



“Malaviyaji is pratah 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



From the Director's Desk

The quarter dawned with the celebration of the 156th birth anniversary of the great educationist and visionary, **Pt. Madan Mohan Malaviya**. The journey of knowledge and achievements of 1100 plus degree receiving students culminated into the proud moment of the 11th convocation being held on 21st January, 2017. The occasion was graced by the presence of **Ms. Chitra Ramkrishna**, Chairperson, BOG, MNIT Jaipur and **Prof. Ashutosh Sharma**, Secretary DST, GOI as honorable guests.

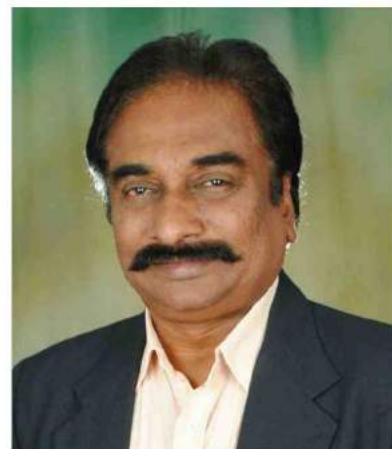
There has been a long list of academic and research activities, training programmes, workshops, conferences, seminars, academy programs, invited talks and guest lectures at various departments/ centers, on a wide range of diverse topics as soft materials, future energy storage technologies, applications of internet of things, synthetic algorithms for digital circuits and systems, basic metallurgy, communication channels for information transfer, air pollution, cooling systems, demonetization and its contents etc. **GIAN courses** on advanced biometrics authentication and de-identification for privacy and protection. The teaching and student community brought laurels to the institute by their achievements in the shape of awards and honours being conferred on them.

This quarter was marked with the peaking of the extracurricular hubbub of **Global Alumni Meet, Republic Day Celebrations, Malaviya Sports Festival, techno cultural fest Blitzschlag'17** which added flavours of reminiscence, patriotism, physical fitness, technical competitions spiced with cultural, music, dance, fashion and rocking events. **Blitzschlag**, the annual techno-cultural fest of MNIT Jaipur is one of the **biggest fests in the country**. It provides a platform to students to showcase their talents in cultural, technical, and managerial events. Such events challenges not just the talent in question, but also teaches invaluable life skills of teamwork, leadership, compassion and appreciation to the organizing students and participants – things which no theoretical lessons can teach, the sort of knowledge that proves invaluable in the long run.

To sum up the present edition of the Quarterly shows that the MNITJ family is well equipped to meet the challenges of the changing times and give their best in the service of the society as a whole.

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.



The Eleventh Convocation of MNIT Jaipur was held on Saturday, January 21, 2017. More than 1100 (55 B.Arch., 615 B.Tech., 288 M.Tech., 14 M.Planning, 43 M.Sc., 31 MBA, 57 Ph.D. scholars) degrees were awarded to the pleasure filled degree recipients. The occasion was graced by the blessings of **Ms. Chitra Ramakrishna**, Chairperson BOG and **Prof. Ashutosh Sharma**, Secretary, GOI, DST.



Energy Club CEE won **Wipro Earthian Award** receiving a cheque of 1.5 lakh from the chairperson of Wipro Mr. Azim Premji in a ceremony held at Bangalore on February 4, 2017.

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

An academy training programme **Communication Channels for Information Transfer** under the aegis of Electronics & ICT Academy was conducted by the **Department of Electronics and Communication Engineering** during 29 November - 3 December, 2016. The programme was coordinated by Dr. M. Ravi Kumar.

The 2nd **International Conference on Soft Materials (ICSM 2016)** was organized by the **Department of Physics MNIT and SMRS Jaipur** during 12-16 December, 2016. A total of 196 persons attended the conference. More than 30



multi-disciplinary groups of scientists from all over the world to promote and enhance recent achievements in the field of soft materials were invited. The conference was divided in 14 sessions. Awards were given for: Best Poster Awards 12; Best Oral Awards 4. One best poster award was sponsored by Soft Matter (RSC) UK. Coordinators of the conference were: Dr. Kamalendra Awasthi and Dr. Manoj Kumar from Dept. of Physics.

A GIAN course **Biometric Based Authentication and De-identification for Privacy Protection** was organised by the **Department of Computer Science and Engineering** during 19 - 25 December, 2016. Prof. Slobodan Ribaric from the University of Zagreb was the resource person. Forty participants from all over India benefitted from the Global Initiatives for Academic Networking.

Another GIAN course **Multimodal and Advanced Biometrics Authentication** was organised by the **Department of Computer Science and Engineering** during 2 - 11 January, 2017 with 42 participants from all over India. Dr. Ajay Kumar, Hong Kong PolyU, Hong Kong was the resource person.

Dr. Mausam, IIT Delhi and Dr. Mayank Vatsa, IIIT Delhi were the other resource persons.



