quarter to acquire and disseminate knowledge & research.

The journey of learning and research in the form of expert talks, lectures, conferences, workshops, seminars, short term courses continued during this quarter which included varied topics as- performance excellence in electricity renewal, technical report writing & dissertation, green building practices, MATLAB, LaTeX, analog and digital communication system, electron microscopy, power electronics for smart grid, sustainable industrial development, optical wireless technologies and many more. Yet again MNIT attracted great minds who visited its portals to share their knowledge & wisdom. It is worthwhile to mention here the names of **Dr. Tessa Thomas- the missile woman of India** and Director(ASL, DRDO Hyderabad) and our Chairperson, BOG **Ms. Chitra Ramakrishna**.

I would like to conclude in the words of Nelson Mandela that *education is the most powerful weapon for changing the world* and we at NIT Jaipur are committed to bring this change through quality education.

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.





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

A workshop **Conducting online survey using QuestionPro** was organized by the **Department of Management Studies** in collaboration with QuestionPro on March 6, 2017. The main speaker of the event was Mr. Chetan Manudhane, Manager Business Development from QuestionPro. This event was coordinated by Dr. Divesh Kumar.



Workshop **Performance Excellence in Electricity Renewal (PEER)** was organized by **Centre for Energy and Environment** on March 16, 2017. The workshop was co-organized by Green Building Certification in India, Gurugram.



A workshop **Dissertation: Ways to Prepare Thesis and Present Work Effectively** was organized for the M.Tech. students of **Department of Civil Engineering** on March 27, 2017.

Lectures were organized on how to decide topic of dissertation, how to write a thesis, how to prepare an effective ppt for final exam and effective speaking skills to present the dissertation work. Dr. Pushplata from BITS Pilani delivered a talk on **Master your communication skills**. The coordinator of the workshop was Dr. Nivedita Kaul.

Workshop **Necessity and evaluation of green practices in buildings** was organized on March 29, 2017. The workshop was co-organized by **CII-IGBC, Dept. of Architecture and Centre for Energy and Environment**.

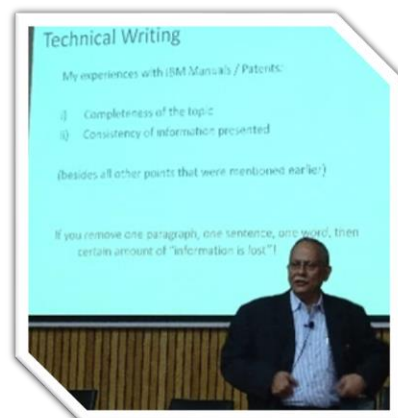
The **Department of Electrical Engineering** under the aegis of the **Electronics & ICT Academy MNIT Jaipur** organized one week training program **Principles of Control Systems Engineering: Hands on Experience with MATLAB** from March 25-29, 2017. The outcome of the training program was to outline the importance of control theory, starting with classical method of controlling the system to the current state-of-art via modern control theory concepts and introduction to non-linear control systems. The practical lab sessions on MATLAB and Simulink were conducted to appreciate control theory and its applications. Speakers at the program were from IIT Delhi, IIT Kanpur and MNIT Jaipur. The coordinators were Dr. Dipti Saxena and Dr. Satyanarayana Neeli.

A five day training program **Scanning Electron Microscopy (SEM)** was organized by **Materials Research Centre** during March 28 to April 1, 2017. The program was coordinated by Dr. Kanupriya Sachdev.

A three day training program on **X-Ray Diffraction** was organized by **Materials Research Centre** during April 13 - April 16, 2017. The program was coordinated by Dr. Amit Singh.

Department of Electronics & Communication Engineering organized a three day workshop **Technical Report writing and Authoring of Manuscripts with LaTeX** under aegis of **Electronics & ICT Academy, MNIT-Jaipur**.

Total of 61 participants registered from all over India. The expert lectures were delivered by Prof. Ravi Gorthi, LNMIIT-Jaipur, Prof. C. S. Yogananda, Chairman, TeX



Users Group India (TUG India), Mr. Gaurav Nolkha, Intel USA. Prof. Vineet Sahula, Dr. M. Ravikumar, Dr. Chitrakant Sahu and Dr. Amit M Joshi (faculties from MNITJ). The workshop was coordinated by Dr. Amit M Joshi and Dr. M. Ravikumar.



The Department of Mathematics organized a curriculum workshop on May 8-9, 2017 to review/develop syllabi/curricula of UG (B.Tech/B.Arch.) and PG (M.Sc.) courses taught by Department of Mathematics. The external experts involved were Dr. Sudhir Ghorpade, IIT Mumbai and Dr. M. I. Qureshi, Jamia Milia Islamia, Delhi.

