



## Director's Message

This quarter MNIT celebrated its 10<sup>th</sup> Convocation on December 11, 2015, which was graced by Padma Vibhushan Prof. R.A. Mashelkar and Padma Shri Dr. Upendra Kaul who motivated the pleasure filled degree recipients through their convocation address on Future of Education and Work Life Balance. Prof. Mashelkar's words of appreciation for the MNIT campus as being one which is fully equipped to create bright and ambitious young talent for the nation made us all proud. Both of these luminaries appreciated the recent efforts made in creating a world class infrastructure (which is more than three times than what was created in first fifty years of existence of the institute) for imparting quality education and research.

The academic and research pursuits of various departments and centers continued to stride forward and exhibited in the form of conferences, courses, training programmes, seminars and workshops on a wide range of topics as- materials and processing, storage and safety measures of explosives, molecular science, nano materials, social welfare, effective teaching, fluid mechanics, MATLAB, design and simulation, renewable energy, digital and adaptive signal processing.

The distinguished visitors to the campus in this quarter include our esteemed Chairperson BOG, Ms. Chitra Ramkrishna (MD & CEO, NSE) who promised support in launching MNIT on a higher trajectory of academic growth and excellence. In addition we had the pleasure of hearing the words of wisdom from Padma Shri Prof. Srikumar Banerjee (Homi Bhabha Chair Professor), Prof. Kishan Lal (INSA), Padma Shri Dr. Pritam Singh, Padma Bhushan Prof. Arvind Panagariya (NITI Aayog), Prof. Jyoti Mazumder, Padma Vibhushan Prof. K. Kasturirangan (ISRO), Prof. Amitabh Ghosh and Prof. Ashutosh Sharma.

The MNIT faculty displayed their research and academic activities in the form of special and invited talks, research paper presentations, awards and honours bestowed on them at several national and international avenues. I congratulate them and encourage their quest for achieving ever increasing heights of accomplishments.

The soul of any centre of knowledge and learning lies in its students. This quarter the campus became a buzz of diverse student achievements and activities which include the Convocation ceremony, Alumni day, Republic day celebrations, Annual athletic meet, Malaviya sports tournament, Scholar's cup, Inter NIT athletics, music concerts, dramatics, fine arts and technical events.

I would conclude our efforts in the words of Albert Einstein, 'I never teach my pupils, I only provide the conditions in which they can learn.'

**Jai Hind**

**Prof. I.K. Bhat**



## 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 tenth convocation of MNITJ on 11<sup>th</sup> December 2015 was graced by **Padma Vibhushan Prof. R.A. Mashelkar**, Former Director General (CSIR) & eminent scientist and **Padma Shri Dr. Upendra Kaul**, Executive Director Academics & Research (Cardiology), Fortis Escorts Heart Institute. A total of 1177 (63 B.Arch, 740 B.Tech, 261 M.Tech/M Planning, 51 M.Sc, 27 MBA and 35 PhD) degrees were awarded. Nine UG and twenty two PG students were awarded Gold Medals. In the words of Prof. R.A. Mashelkar **MNIT has one of the best campus which is fully equipped to create bright ambitious young talent for the nation.**



**Ms. Chitra Ramkrishna, Chairperson BOG, MNIT** addresses the members of the faculty on her 1<sup>st</sup> visit to the Institute



Chairperson visited Data Centre at Central Computer Centre, Prabha Bhawan accompanied by **Prof. I.K. Bhat Director, MNIT** and **Dr. Sanjay Rajpal** Coordinator, Computer Centre.



Mitsubishi Electric India signed a Memorandum of Understanding with MNIT, Jaipur on 20th January 2016, and handed over PLC kits for the students of MNIT.



A MoU was signed by **Prof. I. K. Bhat, Director, MNIT** Jaipur and IIIT Kota with representatives of TuV and CAIRN Industries on February 22, 2016 at MNIT Jaipur.