Department of Management Studies conducted a training session on **Question Pro Academic Sponsorship Programme** on January 6, 2017. Thirty three faculty members and management students attended the program. The program was coordinated by Dr. Divesh Kumar.

Department of Metallurgical and Materials Engineering organized a self financed training program **Basic Metallurgy** from 7-8 January, 2017. Twenty participants from industries and academic institutions attended the workshop. The resource persons were from MNIT Jaipur. The training program was coordinated by Prof. A. K. Bhargava and Dr. Rajendra Kumar Duchaniya.



Training program on Basic Metallurgy

Department of Management Studies conducted the **Winter Research School – 2017** during 9-14 January, 2017 as a part of the second edition of its 2-part annual Research School series. A total of 43 research scholars and faculty members from management and engineering institutes from all over India attended the program. The Winter Research School -2017 was divided into 3-modules each coordinated by Dr. Satish Kumar, Dr. Deepak Verma and Dr. Divesh Kumar. The program introduced the participants to methods for conducting meaningful inquiry and research. The focus of program was to develop each participant's abilities to identify and develop research questions and develop them as a research study while

following best research practices, and finally converting such research studies into high quality publishable research work.

The Center for Energy and Environment organized a workshop **Future Energy Storage Technologies** on 13 January, 2017. The workshop was addressed by Professor Emeritus Dr.-Ing. Habil. Manfred Groll of University Stuttgart Germany, Professor SS Murthy, Indian Institute of Science-Bangalore, and Dr. P.R. Chakraborty, IIT Jodhpur as eminent speakers. The discussions covered topics as Power-to Gas: Thermochemical Energy Storage for Solar and Wind Energy dominated Electrical Power Generation, Hydrogen based Energy Storage Technologies, Flexibility options for renewable energy integrations: Energy Storage, Latent heat

Two refresher training programs of the eleventh and thirteenth batch of newly recruited PHED engineers was organized by the **Department Civil Engineering** from 5-6 February, and 12-13 February, 2017 at MNIT Jaipur. These were fully residential training programs comprising of fourteen lectures in each program, visits to environmental engineering lab of Civil Engineering Department; solar and renewable energy lab of Mechanical Engineering Department; and Mass transfer laboratory of chemical engineering department, and visit to STPs. The lectures related to organizational structures of PHED, its functioning, issues and challenges, quality testing and traditional practices of water supply, pipeline and water distribution system design, water treatment, operation and maintenance of WTPs, NRW & tariff issues, advance water treatment, checking design of water

supply systems for medium and high temperature applications, and Ambient Temperature Hydrogen storage options. Dr. Kapil Pareek and Dr. Rohit Bhakar coordinated the event.

One week long Academy Faculty Development Program **Applications of Internet of Things in Electrical & Electronics Engineering** was conducted during 28 Jan.- 1 Feb., 2017. Industry experts from R&D Team of Pantech solutions delivered the talks. The programme was inaugurated by Prof. Udaykumar R Y, Director MNIT Jaipur and Chairman Advisory Board EICT Academy. Total of 26 faculty participants attended the programme.



Group photo of 11th batch of PHED Engineers Training



Group photo of 13th batch of PHED Engineers Training

supply structures and in-situ structural health checking, rainwater harvesting, RO plants, their operations and maintenance, electrical/mechanical works at WTPs, energy audit, use of IT, digitization, SCADA systems, testing of pipes, urban vs rural issues and community based systems. The two refresher courses were attended by 23 and 24 newly recruited PHED engineers. The coordinators of the courses were Prof. A. B. Gupta, Prof. Rohit Goyal and Dr. Urmila Brighu.

One week academy training program **Synthesis Algorithms for Digital Circuits and Systems** was organized under the purview of Electronics & ICT Academy (sponsored by Department of Electronics & Information Technology (DeitY) from 11 - 15 February, 2017 at MNIT, Jaipur. The Training



programme was coordinated by Dr. Amit M Joshi and Dr. Lava Bhargava. The expert lectures were delivered by invited speaker Prof. Preeti Ranjan Panda (Professor, CSE, IIT Delhi) and internal experts Prof. Vineet Sahula, Dr. Lava Bhargava and Dr. Amit M. Joshi. Forty participants of different engineering colleges of Rajasthan and Gujarat attended the training program.

Distinguished Visitors / Expert Lectures in the Departments / Institute

An interactive **Student Lecture Series** was organized in the **Department of ECE** under the banner of SPIE Student Chapter on 5-6 Dec., 2016.



The speakers at the lecture series were Prof. Sergii Ubizskii, Vice Director and Dean of Full High Education and Dr. Buryy Oleh Anatolievych, Associate Professor at Institute of Telecommunications, Radio electronics and Electronic Engineering (ITRE), Lviv Polytechnic National University, UKRAINE, who visited MNIT Jaipur under Indo-Ukraine joint project.