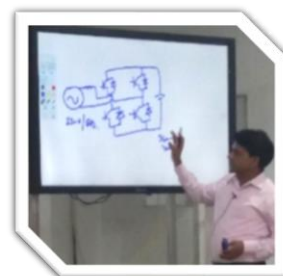


The Electronics and ICT Academy MNIT Jaipur organized a two week global faculty development program **Fundamentals of Analog and Digital Communication System** from May 13 - 26, 2017 in association with E&ICT academies at IIT Guwahati, IIT Roorkee, NIT Patna and NIT Warangal. Total 16 participants from several reputed institutions across the country participated in the course. It is first of its kind of workshop where the lectures were delivered in virtual mode over NKN class room by experts from IIT Guwahati, IIT Roorkee, MNIT Jaipur and NIT Warangal. The lab sessions were

held in offline mode at respective E&ICT academies. The FDP was coordinated by S. J. Nanda.



The Department of Electrical Engineering organised one week short term course for faculty development under E & ICT on **Power Electronics for Smart Grid and Renewable**



Energy Control from May 15-19, 2017. Dr. Arun Kumar Verma and Dr. Vijay Kumar K. were the coordinators.

An Academy Faculty Development Program Fundamentals of Computer Networks and Security was held during May 24 –June 2, 2017. The FDP was coordinated by Dr. E. S. Pilli (**Department of Computer Science and Engineering**).

Distinguished Visitors / Expert Lectures in the Departments / Institute

Dr. Enno Aufderheide, Secretary General of the Alexander von Humboldt Foundation, Germany and **Dr. Katja Hartmann**, Director Berlin-Office, visited the Institute and Department of Physics on March 10, 2017 and highlighted the various research opportunities funded by Alexander von Humboldt Foundation at Germany. This event was coordinated by Prof. S. K. Sharma and Dr. Kamalendra Awasthi.



Dr. Kevin Truman from University of Missouri - Kansas City, USA visited **Centre for Energy and Environment** for an interactive session **Higher education in USA under recent changes in foreign policy of USA** with the students and faculty of the Centre on April 6, 2017.



Prof. Helmut Habersack, University of Natural Resources and Life Sciences, Vienna, Austria held an interactive meeting with the faculty and students **Department of Civil Engineering** on April 25, 2017.



The meeting was organized by Prof. A.B. Gupta and Prof. Rohit Goyal. Possible research collaborations and sharing of knowledge was discussed during the session on many common fields of interest like watershed modeling, sediment transport, environmental modeling and contaminant transport etc. The meeting was very successful and research scholars were also greatly benefitted with discussions with Prof. Helmut.

An invited talk on **Promoting industrial projects and societal welfare through innovative membrane techniques** was delivered by Dr. S. Sridhar, Principal Scientist, CSIR-Indian Institute of Chemical Technology, Hyderabad on May 11, 2017 in the **Department of Chemical Engineering**.

Dr. P. C. Jain, Chairman, Indian Green Building Congress visited **Centre for Energy and Environment** and delivered his talk **Green building and Environment: Indian Scenario** on May 25, 2017.

An invited talk on **Green Technologies for Sustainable Industrial Development** was delivered by Dr. R.K. Jain, former director of Central Pulp and Paper Research Institute, Saharanpur on May 25, 2017 in the **Department of Chemical Engineering**.



A token of memento given to Prof. Helmut by Head, Civil Engg

Representative from Fraunhofer IWES, Germany visited MNIT on May 2, 2017 for discussion on joint research work/ PhD.

A team of faculty members from Kanodia Girls' College Jaipur visited the Language Laboratory of the Department of Humanities and Social Sciences on May 31, 2017 for the purpose of studying the lab set up and software for establishing a Language Lab. at their college.



Visit/Expert Lectures delivered by Institute Faculty

Dr. R.K. Vyas (Department of Chemical Engineering) delivered a lecture **Technology Options for the Removal of Bio-Refractory Organic Compounds (Bio-ROCs)** at the National Seminar on Environmental Management & Technology (NSEMT - 2017) organized by Department of Environmental Science, Maharaja Ganga Singh University, Bikaner, Rajasthan during March 8-9, 2017.

Dr. Jyoti Joshi (Department of Chemistry) delivered an invited lecture **An Efficient and Rapid Multicomponent 1,3-Dipolar Cycloaddition of Azomethine Ylides with Dipolarophiles: a Faster Access to Spirothiapyrrolizidines** at the 8th International Conference (I-SEEC 2017) held during 15-17 March, 2017 organized by Phranakhon Rajabhat University at Pattaya, Thailand.