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

**A** Conference on **Advanced Materials and Processing** (CAMP-2015) was organized by **Departments of Metallurgical and Materials Engineering, Physics and Chemistry** from 2-4 Dec. 2015. Academicians and scientists from all over the country presented researches on the correlation of synthesis, structure and properties of the novel materials. The organizing team consisted of Prof. S.K.Biswas, Chairman, Dr. R. Singhal, Secretary, Dr. V. Kumar & Dr. S. Meher, Coordinators and eleven faculty members under the patronage of Prof. I.K.Bhat, Director MNIT. Padmashree Prof. Srikumar Banerjee, Homi Bhabha Chair Professor, Department of Atomic Energy was the Chief Guest and Guest of Honour was Prof. Krishan Lal, former President Indian National Science Academy. The conference platformed 12 invited lectures, 21 oral presentations and plenary lectures by Prof. S. Banerjee and Prof. K. Lal. 50 participants from all over India participated in the conference.



*Prof. Srikumar Banerjee presenting the inaugural address in CAMP-2015*

**T**he **Department of Chemical Engineering** in association with Indian Institute of Chemical Engineers, Jaipur Regional Center organized a workshop **Storage & Safety of Explosives & Petroleum Products** on 4-5 Dec. 2015. Er. Ajay Nigam, former Chief Controller from Petroleum & Explosives Safety Organization (PESO), Govt. of India was the Chief Guest. Dr. A.P. Singh, Dy Chief Controller, PESO, Rajasthan was the Guest of Honour. The function was presided over by Prof. I. K. Bhat, Director MNIT. Prof. S. P. Chaurasia, Dr. Madhu

Agarwal, Dr. Sushant Upadhyaya and Dr. R.K. Dohare were the Conveners of the workshop. Shri S.L. Arora, (Chairman of IICHE JRC), HOD Chemical Engineering, faculty members and students of MNIT Jaipur, officers from PESO, IICHE JRC members and industry representatives participated in the workshop. Visit of participants to IOCL oil terminals at Chaksu and Mohanpura was also organized.

**A**n International symposium, **Frontiers of Molecular Science and Technology** was organized by **Materials Research Centre** from 5-6 December, 2015. Dr. Kuei-Hsien Chen, Dy. Director, Institute of Atomic & Molecular Sciences, Academia Sinica, National Taiwan University, Taipei, Taiwan; **Dr. Ching-Ming Wei**, Institute of Atomic and Molecular Sciences, Academia Sinica, Taipei, Taiwan; **Dr. A.K. Nayak**, Scientist H<sup>+</sup>, Head, Reactor Engineering Division BARC, Mumbai-India and Dr. Ryoji Funahashi National Institute of Advanced Industrial Science and Technology, Osaka, Japan were the key speakers. The symposium was coordinated by Dr. R.K.Duchaniya and Dr. M.L.Meena.



*Dr. Kuei-Hsien Chen delivering a talk*

**A** Short Term Course, **Nanomaterials : processing and applications** was organized by **MRC** from Dec. 7-11, 2015 and was coordinated by Dr. R. K. Duchaniya, **Department of Metallurgical and Materials Engineering**.

**A** two week Advanced Training in Mathematics Workshop, **Instructional School for Teachers on Algebra** was organized by the **Department of Mathematics** during December 7-19, 2015. Dr. Sudhir Ghorpade and Dr. H. Ananthnarayan from IIT Bombay were the guests of honour of the inaugural session. They were also the key speakers during the first week. Other experts of the workshop were Dr. Hariharan, Prof. J. K. Verma (IIT Bombay) and Dr.

Indranath Sengupta (IIT Gandhinagar). The lecture sessions were followed by tutorial sessions. The ATM workshop was coordinated by Dr. Rashmi Jain, Dr. Jugal Verma and Dr. Ritu Agarwal.

**A** Curriculum Development Workshop was organized by Dr. Preeti Bhatt **Department of Humanities and Social Sciences** to revise and update the P.G. Elective course **Building Language Skills** on Dec. 7, 2015. The Resource Persons for the Workshop were Prof. Sudha Shastri from IIT Bombay, Mr. Shashwat Kulshreshtha from Cairn India, and Ms Snigdha Gupta from Delhivery, Gurgaon.



*Curriculum Development Workshop in the Department of HSS*

**A** STTP, Performance Enhancement Of Large Scale Social Welfare Schemes using Work Study and Ergonomics was conducted by **Department of Mechanical Engineering** and **Department of**



**Management Studies** in collaboration with National Institute of Technical Teachers Training and Research, Chandigarh from 14-18 Dec., 2015. The programme was coordinated by Prof. Awadhesh Bhardwaj and Dr. Monica Sharma and was inaugurated by Prof. I.K. Bhat, Director MNIT. The Guest of Honour was Prof. M.P. Poonia, Director NITTR. Eminent faculty members, officials from governmental agencies and industry experts delivered talks on various issues like social welfare schemes running in India, work measurement methods and ergonomic intervention in social welfare schemes. More than 35 participants from teaching institutes in Rajasthan and industry delegates attended the five days programme.