Dr. Anoop Singh from Industrial and Management Studies, IIT Kanpur, delivered an invited talk **Renewable Energy Certificates** on 6 January, 2017 organized by the **Center for Energy and Environment**. He outlined the genesis of market mechanisms for supporting renewable energy and its attribute in the form of certificates.

The Student Chapter of Indian Institute of Chemical Engineers (IChE) was inaugurated at MNIT Jaipur on 12 January, 2017. The inauguration was followed by an invited talk **Contribution of Chemical Engineers to the Economic Development of India: Opportunities and Challenges** by Mr. Shyam Bang, former president of IChE and Director & CEO of Jubilant Organosys Ltd.

The **Department of Management Studies** organized an invited talk **Compensation Management** by Rakesh K Ranjan –HR Head, Vodafone Rajasthan on 25 Jan., 2017. The programme was coordinated by Dr. Monica Sharma and Dr Reeta Singh.

DePARTMENT of **Mathematics** organized two sessions of invited talks on January 27, 2017. This event was coordinated by Dr. Rashmi Jain and Dr. Ritu Agarwal. The lectures were delivered by the



renowned mathematicians Professor Ravi Sripad Kulkarni, currently working as Distinguished Professor, Bhaskaracharya Institute of Mathematics, Pune and Professor emeritus in Queens college and graduate center, New York and Professor Mahmood Ali Pathan, Ex-chairman and Professor, Department of Mathematics, Aligarh



Muslim University, Aligarh. Prof. M.A. Pathan delivered the talk on **Number theory to Lie algebra** and Professor Ravi Sripad Kulkarni talked about **Ordinary differential equations, a dynamical viewpoint**. The students and faculty members had a

great learning experience from the lectures delivered by the experts. They got to know about another form of geometry of importance, unsolved problems and research opportunities available in this field.

The SPIE student chapter team organised an invited talk **Solar cells, Materials and Modelling** delivered by Dr. Smagul Zh. Karazhanov, Senior



Researcher, Department for Solar Energy, Institute for Energy Technology, Kjeller, Norway on February, 10, 2017. Dr. Smagul Zh. Karazhanov has wide experience in the area of electrical, structural, and optical properties of materials, photovoltaic technology and smart windows, photo catalytic processes, theoretical and device modeling for solar cells etc.

Dr. S.K. Tripathi delivered lectures **Crop Water Requirement & its Assessment and Irrigation System – An overview & Remote Sensing Applications to Crop Water Management** on 11 and 13 Feb. 2017 conducted by the **Department of Civil Engineering**.

The **Department for Management Studies** invited Abhilasha Singh Rathore (DMS Alumni 2014 Batch), Manager at Vaibhav Global Limited Jaipur to interact and deliver expert talk for the management students on 16 February, 2017.



Two invited lecture sessions ***Demonetisation and its contents*** by Prof. Vijay Vir Singh, Director, NITI Aayog Chair, University of Rajasthan Jaipur and ***Budget 2017: Remonetising India*** by Prof. C.S. Barla, Retd. Professor and



Head, Department of Economics, University of Rajasthan Jaipur were held on February 20, 2017. The lecture sessions were attended by faculty and students in large numbers and were coordinated by Dr. Dipti Sharma, **Department of Humanities and Social Sciences**.

Department of Civil Engineering welcomed Dr.



Prof. A.B. Gupta, introducing the experts to audience

Diganta Das (an alumnus of MNIT Jaipur) from Chemical Engineering Department, Loughborough University, UK who leads the Process Engineering Research Group (of ~30 academics) within the



Loughborough University. Taking advantage of his availability, two lectures of Dr. Diganta Das, **Permeable Reactive Barrier and Single and multiphase flow in porous media: characterisation, monitoring, modelling and experiments** were organized for the CET 669 Contaminant Transport

course of M.Tech. (WRE) and Ph.D. students by the course coordinator Prof. Rohit Goyal. Lectures were attended by the faculty, Ph.D. and M.Tech. students who benefitted from the expertise and vast experience of the speaker.

The **Center for Energy and Environment** was visited by Dr. Sunita Narain, Director General, Centre for Science and Environment, New Delhi who delivered expert talk **Air pollution: Death by breath**. Another expert talk **Radiant cooling system** was delivered by Dr. Peter Simmonds, ASHRAE Fellow, Managing Director/Principal Building and Systems Analytics LLC, USA at the Center.

Visit/Expert Lectures delivered by Institute Faculty

Dr Vijay Janyani (**Department of ECE**) was invited to deliver a talk **Photonic Devices and Systems: Recent Developments and Future Prospects** at the National Chung Hsing University, Taichung, Taiwan during December, 2016 under SPIE VLP program.



Dr. Harlal Singh Mali (**Department of Mechanical Engineering**) was invited to chair a session in the **6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR 2016)** held during 16-18 December, 2016 at College of Engineering, Pune. A total of six research paper were selected from Advanced Manufacturing & Mechatronics Lab, MNIT Jaipur for presentation in this prestigious conference.