Dr Sushant Upadhyaya (Department of Chemical Engineering) delivered an expert lecture **Advanced Mathematical and Computational Methods in Engineering** on March 20, 2017 in a workshop for faculty development organized at Bundelkhand Institute of Engineering & Technology, Jhansi under TEQIP II.

Dr. Kamlendra Awasthi (Department of Physics) was invited for a talk in a faculty development program on Innovative Research In Science, Engineering, Technology And Management at Bundelkhand Institute of Engineering and Technology, Jhansi (U.P.) during 21-25, March, 2017.

Prof. S.P. Chaurasia delivered a lecture **Vacuum Membrane Distillation for Water Purification** at National Conference on Desalination and Water Purification for Defence and Civil Applications at Jodhpur during March 22-23, 2017.

Dr. Deepak Verma (Department of Management Studies) conducted two sessions **Introduction to Multivariate Analysis** and **Conjoint Analysis** on March 23, 2017 at STTP on Research Methodology

organized by Department of Mechanical Engineering MNIT Jaipur.

Dr. Gunwant Sharma (Department of Chemical Engineering) delivered a key note lecture **Water Conservation for Arid and Semi arid regions of Rajasthan** in NCRTISTM organised at Compucom Institute of Technology & Management, Jaipur during March 23-24, 2017.

Dr. Nupur Tandon (Department of Humanities and Social Sciences) was invited for a panel discussion at the National Conference on Globalization, Communication, Technology and the Teaching of English at SKIT Jaipur from March 24-25, 2017. The topic of the Panel Discussion was **Literature in English or English Literature? Changing Perceptions.**



Dr. Arun Kumar Verma (Department of Electrical Engineering) was invited at MITRC Engineering College, Alwar as keynote speaker for 3rd National Conference on Advances in Communication, Computer and Electrical Engineering (ACCE-2017) on March 25, 2017.

Dr. Ritu Agarwal (Department of Mathematics) delivered a session **LaTeX in research** in the FDP titled **Principles of Control Systems Engineering: Hands on Experience with MATLAB** from March 25-29, 2017 held at MNIT Jaipur.

Dr. V. Subbaramaiah (Center for Energy and Environment) delivered an expert lecture **Waste to Energy: Catalytic Pyrolysis** in a conference on Development in Sustainable Energy & Environment Protection on March 29, 2017 at Bundelkhand Institute of Engineering and Technology, Jhansi.

Faculty Achievements

Dr. Deepak Verma (Department of Management Studies) was invited for a half-day **workshop on Exploratory Data Analysis** at SBM Institute of Management Studies, SBMN University, A. Bohar on April 22, 2017.

Dr. Arun Kumar Verma (Department of Electrical Engineering) was invited by Department of Science and Technology for National Workshop on **Mission Innovation-India Brainstorming on Smart Grid Innovation Challenge** which was held on May

22, 2017 at Indian Institute of Technology Delhi in which eminent scientists from



academia, industry and other stakeholders together discussed and deliberated in the area of smart grids and came up with a status report along with future roadmap for implementation of Mission Innovation Challenge #1: Smart Grids. Mission Innovation is a global initiative of 22 countries and the European Union to accelerate global clean energy innovation.

Dr. Arun Kumar Verma at the same time participated in **MI-India Brainstorming on Off grid access to Electricity Innovation Challenge** on May 23, 2017 at Indian Institute of Technology Delhi which included eminent experts from academia, industry and other stakeholders to discuss & deliberate in the area of off- grids and come up with a status report identifying R&D gaps and develop future roadmap for implementation of Mission Innovation Challenge off grid access to electricity.

Dr. Kapil Pareek (Center for Energy and Environment) delivered an invited talk at Short Term Course on **Renewable Energy: Technologies & Transitions** organized by School of Renewable Energy and Efficiency, NIT Kurukshetra.



Prof. M.C. Govil (Department of Computer Science and Engineering) got an offer of appointment for the post of Director, NIT Sikkim. Prof. Govil had proven record of administration and teaching. He earlier served as the Principal of Government Womens' Engineering College, Ajmer. The areas of research interest of Prof. Govil are Real Time and Critical systems, and IoTs. Prof. Govil joined NIT Sikkim on May 1, 2017 and is committed to develop NIT Sikkim as one of the leading institution.



Prof. M.S. Gaur, Professor & Head (Department of Computer Science and Engineering) received an offer for the post of Director, Indian Institute of Technology, Jammu. IIT Jammu is one of the 06 new IITs established by MHRD in the year 2015. The first batch of students of IIT Jammu was admitted in the year 2016. Prof. Gaur works in the research domains of Information and Network Security and Multi-Core Architecture. Earlier, he served as Head of the Department, CSE for three times and also Dean(SW). He has been handling a number of national and international research projects. Prof. Gaur is likely to join IIT Jammu as Director by June end 2017.