**A** five day FDP on **Effective Teaching** was organized by **Department of Management Studies** and **Department of Metallurgical & Materials Engineering** and was sponsored by NITTR, Chandigarh

from 14-18, December 2015. Around 30 faculty members participated from the various engineering and management institutes of Rajasthan, Haryana, Karnataka and Maharashtra. This FDP focused on understanding the psychology of the students; inducing effective methods of teaching; encouraging outcome based learning and introducing various aspects of teacher-student relationship. The FDP was enriched with lectures by Dr. Vidhu Gaur, MDI Gurgaon; Dr. Suresh Jhakar, Dr. S.K. Pandey IIM Rohtak; Dr. Prabhat Pankaj, Director Jaipuria Institute of Technology; Prof. Vinay Nangia from IIT Roorkee, Mr. Harinder Makkar, Ministry of Home Affairs; Dr. E S Pilli, Prof. C.P. Sharma and Dr. Deepak Verma from MNIT Jaipur. The FDP was coordinated by Dr. Satish Kumar, Prof. Upender Pandel and Dr. R K Duchaniya.



*Prof. V.K. Nangia, Professor, IIT Roorkee taking session on Effective Teaching*

**The 60<sup>th</sup> International Conference of Indian Society of Theoretical and Applied Mechanics** was organized by the **Department of Mechanical Engineering**

during 16-19 December, 2015. Nearly 220 participants and 25 experts from India and abroad attended this

Annual Conference and a total of 180 research papers in the different areas of Applied Solid and Fluid Mechanics were presented in three parallel sessions during the 4 days of the conference. Besides, fifteen expert talks, five memorial lectures were delivered by



Prof. Yuli D. Chashechkin (Russia), Prof. Shigeo Kimura (Japan), Prof. Karan S. Surana (USA), Prof. J. N.



Reddy (USA) and Prof. Romesh Batra (USA) to commemorate, respectively, Prof. A.S. Gupta, Prof. G.I. Taylor, Prof. B. R. Sheth, Prof. P. L. Bhatnagar and

Prof. B. Karunes. On completion of 60 years by ISTAM, a special lecture was delivered by Prof. Tarun Kant (IIT Bombay). The conference was inaugurated and proceedings released by Dr. Hari Gautam, former Chairman, UGC & former Vice Chancellor, Banaras Hindu University Varanasi. Prof. T Amarnath & Prof. P

V S N Murthy, (President & Secretary ISTAM) also attended the conference. Prof. Dilip Sharma and Dr. Dinesh Kumar were the Organizing Chairman and the Organizing Secretary of this conference.

**Department of Mathematics** organized a one week **STC, MATLAB, A Tool in Research** from December 24-28, 2015. Nearly 100 participants from different parts of the country and from diverse areas namely ME, EE, IT, CH, CP, CE, ECE, MCA, Physics, Chemistry, Mathematics and Medicine attended the Course. Professionals from Industry and Dy. Director, National Power Training Institute Faridabad also attended the course which was coordinated by Dr. Nilama Gupta, Dr. Santosh Chaudhary and Dr. Ritu Sharma.



An industry sponsored two day short term training program, **Autodesk® Fusion 360: Advanced Simulation** was organized by the **Mechanical Engineering Department** from 9-10, January 2016. The workshop was coordinated by Dr. Harlal Singh Mali, 35 participants benefitted. One student Arvind Rathore was selected to represent MNIT in the fully sponsored one week 'World Skills' bootcamp organized at Bangalore.

**Department of Electrical Engineering** organized a two day workshop on **Renewable Energy Sources** from 16-17 January, 2016 . This self sponsored workshop was coordinated by Dr. Vijayakumar K. The workshop aimed at discussing and identifying potential problems in renewable energy technologies and included hands on training to the participants.