Dr. Kamlendra Awasthi (**Dept. of Physics**) delivered an invited talk in the **National Seminar on Instrumentation and Characterization Techniques (NSICT-2016)** at Banasthali University Banasthali, during 22-23 December, 2016.

Dr. Arun Kumar Verma (**Electrical Engineering Department**)

delivered an expert talk **Electric Vehicle (EV) integration to Grid**

on 20 Jan., 2017 at Shri Govindram Seksaria Institute of Technology and Science, Indore.



Prof. A. B. Gupta (**Department of Civil Engineering**) delivered an invited address (Co-author: Kavita Verma) on **Disinfection of sewage for its reuse in irrigation for achieving sustainability of water resources- the environmental issues** at National Symposium on **Global Environmental Challenges: Present Scenario** held on January 21, 2017 at University of Rajasthan, Jaipur.

Dr. Jyoti Joshi (**Department of Chemistry**) delivered an invited lecture **Antibacterial activities of compounds synthesized through Electro organic synthesis and Biotransformation**

method against four different strains of bacteria in the 2nd National Conference on **New Frontiers in Chemistry-from Fundamentals to Applications-II (NFCFA2017)**, organized by the BITS Pilani K K Birla Goa Campus, Goa during January 28-29, 2017.



Dr. Sudhir Kashyap (**Department of Chemistry**) delivered an invited lecture **Stereoselective Synthesis of Mannose from**

Glycols: Scope and Application of Ruthenium Catalysis in 2nd National Conference on **New Frontiers in Chemistry-from Fundamentals to Applications-II (NFCFA2017)**, organized at BITS Pilani K K Birla Goa Campus, Goa during January 28-29, 2017.



Prof. S. P. Chaurasia (Department of Chemical Engineering) was invited for expert lecture on **Vacuum Membrane Distillation: A promising Technology for Water Purification** in the International Conference on **Environmental awareness, Protection and new Challenges**, organized by St. Wilfred P.G. College Jaipur, on Feb. 4, 2017.

Dr. Dipaloy Datta, Dr. Arun Kumar and Dr. V. Subbaramaiah (Department of Chemical Engineering) along with research scholar Ms. Sakshi Batra and Ms. Shivali Arora attended a workshop **Analytical Instruments for Chemical and Environmental Engineers (WAICEE-2017)** organized by Chemical Engineering Department, Birla Institute of Technology & Science, Pilani, during February 10 - 11, 2017.

Dr. Mahesh Kumar Jat (Department of Civil Engineering) delivered a keynote address in the National seminar **Water Management in Himalayan Region (WMHR- 2017)** held at Department of Civil Engineering, Graphic Era University, Dehradun, India, on February 11, 2017.

Dr. Kamalendra Awasthi, (Dept. of Physics) was invited to present his work on polymer membranes as an invited talk in the 8th International Conference on **Advancements in Polymeric Materials APM-2017** at IISc Bengaluru during 11-13 February, 2017.

Prof. A. K. Vyas (Department of Civil Engineering) delivered an invited lecture for PG students at NIT Surathkal on Feb 14, 2017 on **Utilization of ISF Slag in Construction Sector**.

Dr. Sudhir Kashyap (Department of Chemistry) delivered an invited lecture **Ruthenium Catalyzed Stereo/Chemo/Regioselective Preparation of Mannopyranosides From Glycals** at Indo-German workshop on **Recent Applications of Carbohydrates in Chemistry and Biology (RACCB-2017)**, organized by IIT BHU, Varanasi and Max Planck Institute of Colloids and Interfaces, Berlin, Germany during February 14-16, 2017.

Dr. Kamalendra Awasthi (Department of Physics) delivered an expert lecture **Polymer nanofilters for energy and biological applications** at the National

Workshop on **Theoretical and Experimental Research Methodology in Basic and Environment Sciences** at Faculty Development Centre, Banasthali Vidyapeeth, Banasthali on 17 Feb. 2017.

Dr. Harlal Singh Mali (Department of Mechanical Engineering) chaired a session at the **International Academic Multi Disciplinary Conference (IAMDC 2017)** held during 17-18 February, 2017 at Mauritius organized by World Academic-Industry Research Collaboration Organization. A research paper was selected from Advanced Manufacturing & Mechatronics Lab, MNIT J for presentation in this prestigious conference.

Dr. Mahesh Kumar Jat (Department of Civil Engineering) delivered the Key Note speech in the Civil Track at the International Conference **Research and Innovations in Science, Engineering & Technology (ICRISET-2017)** organized by BVM Engineering College, Vallabh Vidvanagar, Anand Gujrat during 17 -19 February, 2017.



Dr. Mahesh Kumar Jat at ICRISET-2017, held at Anand, Gujrat

Prof. A B Gupta (Department of Civil Engineering) was the Guest of honour for the inaugural function of the one-Day National conference **Sustainable solid waste management, smart cities and Swatch Bharat initiative (SBSCSWMCON-17)** organized by Kautilya Institute of Technology & Engineering, Jaipur; on February 25, 2017.