Dr. Sudhir Kashyap (Chemistry Department) has been elected as Life member to The Indian Science Congress Association (ISCA), and Indian Society of Chemists and Biologists (ISCB).

Prof. A. K. Bhargava (Department of Metallurgical and Materials Science) appointed by AICTE as member expert committee for inspection/scrutiny. The activity was conducted on March 2, 2017 at AICTE office Kanpur.

Prof. S. P. Chaurasia (**Department of Chemical Engineering**) has been elected as Secretary to the National Executive council of Indian Desalination association.

Dr. Satish Kumar (**Department of Management Studies**) was awarded “Young Faculty Award” at EET CRS South Asian Education Awards-2017 held on March 19, 2017 at Hyderabad. South Asian Education Awards are incubated by Education Expo TV (EET CRS), with the specific aim of celebrating the successes and recognizing the achievements taking place in education sector. Dr. Kumar has been given award under the category of young faculty recognizing his contribution to academics and publication.

Research....related activities

Prof. A. K. Bhargava (**Department of Metallurgical and Materials Science**) attended the **8th International Science, Social Science, Engineering and Energy Conference (I-SEEC 2017)** and presented a research paper entitled **Wear Behaviour of Indigenously Prepared Glass Particulate Filled Polycarbonate Matrix Composites** held on March 15-17, 2017 at Pattaya, Thailand.

Dr. Jyoti Joshi (**Chemistry Department**) attended the **8th International Conference (ISEEC-2017)** organized by Phranakhon Rajabhat University (PNRU), Pattaya, Thailand from March 15-17, 2017. The paper entitled **An Efficient and rapid multicomponent 1,3-dipolar cycloaddition of azomethine ylides with dipolarophiles: a faster access to spirothiapyrrolizidines** was presented by Dr. Joshi on March 15, 2017.

Dr. Sandeep Chaudhary (**Department of Chemistry**), Pradeep K. Jaiswal and Vashundhra Sharma, from the Department along with their Russian Collaborator Jaroslav I. Prikhodko, and Prof. Irina V. Mashevskaya, Department of Organic Chemistry, Perm State University, Perm, Russia, published an article entitled **“On water” ultrasound-assisted one pot efficient synthesis of functionalized 2-oxo-benzo [1, 4] oxazines: First application to the synthesis of anticancer indole alkaloid, Cephalandole A** in Elsevier Journal Tetrahedron Letters, 2017, 58(22), 2077-2083(SCI

Impact Factor: **2.379**). This paper describes the new methodology for the synthesis of bioactive 2-oxo-benzo [1, 4] oxazines class of heterocycles. This methodology was successfully demonstrated in the synthesis of anticancer indole alkaloid, Cephalandole A.

Dr. Sonalika Agarwal received DST-Women Scientist fellowship and joined Department of Physics on May 5, 2017 as a Research Scientist with Dr. Kamendra Awasthi for three years (May 17-May 20).

Paper entitled **Socio-economic Assessment of Off-grid Solar Technology Based Rural Electrification in Upla Kota, Rajasthan India** authored by Ms. Boola Chaudhary and Dr. Dipti Sharma (**Department of Humanities and Social Sciences**) was presented in the **International Conference on Engaging India and Canada: Perspectives on Sustainability** held at New Delhi during 11-12 May 2017 organised by Shastri Indo Canadian Institute New Delhi.

Dr. Nupur Tandon (**Department of Humanities and Social Sciences**) presented a paper titled **The Woman Questions** at the **International Social Sciences and Humanities Conference**



at Humboldt University, Berlin from 18-21 May, 2017.

Projects

Dr. Chitrakant Sahu (**Department of Electronics and Communication Engineering**) received a sponsored research project from Science & Engineering Research Board (SERB) titled **Fabrication, characterization and performance optimization of junctionless silicon nanowire transistor for biosensing applications.**

Dr. Manoj Kumar (**Department of Physics**), has been awarded Early Career Research Award in March 2017 by Science and Engineering Research Board (SERB), New Delhi to conduct High-pressure studies on magnetically doped topological insulators and topological superconductors. The award carries a research grant of ₹ 40.62 Lakh for three years.

Dr. Ritu Agarwal (Department of Mathematics) is awarded research project **Application of fractional calculus in the study of dynamics of cystolic calcium io9999n in astrocytes** by National Board of Higher Mathematics (Department of Atomic Energy) for three years starting from April 01, 2017.