One week Academy Training Program, **VLSI Digital Signal Processing System** was conducted under purview of DeitY sponsored Electronics & ICT Academy from 23-27 January, 2016. The training programme was coordinated by Dr. Amit M Joshi, Dr. Lava Bhargava and Prof. Vineet Sahula. The Academy programme was inaugurated by Dr. SP Kochhar, Retd. CEO, Telecom Sector Skill Council and was presided over by the Director Prof. I.K.Bhat. Prof. M. Chakraborty (IIT Kharagpur) was the Guest of

Honour. A total of 40 delegates from different engineering colleges of Rajasthan and

Gujarat participated. The expert lectures were delivered by Prof. M. Chakraborty (IIT Kharagpur), Dr. Noor Mahammad Sk (IITDM Chennai), Dr. Atanendu Sekhar Mandal (Chief Scientist), Dr. Abhijit Karmakar (Sr. Scientist CEERI Pilani), Dr. Kota Solomon Raju (Principal Scientist), Prof. Vineet Sahula, Dr. Lava Bhargava, Dr. S.J. Nanda and Dr. Amit M Joshi (MNITJ).



**The Electronics and ICT Academy MNIT Jaipur** organized a one week Academy Training Program, **Adaptive Signal Processing Theory**

**and Applications** from 26<sup>th</sup> Feb. - 1<sup>st</sup> March, 2016. Dr. S. J. Nanda was the coordinator of the event. Prof. G. Panda (IIT Bhubaneswar), Dr. P. M. Pradhan (IIT Roorkee), Dr. N. V. George (IIT Gandhinagar) and Dr. S. S. Sahu (BIT Mesra, Ranchi) were the keynote speakers. The program was inaugurated by Prof. V.



Sinha. Faculty members, PhD Scholars and Master students from various engineering colleges of Rajasthan and Gujarat participated in the event.

## Distinguished Visitors/ Expert Lectures in the Institute/ Departments

An invited talk, **Public policy making in India and influence of new globalized world** was delivered by Dr. Rahul Tripathi (Goa University). The lecture was organized and coordinated by Dr. Vibhuti Singh Shekhawat (**Department of Humanities & Social Sciences**).

Two Special Lectures, **Energy, Environment & Sustainability** by Padma Shri Prof. Srikumar Banerjee, DAE Homi Bhabha Chair Professor & Former Chairman, Atomic Energy Commission and, **Advanced Materials & Processing** by Prof. Krishan Lal, President, Association of Academics and Societies of Sciences in Asia (AASSA), Visiting Professor, Cluster Innovation Centre, University of Delhi, and Former President, INSA were organized on 2<sup>nd</sup> December, 2015.

Padma Vibhushan Prof. R.A. Mashelkar, Former Director General (CSIR) and Padma Shri Dr. Upendra Kaul, Executive Director, Fortis Escorts Heart Institute delivered the Convocation address, **Future of Education** and **Work Life Balance** respectively on 11 December, 2015.



Padma Shri Dr. Pritam Singh visited MNIT on 22-Dec-15 and addressed the faculty members on **Challenges to Management Education**.

Padma Bhushan Prof. Arvind Panagariya, renowned economist and Vice Chairman NITI Aayog, delivered a Special Lecture on **A Path to Prosperous India** on Dec. 23, 2015. The programme was organised by Prof. Ashok Bapna and coordinated by Dr. Dipti Sharma.



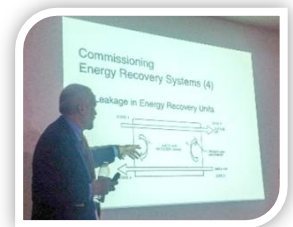
A Workshop on **Laser processing of materials** was organised by Dr. Kanupriya Sachdeva (MRC) on

Dec. 29, 2015. The distinguished speakers in the workshop were Prof. Jyoti Mazumder and Prof. Robert H. Lurie, Professor of Engineering University of Michigan.

A lecture on **Green Nanotechnology for Effluent Treatment** by Dr. P.K.Khanna, PDF:UK was organized in the **Department of Civil Engineering** on January 12, 2016.

An invited lecture, **3D Analysis in GIS and DEM Applications** was organized in the **Department of Civil Engineering** on 13 Jan. 2016. Dr. Ashutosh Bhardwaj, Scientist, Indian Institute of Remote Sensing, Dehradun delivered the lecture.

The Centre for Energy and Environment hosted a guest lecture, **Air to air energy recovery systems** by Mr. Hoy Bohanon, President Hoy Bohanon Engineering PLLC, USA on 18 Jan, 2016.