Expert lecture Applications of Chemical Software was delivered by **Dr. Rajeev Kumar Dohare (Department of Chemical Engineering)** at Hindustan College of Engineering and Technology, Farah, Mathura.



Dr. Vivekanand (Center for Energy and Environment) was invited by BHU-Varanasi to deliver an expert lecture **Bioenergy: Towards sustainable organic waste management** during **ICES-2017** at BHU Varanasi.

Faculty Achievements

Prof. A. B. Gupta (Department of Civil Engineering) was nominated as a member of the **Institutional Ethics committee** of the Governmental Dental College and Hospital, RUHS, Jaipur for the clearance of research projects in 2016.

Prof. S. P. Chaurasia (Department of Chemical Engineering) has been awarded as **Fellow Member of Indian Institute of Chemical Engineers** on December 27, 2016 during **CHEMCON- 2016** held at Chennai.

Dr. Sushant Upadhyaya (Department of Chemical Engineering) has received a **best paper award** under the area of **Water Treatment and Adsorption** in **CHEMCON 2016, 69th annual session of Indian Institute of Chemical Engineers conference** held from December 27-30, 2016.

Prof. A. B. Gupta (Department of Civil Engineering) was invited as an external member of the **State audit advisory board for Rajasthan** for a two year period from January, 2017 by the PAG, Rajasthan.

Prof. A. B. Gupta (Department of Civil Engineering) was nominated as a **member of the expert panel of the DST, GOI** for evaluation of BRICS R&D proposals, 2017.

Prof. S.P. Chaurasia (Department of Chemical Engineering) has been nominated as **Convener of International Relations for Indian Institute of Chemical Engineers** for the year 2017.

Prof. P.R. Soni (Department of Metallurgical & Materials Engineering) was invited to act as **guest reviewer** by Materials Letters (Elsevier) and international journal Powder Technology (Elsevier).

Dr. N.C. Upadhyay, (Department of Metallurgical & Materials Engineering) received **Bronze Medal** and Certificate in 100 meter Running Race in Above 60 years category during **Annual Athletic Meet** held on January 14-15, 2017.

Dr. Satyasai Jagannath Nanda (Dept. of Electronics and Communication Engineering) is awarded **Visvesvaraya Young Faculty Research Fellowship** by Ministry of Electronics and Information Technology, Govt. of India.

Research...related activities

Dr. Sandeep Chaudhary, along with his Ph.D student **Mr. Mohit K. Tiwari (Department of Chemistry)** visited Laboratory of Organic and Bioorganic Chemistry, Department of Physical and Organic Chemistry (K-3), Jozef Stefan Institute, Ljubljana, Slovenia as part of DST-ARRS Indo-Slovenian joint research project during December, 2016 and January, 2017. Several joint meetings with Prof. Dr. Jernej Iskra (PI of the project) and Prof. Stojan Stavber (Co-PI of the project), regarding the progress of the joint research project were carried out. Besides a meeting with Prof. Kristof Kranjc and Prof. Franc Perdih of Department of Chemistry, University of Ljubljana, Ljubljana, Slovenia had also been carried out to discuss **future collaboration and exchange of research students**.



Dr. Sandeep Chaudhary, Prof. Dr. Jernej Iskra, Prof. Stojan Stavber, Dr. Katarina R. Starkl at "Jozef Stefan" Institute, Ljubljana, Slovenia.

Ms. Shuchi Mala, research scholar in the **Department of Civil Engineering** received an award of Rs.15000/- for securing **second position** in Category "A" (Tech-Bloggers) in **Geo-Spatial Knowledge Contest 2016** on her research idea **A Modelling Framework for Hospital Accessibility at**

Emergence: A GIS Aided Spatial Tool. The contest was conducted all over India.

Dr. Abbas Raja Naziruddin (Department of Chemistry), has co-authored a research article **Direct C-metalation of N-substituted triazoles promoted by mercury acetate** in the February issue of RSC Adv. The research paper describes a cost-effective and high yield approach to the preparation of variety of *N*-heterocyclic carbene complexes for various applications including molecular catalysis.

Dr. Dipaloy Datta, Ms. Sanjana Sah, Ms. Nikita Rawat, and Mr. Rajat Kumar (B.Tech. students of Chemical Engineering) published a research paper **Application of Magnetically Activated Carbon for the Separation of Nicotinic Acid from Aqueous Solution** in the **Journal of Chemical & Engineering Data** (IF: 1.835), 2017, 62 (2), pp. 712-719.

Research paper entitled **Wastewater treatment of handmade paper industry using fly ash as low cost adsorbent** authored by Saakshy Agarwal, Kailash Singh, A.B. Gupta & A. K. Sharma, received **young scientist award for Saakshy**, who presented the paper at the **India International Science festival 2016**, CSIR-NPL, Delhi, December 7-11, 2016.