Indian Council of Social Science Research, MHRD sanctioned a project entitled **Diffusion of Environmental Sustainability Innovations in Hotels of Rajasthan State** to Dr. Divesh Kumar (PD), Dr. Satish Kumar (Co-PD) and Dr. Deepak Verma (Co-PD). The duration of project is 2 years and the total amount sanctioned is Rs. 7,00,000/-.

Student related activities

A Final year student's team consisting of four students- Mandeep Singh Kapoor, Shobhit Singh, Sagar Netam & Pankaj Kumar Banpela of **Mechanical Engineering Department**, who graduated in 2017 have been selected among the top six finalists of **Tsinghua-Santander World Challenges of 21st Century Competition 2017** organized by Tsinghua University, China and Banco Santander. Their project name is 4KARE, which is about an exoskeleton made to reduce the pain in Knee Joint. It was their graduation project which they did under Dr. Himanshu Chaudhary. Tsinghua-Santander World Challenges of 21st Century Program is an international interdisciplinary innovation competition and workshop that brings together young people who aspire to make real impacts on truly important issues that we are facing today. Students from across the world have been invited to create visionary, innovative and unusual solutions to challenges in sustainable development of the city.



MANDEEP SINGH KAPOOR



SHOBHIT SINGH



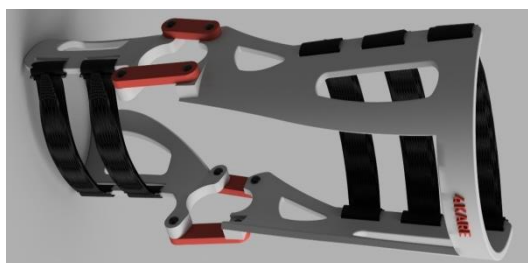
SAGAR NETAM



PANKAJ BANPELA

They would now be called to Beijing, China for a two weeks workshop from 31st July-11th August, 2017 in which they would be guided by the multidisciplinary experts during the workshop at Tsinghua University in Beijing, China, and eventually pitch their ideas and products to both online audience and the panel of judges in the forms of exhibition and presentation.

Knee Joint Design



MNIT Innovation & Incubation Center (MIIC) signed an MOU on March 21, 2017 with iBuild Hub, a corporate organization of industry professionals and is providing Pan India incubation facilities. This MOU would help to provide technical assistance, co-working space of iBuild's to incubatees, internships to students of MNIT, common online facility across the country. iBuild agreed to conduct trainings and workshops at MNIT campus.



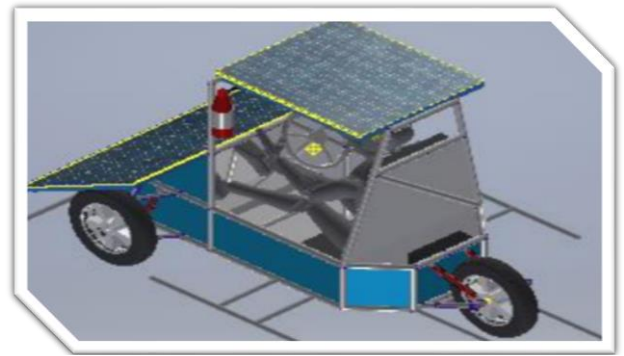
and is providing Pan India incubation facilities. This MOU would help to provide technical assistance, co-working space of iBuild's to incubatees, internships to students



History was written on March 26, 2017 by Mr. Harsh Gupta (**Final year student, Chemical Engineering Department**) on securing All India Rank 1 in GATE-2017. Other remarkable achievers included Mr. Rishabh Garg (**Chemical Engineering Department**), Bhawesh Gidwani and Ritu for securing top positions in GATE-2017. They all have brought glory to the name of MNIT. MNIT Jaipur congratulates them for their dedication and hard work. Their achievements are an inspiration for all the students.

Team XCLERATE representing MNIT Jaipur participated in Indo Asian Solar Challenge organized by Robotics and Intelligent System Community and won second prize. The event was during April 7-9, 2017. The team comprised of 25 B.Tech students from Mechanical, Electrical and Electronics Department. The team worked under the guidance of Dr. Harlal Singh Mali (Department of Mechanical Engineering) and Dr. Rajesh Kumar (Department of the Electrical Engineering). The competition aimed on designing and fabricating a solar vehicle which

could deliver optimum performance under city conditions. The competition was divided into two major parts, Virtual Round and Dynamic Round.