An invited talk was organized in the **Department of Electrical Engineering** on January 20, 2016 on **How do people understand their energy behaviour**.

The talk was delivered by Dr. Ian Walker, University of Bath, UK. The lecture was attended by over 100



participants, including faculty, UG PG students and research scholars from various departments. The talk was followed by a lively question and answer session. Dr. Rohit Bhakar coordinated the event.

Prof. Amitabha Ghosh, Platinum Jubilee Senior Scientist, The National Academy of Sciences, India & Honorary Distinguished Professor, Indian Institute of Engineering Science & Technology, Shibpur visited the Institute on 21-23 Jan. 2016 and shared his views on **Scaling laws - the Science of Miniaturisation: the Engineering of the Future** and **Establishing Ancient Indian Chronology through Astronomical References in Vedic and Puranic Scriptures**.

MNIT got the honour of welcoming Padma Vibhushan Prof. K. Kasturirangan (ISRO) on January



22, 2016 to deliver a Special Lecture on **Space- An Innovative route to multi-dimensional development.**

An invited lecture, **Land Slides as Natural Disaster** was organized in the **Department of Civil Engineering** on 2<sup>nd</sup> Feb, 2016. Dr. S. K. Wadhawan, Ex. Director General, Geological Survey of India delivered the talk. Dr. Wadhawan is a renowned scientist and have contributed significantly in the area of hydrogeology, geological surveys in Natural Hazards assessment and Analysis. Event was coordinated by Dr. Mahesh Kumar Jat.

A Lecture-cum-Demonstration of the Sitar by Dr Shiva Vyas, Sitarist of international fame, was organized by the Music Society on Feb. 3<sup>rd</sup>, 2016. During the lecture, Dr. Vyas explained the basics of Hindustani classical music and the intricacies of the musical instrument Sitar. She also demonstrated Rag Rageshwari to the audience who greatly appreciated the programme.



Prof. Ashutosh Sharma, Secretary, DST-Govt. of India visited our campus on 7<sup>th</sup> Feb. 2016 and motivated by his popular talk on **Reflection on Innovation, Science and Education.** He visited the computer center and major research



facilities of Institute in various laboratories. Prof. Sharma appreciated the facilities and ongoing research work and interacted with faculty members and research scholars during poster session.

The **Centre for Energy and Environment** hosted a guest lecture, **Energy efficiency pumping systems** by Mr.

Surendra Mathur, President Indian Plumbing Association, Rajasthan Section on 11 Feb, 2016.



Prof. Tammy L. Haut Donahue, Colorado State University and Prof. Sheryl Sorby of Engineering



Innovation Department, Ohio State University along with their colleagues Ms. Kristine Fischenich and Dr. Elizabeth Riter respectively, visited **Mechanical Engineering Department** on 23<sup>th</sup> Feb 2016. Their tour was organised by Dr. Harlal Singh Mali. Four students, two each from the OSU & CSU will be working in Advance Manufacturing & Mechatronics Laboratory of the Mechanical Engineering Department for twelve weeks in the summer of 2016, under a NSF, USA project in collaboration the OSU, CSU, MNIT and SDMHS Jaipur.

Mr. D.C. Jain, (Additional Director General of Police, Govt. of Rajasthan) MNIT alumnus, delivered a lecture on February 29, 2016 to enlighten students who are preparing for Civil Services and also focused on various fields pertaining to government jobs.



### Visit/ Expert Lectures and Research presented by Institute Faculty

Dr. Subbaramaiah V (**Department of Chemical Engineering**) delivered an expert lecture, **Safety aspects in Process Industries.** on 4<sup>th</sup> December, 2016 at MNIT Jaipur,

Dr. Ghanshyam Singh (**Principal Investigator**) and Dr. Vijay Janyani (**Co-PI**) visited Lviv National Polytechnique Institute, Lviv (Ukraine) from December 7 - 19, 2015 to work with partner researchers on the India-Ukraine Inter-Governmental Science & Technology Cooperation Programme, **Modeling and characterization of Lithium Niobate based optical devices using surface geometric techniques for their applications in Integrated Optical Circuits (IOCs).**

Dr. Kamalendra Awasthi (**Department of Physics**) delivered an invited talk on **Block copolymer based membranes for hydrogen purification** in an International Indo-German Workshop on Advanced

Materials Challenges for Alternative Energy Solutions at New Delhi during 18-19 December, 2015.