Prof. K. R. Niazi, Sh. Praveen K Agrawal, Dr. Rajive Tiwari and Dr. Anil Swarnkar (Department of Electrical Engineering) presented their research papers in the **5th International Conference on Power Science and Engineering (ICPSE 2016)** during



December 14-17, 2016 at Venice, Italy. **Sh. Praveen Kumar Agrawal** received best paper award for his research paper **Prospectives of Day-Ahead Network Reconfiguration for Smart Distribution Systems Considering Load Diversity**. All the five research papers were selected for publication in the **International Journal of Electrical Energy**.

Dodla Sivanageswara Rao and Sudhir Kashyap (Department of Chemistry) made a Poster Presentation entitled **Stereoselective and divergent functionalization of unactivated olefins with sulfonium iodate(I) reagents** in the 2nd National Conference on **New Frontiers in Chemistry-from Fundamentals to Applications-II (NFCFA2017)** at BITS Pilani K K Birla Goa Campus, Goa during January 28-29, 2017.

Research paper
Sulfonium Bis(Acetoxy) Iodate (I) Complex Promoted Iododglycosylation of Glycol: Stereoselective Synthesis of 2-Deoxy Sugars presented by



Dodla Sivanageswara Rao, Thurpu Raghavender Reddy, and **Sudhir Kashyap (Department of Chemistry)** was awarded **Best Poster Presentation** in the Indo-German workshop on **Recent Applications of Carbohydrates in Chemistry and Biology (RACCB-2017)**, organized by IIT (BHU) Varanasi and Max Planck Institute of Colloids and Interfaces, Berlin, Germany during February 14-16, 2017.

Paper entitled **Bandgap Engineering in Nanocrystalline Silicon Powder by Mechanical Alloying** authored by Ankit Goyal and **Prof. P R Soni** was presented at Plenary session of **International Conference on Powder Metallurgy and Particulate Materials** at New Delhi during February 20-22, 2017. The paper was awarded the **Prof. G S Tendolkar award** for the best paper for innovative basic research work.

Dr. Preeti Bhatt (Department of Humanities and Social Sciences) presented a research paper **Teaching Postmodern Re-visionary Fiction** at the **10th International Conference on Psychology, Language and Teaching (ICPLT)** held from 20- 21 February, 2017 in Dubai, UAE.



Dr. Dipaloy Datta and Dr. V. Subbaramaiah (Department of Chemical Engineering) attended and presented a research paper in the 5th



International Conference on Water, Energy and Environment (ICWEE 2017) at the American University of Sharjah, Sharjah, UAE during February 28 - March 2, 2017.

Dr. Kamleendra Awasthi (Department of Physics) received **Early Career Research award** from SERB, DST-Govt. of India, New Delhi in terms of research project for three years.

Dr. Dipaloy Datta (Department of Chemical Engineering) received a research grant of Rs. 41.06 lakh (proposed) from Science and Engineering Research Board (SERB), Department of Science & Technology, Government of India for the project titled **Synthesis and Characterization of Solvent Impregnated Resins for the Treatment of Simulated Textile Dye using Ultrasonic Technology.**

Projects

Research project **Investigations on Various Unidirectional/Bi-directional Electric Vehicle (EV) Charging/Discharging Configurations for Green Electric Transportation** sponsored by DST-SERB New Delhi has been awarded to Dr. Arun Kumar Verma (**Department of Electrical Engineering**) under **Early Career Research (ECR) award** for Young Scientist in Electrical Engineering.

Dr. Rosalin Sahoo (Civil Engineering Department) have received the **DST-SERB Early Career Research Award** for pursuing the project entitled **Active Vibration Control of Smart Composite and Sandwich Structures in Hydro-thermal Environment.**

Student related activities



MNIT Jaipur celebrated **156th birth anniversary of Pandit Madan Mohan Malaviya** on December 25, 2016. Prof. Uday Kumar R Yaragatti, Director, MNIT Jaipur, inaugurated the ceremony by lighting of the lamp and garlanding the statue of Mahamama Madan Mohan Malaviya. Sh. B. K. Sharma, Alumni IIT BHU and Prof. M.K Bhargava, Retd. Prof. MNIT & Alumni, IIT-BHU graced the occasion by their presence. Deans, faculty, staff and students attended the celebrations and acknowledged the contributions of Malaviya ji in the field of education.



Institution is acknowledged by its Alumni. They are the brand ambassadors of any institute. MNIT fraternity celebrated its **Alumni Reunion** on December 25, 2016. The **Alumni Day** commenced with the inaugural of Global Alumni Meet 2016,



followed by the Golden Jubilee felicitation of 1966 entry batch and felicitation of Silver Jubilee Batch (1991 pass out batch) in the Central Lawn of the Institute. The event aimed at bringing together the alumni and students on the same platform, thereby uniting the past with the present. The celebrations started with the welcome of the Alumni with *tilak*,

safa and garlands. The Inaugural function was addressed by honorable Director Prof. Uday Kumar Y. R. and Dean Student Welfare & Alumni Affairs Prof. Dilip Sharma.