The team used Autodesk Fusion 360® platform for design and its validation. The team worked to fabricate a Tripod (two wheels in front, one in back) which had the capability to run on both solar and direct electric power. It just took two months for



the team to get the electric/solar car to hit the road. The single sitter vehicle used 800kW motor; 48V 50Ah battery to run on direct charging of batteries through normal power supply completed 4.5 laps in the competition, covering a distance of around 67 km. The power to weight ratio of 800kW/166 kg allowed them to score well in the event of running on solar power directly. The events at dynamic round included, technical inspection, brake test, manoeuvrability, design report presentation, sales idea presentation and endurance. The 5 days event became a success when the team bagged the 2nd position in the overall event combining the scores of virtual and dynamic round. The team was presented with a cheque of 40,000 INR.

Creative Arts and Cultural Society felicitated the officers of accounts, estate section and other officers of MNIT Jaipur on the March 8, 2017 for



their invaluable support before and during Blitzschlag'17. The guest of honour for the function was Prof. Uday Kumar Yaragatti Director, MNITJ. The proceedings began with Blitzschlag'17 report presentation by Mr. Sanidhya Raj Sharma (President, CACS). Honourable Director also shared his experience of Blitzschlag'17 and suggested some important changes which need to be implemented in the next Blitzschlag.



The program ended with a vote of thanks by Ms. Kalpana Pandit (Coordinator CACS).

A Medical and Fitness Camp was organized by Malaviya National Institute of Technology, Jaipur at village Jeerota, district Jaipur on March 25, 2017. The camp was organized by the Unnat Bharat Abhiyan team (MNIT) headed by faculty coordinators Dr. Preeti Bhatt and Dr. Raj Kumar Joshi with Mr Govind Narayan, 35 enthusiastic student volunteers and a team of doctors: Dr. Vandana Gupta and Dr. Virendra Singh Shekhawat and support staff from MNIT Dispensary. During the camp, health care, medical advice and free medicines were provided to approx. 400 residents of Jeerota village of Jaipur District.



Department of Mechanical Engineering under the aegis of 'CAM Society' in association with Autodesk® Inc. organized a student competition called **Design for Audio Technology Challenge**. In the challenge the competitors had to design new innovative design of headphones, speaker and ear phones using Autodesk® Fusion 360™ software. Event was announced on April 2, 2017. The students were given time up to April, 11 midnight. Fifty students registered for the event out of which 25 designs were selected for evaluation. The evaluation

was carried out by Faculty of MNIT Jaipur and Autodesk® nominee Mr. Jusbir



Singh based on innovations in aesthetics, comfort, mobility, performance, and personalization of the products. On April 12, 2017, the results were announced by Head of the Mechanical Engineering Department. Top 5 winners i.e. Abdul Rehman, Pankaj Kumar, Prajwal Raj Sharma, Sonu Sirsam and Vishal Jain were awarded cash prizes worth 3000 rupees each, gifts along with certificates of excellence.

While giving away the prizes to the winners and felicitating the team **XCLERATE** who won 2nd position in Indo Asian Solar Challenge-2017, under the aegis of 'CAM Society', Head of Department Prof. G.S. Dangayach formally inaugurated 'CAM Society' an Autodesk® sponsored club, active in Advanced Manufacturing & Mechatronics Lab for quite some time. CAM Society is tasked to support more and more students in design & manufacturing domain in an informal way. Dr. Harlal Singh Mali, summarized that the lab has played a major role in improving the design & manufacturing quotient of the department through its various formal and

informal activities and will do better with the support of its Technological Partner Autodesk® Inc. in times to come through skill enhancement in budding engineers truly promoting design and Make in India.



An invited guest lecture by one of esteemed alumnus of the Institute, Shri Munish Kothari, was held on April 06, 2017. It was organized by team of Alumni Committee (ALCOM). Mr. Kothari, who has served as the **Regional Director of RBI Mumbai** and founder of **Disha Financial Literacy & Counselling Centre** gave students a glimpse of his journey through the topics of deliberation **Changing Scenario in Indian Banking Sector** and **RBI Career Options for Engineering Graduates**.



Mr. Kothari cleared the doubts of students on various topics. The vote of thanks was given by Prof. Ashok Shrivastava, Department of Metallurgical & Materials Engineering. Dr. Pawan Kalla, faculty coordinator (team guest lectures & Alumni Affairs) concluded the event. The program was coordinated by Jitesh Kumar Jangir, student coordinator of team guest lectures.

Field visits of Biogas plants at M/s Brajdharm Power Pvt. Ltd (0.7 MWeq) Jaipur and Rajasthan Gau Sewa Sangh (25, 60, 80 cub m) was organized for CEE MNIT students on April 7, 2017 to help them understand the process of biogas production at industrial scale.