**Dr. M M Sharma (Department of Electronics & Communication Engineering)** delivered an invited talk at IEEE International Workshop on **Antenna, Innovations, and Modern Technologies 2015** at Ahmedabad from 26-27 December 2015.

**Dr. Dipti Sharma (Department of Humanities & Social Sciences)** presented a paper, **Solar Energy for Sustainable Growth and Employment Generation in Rural Rajasthan: A Case Study** in the 98<sup>th</sup> Annual Conference of the Indian Economic Association organised by Centre for Economic & Social Studies at Hyderabad from 27-29 Dec., 2015.

**Prof. S. P. Chaurasia (Department of Chemical Engineering)** attended an International Workshop on Desalination at Andhra University, Vizag during Jan. 29-31 and delivered an invited lecture in this Workshop on **Membrane Distillation : An Emerging Technology for Water Purification.**

**Dr. M.M. Sharma (Department of ECE)** visited Institute for Plasma Research Gandhi Nagar and Space Aviation Centre, ISRO Ahmedabad from 4-5 February 2016.

**Dr. Sandeep Chaudhary (Department of Chemistry)** delivered an invited lecture entitled, **Perspective and Challenges in Antimalarial Chemotherapy: Design and Synthesis of Novel Artemisinin Analogues as Antimalarials** at the 22<sup>nd</sup> ISCB International Conference on "Recent Trends in Affordable and Sustainable Drug Discovery and Developments" held at Uka Tarsadia University, Bardoli, Surat, India on 6 Feb, 2016.

**Dr. Sandeep Chaudhary (Department of Chemistry)** was invited by the Department of Chemistry, Sardar Vallabhbhai National Institute of Technology, Surat on 9 Feb, 2016 for an invited lecture on **Discovery of Artemisinin as Nobel Medicine: A Gift from Traditional Chinese Herb Artemisia Annua.**



**Dr. Preeti Bhatt (Department of Humanities and Social Sciences)** delivered an Expert

Lecture on **Resume Writing** on February 10, 2016, in the one-week National Workshop on Soft Skills from Classroom to Corporate organized by the Government Women Engineering College, Ajmer, from 8-13 Feb. 2016. During the lecture, Dr Bhatt explained the fundamentals of the job application including the Cover Letter and the Resume, and the technique of creating an effective Resume.

**Dr. Dipti Sharma (Department of Humanities and Social Sciences)** delivered an invited lecture, **Managerial Skills and Economics** in the one-week National Workshop on Soft Skills from Classroom



to Corporate organized by the Government Women Engineering College, Ajmer, from 8-13 Feb. 2016.

**Prof. S. P. Chaurasia (Department of Chemical Engineering)** attended the International Conference on Clean India Technologies: Role of Desalination and Water Purification organized by Indian Desalination Association and Asia Pacific Desalination Association during Feb. 11-13, 2016 at Chennai and presented a paper on **Energy Consumption Study on Vacuum Membrane Distillation for Desalination.**

**Dr. Sandeep Chaudhary (Department of Chemistry)** was invited by the Alankar Post Graduate Girls College Jaipur, on **12th February, 2016** to deliver an invited lecture on **Wittig Reaction in Organic Synthesis.**

**Dr. Subbaramaiah V (Department of Chemical Engineering)** delivered an Expert Lecture, **Advanced Oxidation Process: Opportunities and Challenges** on 18th February, 2016 at NIT Raipur, Raipur.

**Dr. Vivekanand (Centre for Energy and Environment)** was the Invited Speaker on **BioEnergy-Innovation and Smart Technologies** at 4<sup>th</sup> Industry-Academia Conclave, IIT Indore during 18-20 Feb, 2016.

**Dr. Sandeep Shrivastava (Department of Civil Engineering)** presented two papers in the national conference on **Advances in Construction Technology and Management** at VNIT Nagpur on 19-20 Feb, 2016.



**Dr. Sandeep Chaudhary (Department of Chemistry)** was invited by the Department of Chemistry, Mohanlal Sukhadia University, Udaipur on 23 February, 2016 to deliver an invited lecture, **Artemisinin, an Nobel Medicine: Still Only Drug of Choice for the Treatment of Malaria.**

## Faculty Achievement/ Awards / Honours

**Prof. S. P. Chaurasia (Department of Chemical Engineering)** has been nominated as Convener of International Relations Committee of Indian Institute of Chemical Engineers for the year 2016.