On the occasion of Makar Sakranti, a workshop **Save Birds and Bird Safety Awareness** was organized on January 12, 2017 in association with Raksha NGO to sensitize the public about the injuries to birds during kite flying. The students were also given hands on experience in providing first aid to the injured birds. The event was coordinated by Dr. Reetu Singh.

A peace rally was also organized in the morning of January 13, 2017 for creating awareness for bird safety. Posters and pamphlets with helpline numbers and kite flying guidelines were distributed to people in and around the park at Jawahar circle. Volunteers including students, faculty members and staff participated enthusiastically. Two camps for treatment of injured birds were set up in the MNIT campus.

The **68th Republic Day** celebrations witnessed on 26th January, 2017 at Prabha Bhawan inculcated a feeling of patriotism and dedication in the hearts of the students, staff and faculty members who had gathered there. The **guard of honour** and the **hoisting of the National Flag** by the Director, Prof. Udaykumar R Yaragatti were captured as the moments of national pride by one and all. In his speech, Prof. Yaragatti gave an insight on the various accomplishments of MNITJ and motivated for taking the institution to new heights and creating a great nation.



MSF hosted by MNIT Jaipur stands as one of the best sports festival of Rajasthan and its 10th edition was scheduled from 17–19 February, 2017. It was a three day sports extravaganza. The grand opening ceremony was graced by the presence of Ms. Vandana Rao Carval (Chief Guest), a former athlete and Olympian who is an epitome of human values and ethics. The Guest of Honor was Mr. Virender Poonia, a discus thrower, and the presiding guest our Director, Prof Uday Kumar Yaragatti, was a constant source of encouragement during the entire event. The MSF included a musical performance of singer Simranjeet Singh and the staging of a series of events like Nukkad, Flash mob, Stage Play, EDM by astounding International DJ – DJ Disto, hilarious performance by comedian Angad Singh Ranyal, informal events Mini Militia, Beach Volleyball & Kabaddi. The tournament concluded on the third day with prize distribution ceremony, the guest of honor was Ms. Shiba Maggon, a National Basketball Player.



The SPIE Student Chapter of MNITJ participated in the **science fare** organized by MNIT Jaipur under the **Unnat Bharat Abhiyaan** on February



18, 2017. The team explained and demonstrated various real life simple experiments based on light based technologies with hands-on experience to the young students of schools of various villages.

The **Creative Arts and Cultural Society** presented a vibrant glimpse of Rajasthan's grandest and most talked about annual techno-cultural festival of MNITJ **Blitzschlag' 17**. A three day extravaganza during 24-26 February, took place under the guidance of Prof. Dilip Sharma, Dean, Ms. Nanny Tripathi, Associate Dean, and Ar. Kalpana Pandit, Coordinator (CACS) with the able assistance and efforts of the core team of CACS student council, faculty advisors and the staff. With a thunderous line-up of cultural events and brain-wracking technical competitions topped with engaging

workshops, Blitzschlag'17 was crowd pleasing to every circle of students.

Technical events included innovative events like **aqua missile**, **make for India**, **quizon** (Mechanical Deptt.), **meta relay**, **treasure hunt**, **quizzica**, **maker's hunt** (Metallurgical Deptt.), **chem quiz**, **poster presentation** depicting ways to save the environment, **Viscometer** (Chemical Deptt.). A total of ten workshops, each of different cadre i.e. explosives, ethical hacking, industrial automation, pottery workshop and 3-D printing etc.

The Escapade Zone of Blitzschlag, with its Karaoke Arena was a major crowd puller with its fun events like Mechanical Knockout, Air Rifle, Paintball, Air Hockey and ATV Bikes.



The Entrepreneurship Development Cell organized **Startup Nivesh** where 100 teams invested in 8 startups. ED Cell also organized **Aspire: The Business Quiz**. A mannequin challenge video was also shot as part of a fun activity. The Literary Society organized **LitWit** (Literary Quiz), **Just- a Minute** and a **Parliamentary Debate**. The Dramatics Society organized **Tamasha** (nukkad natak), **Rangbhoomi** (stage play) and **Advitya** (mono act) competitions.

The Music and Dance Society held the annual Group Dance competition **Ramba Samba**. **e = mc² of MNIT Jaipur** was adjudged the winner while **Bhangra Freaks from SKIT Jaipur** bagged the second position. **Break Free** and **Dhun** were other the scintillating events of the society. The Photography club organized **Moments**, the annual photography exhibition, **Shift the click & Let's selfie** (two competitions). The Film society organized the Fifth Annual MNIT Film Festival 2017 which fetched an incredible response from all over India as well as from abroad.