Miic organized **ENSPIRE 2017**- a panel discussion of successful entrepreneurs from Jaipur on April 8, 2017. These included Mr. Mrigank Gujjar - the young sixteen year old Co-founder of the start-up (Infusion Drinks) which recently got a seed funding of 3 crore rupees at IIM Indore, the panelists Mr. Rahul Mundra, co-founder of Chaisa, and, Ms. Himadri Sharma, owner of O2-The Plant Café shared their journey in a very simplified manner to the students and told any idea can become a successful business if it is done with full commitment, following structured approach which meets customer's stated and implied needs.

MNIT Innovation and Incubation Centre organized **Focus Group Discussion (FGD)** with industry experts, mentors & advisors on April 19, 2017 to design and update its policies, processes and offerings so that incubatees can focus on their ideas instead of facing initial challenges of setting up a business. The meeting focused on understanding the current entrepreneurship needs, market demands, challenges and possible solutions which can make MIIC offerings much more productive and user friendly. Experts came from CII, FICCI, SIDBI, Industry, RIICO, RVCF and other organizations.

Student Mentorship Programme MNITJ felicitated its office bearers on the April 20, 2017, celebrating their astounding success in organizing the various competitions in scholar's cup 2017. The winning teams of scholar's cup 2017 were also felicitated. The guest of honour of the event was Dr. Amit Singh (faculty coordinator, SMP). The proceedings began with annual report presentation by Shrey Jain of Mavericks Society MNIT Jaipur which was followed by the speech of Dr. Amit Singh. The programme concluded with a vote of thanks by Sudeep Sarma, mentor, SMP.



The auspicious event of the **First Ring Presentation Ceremony** for UG, PG and Ph.D passing out batch (2017) was held at the Central Lawns on April 21, 2017. It was a unique and wonderful initiative undertaken by honourable Director of MNIT, Prof. Udaykumar R. Yaragatti. The event was organized to render soulful memories to the students and with the aim to inculcate positive vibes. The program was started with the



lighting of lamp by Director Sir accompanied by DSW, Professor Dilip Sharma, Dr. Ashok Sharma, Dr. Gopal Agarwal, Dr. A.K Solanki, Dr. N.C Upadhyaya and Shri Rakesh Verma, President MNITJAA.

The journey of life at MNIT was shared by Mr. Anuj (P.G Student, CSE) Mr. Kushagra Porwal (U.G student, EE) and Ms. Vagisha Sharma (U.G student, CHE). The three retiring Professors Dr. Ashok Sharma, Dr. Gopal Agarwal, Dr. N.C Upadhyaya addressed the audience and shared their several years of teaching experience with everyone. A comedy act *Bhopali Express* was presented by a stage acting crew from Bhopal, which entertained the crowd with their hilarious drama. Dr. Uday Kumar R. Yaragatti, Director MNIT addressed and motivated the students. He inspired the students to lead a joyful life and wished them success in their career and lives.

The rings were presented to the final year UG and PG students by their respective HODs, as a mark of an eternal bond between the mentors and students. A colourful bunch of cultural events were organised at the event. The vote of thanks was given by Dr. Pawan Kalla which led to completion of this unforgettable and valuable event.



Technical Society CACS felicitated its meritorious students on the April 28, 2017, celebrating their success in the various competitions organised by the society in the academic year 2016-2017. The program commenced with the welcome of the Chief Guest for the occasion, Ms. Chitra Ramkrishna, the esteemed Chairperson, Board of Governors and guest of honour Prof. Uday Kumar Yaragatti, honourable Director, MNIT Jaipur.

Cash prizes worth Rs. 22500/- was awarded to the winners of different events during Blitzschlag'17 like Gesel bolt, Code Friday#1, Photoshop Designing Event, Code Friday#2, Bridge-o-Mania.

The programme ended with vote of thanks by Mrs. Nanny Tripathi (Associate Dean CACS), who congratulated the students on their achievement and wished them success as they stepped out of the portals of their alma mater.

Innovation Hunt program was organized by **MIIC** to promote innovations and entrepreneurship among the students of MNIT. The event was organized on May 7, 2017 in which total 14 teams made presentation to the Jury of industrial & technical experts, invited from distinguished institutions to assess the ideas. The ideas were scored based on the originality of innovations, implementation feasibility & impact of product in business/ society and were given first, second & third prizes to Saakshy Agarwal, Shanky Saxena and Nisha Yadav respectively. The **logo of MIIC** was also unveiled at the event which was designed by Mr. Bubhu Kalyan Nayak a PhD student in the Centre of Energy and Environment.



Centre for Energy and Environment launched the MNIT IGBC (Indian Green Building Congress) Student Chapter in association with CII-IGBC for promoting the green building concept.

भारत सरकार की राजभाषा नीति के अनुसरण के तहत "राजभाषा एवं प्रबंध विकास संस्थान" द्वारा सरकारी कर्मचारियों एवं अधिकारियों को भारत सरकार की राजभाषा नीति, नियमों, आदेशों एवं नये हिन्दी सॉफ्टवेयरों के बारे में प्रशिक्षण देने हेतु दिनांक 16-18 मई, 2017 को पोर्टब्लेयर (अण्डमान एवं निकोबार द्वीप समूह) में 32वें हिन्दी सम्मेलन एवं कार्यशाला का आयोजन किया गया। मालवीय राष्ट्रीय प्रौद्योगिकी संस्थान जयपुर की ओर से भी अधिकारियों एवं कर्मचारी संवर्ग से कुछ चुनिंदा सदस्य नामित किये गये जिन्होंने इस कार्यशाला में भाग लिया उनके नाम इस प्रकार हैं –डॉ. ज्योति जोशी, सह-आचार्य, रसायनशास्त्र विभाग, डॉ. राजेन्द्र कुमार दुचानिया, सहायक आचार्य, धातुकी एवं पदार्थ अभियान्त्रिकी विभाग, श्री दीप सिंह, सहायक पुस्तकालयाध्यक्ष, केन्द्रीय पुस्तकालय, श्री मधुसूदन शर्मा, अधीक्षक, निदेशक कार्यालय, श्री विजय भट्ट, कनिष्ठ सहायक, स्थापना अनुभाग, श्री लक्ष्मण सिंह, कनिष्ठ सहायक, स्थापना अनुभाग।

इस कार्यशाला में भाग लेकर न केवल राजभाषा के संदर्भ में भारत सरकार की राजभाषा नीति की विस्तृत जानकारी मिली अपितु राजभाषा के कार्यान्वयन के दौरान आने वाली समस्याओं व उनके निवारणों के बारे में भी ज्ञान प्राप्त हुआ।



Fourth round of new start ups selection process was held on May 30, 2017. Six companies had applied for incubation at MIIC and were invited to present their business idea in front of experts from governmental institutions; industries, successful entrepreneurship. Four companies were recommended by experts for possible incubation in MIIC, these companies shall be invited for incubating in MIIC.

Upcoming Events

- Training Program **Basics to Advanced NMR: Theory and Practice** to be held on 3-7 July 2017 organized by Materials Research Centre.
- ICT Academy Course **Introduction to data structures & programming in C** to be coordinated by Dr. E. S. Pilli and Dr. Santosh Kumar Vipparthi CSE during 1-10 July 2017.
- ICT Academy Course **CMOS Analog Integrated Circuit Design** to be coordinated by Prof. D. Boolchandani and Dr. Chitrakant Sahu during July 12 - 16, 2017.
- GIAN Course on **Physical-Chemical Processes for Water and Wastewater Treatment** during August 21-26, 2017

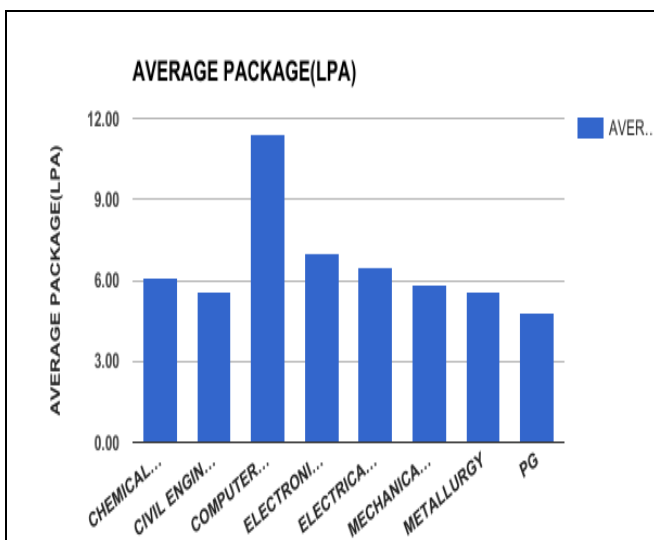


Training and Placement Statistics of 2016-17

Total Number of Companies Visited	145
Number of PPOs offered	12
Number of Placements on Campus	439
Total Number of Students placed (inc. PPO)	451

Branch wise – Placement

CSE	72
ECE	68
EE	50
MECH	65
CHEMICAL	42
CIVIL	39
METALLURGY	47
PG Courses	68
Package offered (>10lpa)	18
Package offered (<10lpa)	433
Companies offered Package > 20 Lpa	Direct I, Adobe, DE-shaw, Arcesium, Amazon.



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