The Spiritual Club organized a unique spiritual science exhibition **Adhokshaja** to rekindle the spiritual spark within by empowering over the ship of revealed scriptures using the modern way of rational inference and lateral thinking. The exhibition was inaugurated by esteemed Director Prof. Uday K Yaragatti in the gracious presence of His Grace Ananta Shesha Dasa, Vice president of The Akshaya Patra Foundation, Rajasthan and faculty coordinator Dr. Jyoti Joshi. The exhibition was successful in providing students a broad understanding of higher paradigms of the world, with the help of 43 models, a beautiful art gallery and quiz competitions accompanied by exciting prizes. From the words of Director- *No other IIT or NIT has this kind of exhibition only you have. This is a great attempt and hard work on the part of students of MNIT.*

Concevoir - the Archi-fest started off with a guest lecture by landscape architect Mahesh Paliwal and for three days showcased the artistic and crafting skills of the students.



The evenings of **Blitzschlag'17** staged **Panache** - The fashion show; mesmerizing **Bharatnatyam** performance by Padma Shri awardee **Vidushi Geeta Chandran**

organized by Spic Macay Club. In her performance she enacted various themes like the portrayal of Lord Shiva as Natrajan, and performed the "Tandav" dance of Lord Shiva.



The multitude of the Blitzschlag'17 extravaganza touched the highest notes with the young heartthrob, **Armaan Malik** gracing the fest with his melodies. He seemed to go into a blissful trance as he swept all present off their feet with his larger than life stage presence.



The crowd went into absolute frenzy as he started off with a latest Hindi track and performed such ultimate Bollywood songs like **Gulabi Aankhe, O Re Piya, Kabira**.



On the concluding day there was a great show of **Santoor Recital** by Padma Shri awardee **Pt. Bhajan Sopori**, a the legendary artist. In an hour-long captivating performance of Pt. Sopori ji accompanied by his tabla artist Ustad Akram Khan ji and pakhawaj artist Shri Rishi Upadhyay. Soon, the wind in MNIT changed its course and it seemed as if tranquility in the environment was defining the music of Santoor.

Blitzschlag'17 ended with MNIT dancing to beats of **The King of Remixes**, the audio Visual DJ show by DJ NYK.



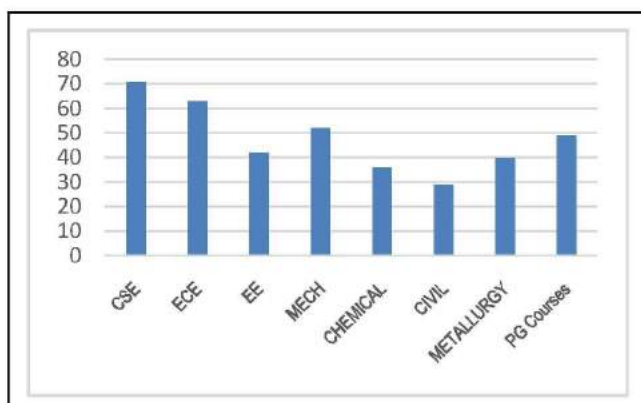
Placement & Training / Packages

Training and Placement Statistics till 27-2-2017

Total number of Companies visited	109
Number of PPOs offered	12
Number of Placements on Campus	370
Total Number of Students Placed (Inc. PPO)	382
Total number of Internships offered	54

Branch wise-Placement

CSE	71
ECE	63
EE	42
MECH	52
CHEMICAL	36
CIVIL	29
METALLURGY	40
PG Courses	49
Package offered (>10 Lpa)	44
Package offered (<10 Lpa)	338



Upcoming Events

- Greenovation 2017 a Technical Contest will be organized by Energy Club, CEE MNIT.
- Intensive 3-days workshops on Technical Report writing and Authoring of Research Manuscripts with Latex to be coordinated by Dr. A. M. Joshi, Dr. R. K. Maddila during 14th to 16th April 2017.
- Power Electronics for Smart Grid and Renewable Energy Control to be coordinated by Dr. Arun Kumar Verma & Dr. Vijay Kumar K. during 15th -19th May 2017.
- Fundamentals of Analog and Digital Communication System, to be coordinated by Dr. Satyasai J. Nanda, ECE during 13th – 22nd May 2017.
- Fundamentals of Computer Networks and Security to be coordinated by Dr. E. S. Pilli, CSE during 24th May– 02nd Jun 2017.
- VLSI Digital Circuit design to be coordinated by Dr. C. Periasamy, ECE during 03rd – 12th Jun 2017.
- Introduction to Web Development to be coordinated by Dr. Santosh K. Vipparthi during 13th – 22nd Jun 2017.
- Fundamentals of databases to be coordinated by Dr. Dinesh Gopalani, CSE during 23rd Jun – 02nd Jul 2017.
- Introduction to data structures & programming in C to be coordinated by Dr. E. S. Pilli, CSE during 01st – 10th Jul 2017
- International Conference on Advances in Internet of Things and Connected Technologies (ICIoTCT 2017), May 26-27, 2017.

EDITORIAL

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