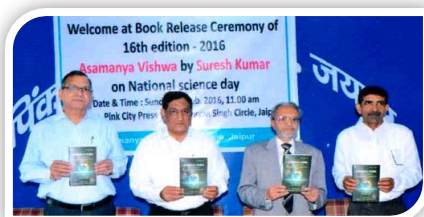
**Dr. M.M. Sharma (Department of Electronics & Communication Engineering)** chaired a session in the **5th IEEE Applied Electromagnetics Conference** held at IIT Guwahati from 18-21 Dec. 2015.

**Dr. Dipti Sharma (Department of Humanities and Social Sciences)** was invited by the Indira Gandhi Institute of Development Research, Mumbai to serve as External Examiner of Doctoral Research entitled **Sustainable Energy Security for India** submitted for the award of degree in Doctor of Philosophy at IGIDR, Mumbai.

**Dr. Mahesh Kumar Jat (Department of Civil Engineering)** presented a paper and chaired a session in the **1<sup>st</sup> International Conference on Disaster Mitigation and Management for Sustainable Development and Risk Reduction 2016** held during 22– 24, February 2016 at NIT Trichy.



**Prof. P R Soni (Department of Metallurgy)** was invited as Guest Speaker on the occasion of book release of 16<sup>th</sup> edition of '**Asamanya Vishwa**' (authored by Suresh Kumar). The ceremony was held on Feb.28, 2016 at Pink City Press Club, Jaipur. The book is an interesting



reading for the scientific community who have passion for '**out of the box**' thinking.

## Research Activities/ Projects

**MNIT Jaipur** participated in the Rajasthan Government Exhibition at SMS Investment Ground during 13-16 Dec. 2015. MNIT Jaipur exhibited scientific models and posters for showcasing currently active research projects and activities in the Institution. During the exhibition four different



Pamphlets featuring the MNIT, MRC displayed project and admission in NITs through DASA were distributed to the visitors.

The activity was coordinated by Dr. Harlal Singh Mali, Dr. Vinod Kumar and Dr. Amit Singh under the supervision of Prof. S.K. Shrimali.

**MNIT Jaipur** participated in the 6<sup>th</sup> Global Stone Technology Forum 2015 from 17-18 December, 2015 at Udaipur Chamber of Commerce & Industry, Udaipur organized by Centre for Development of Stones along with FICCI. Dr. Harlal Singh Mali, Mechanical Engineering and Dr. Pawan Kalla, Civil Engineering represented MNIT Jaipur and presented in R&D category.

**A** research project entitled **Laser Driven Particle Acceleration** has been sanctioned by SERB (DST) to Dr. Ashok Kumar (**Physics Department**). The sanctioned DST grant is Rs. 29,67,000/- for three years. The project has been started from January 16, 2016 and envisions setting up a simulation lab for laser-matter interaction.

**A** research project, **Green Process: Development of Green Catalyst for the Synthesis of Glycerol Carbonate from Waste Glycerol** has been awarded to Dr. Subbaramaiah V (**Department of Chemical Engineering**) under Early Career Research Award, Department of Science & Technology, Delhi. The sanctioned DST grant is Rs. 15,00,000/- for three years.

## Student Achievements & Other Activities

**M**andeep Singh Kapoor, B. Tech third year student (**Mechanical Engineering**) Represented Asia as Student Expert at Autodesk University (AU-2015) in Las Vegas, USA from 28 Nov - 06 Dec 2015.



**H**arsh Vikrant Singh and Abhishek Prajapati (**MBA 2nd year**) has won 2nd prize in the Open General Quiz and 1st prize in M.E.L.A. Quiz at "**Ignus 2016**" the annual techno-cultural fest of IIT Jodhpur on 28 february, 2016.

**M**usic Society of the **CACS, MNIT** organized a Music Concert by internationally acclaimed Santoor Maestro Pandit Abhay Rustum Sopori. He was accompanied on the Tabla by Ustad Akram Khan.



**M**usic Society of the **CACS, MNIT** organized a Dhruwad concert by the vocalists of international repute Shri Prashant and Shri Nishant Mallick.



**A** group of 35 students of **Dramatics Society, CACS, MNIT** participated in a plethora of events like **The Chosen One, Third Bell, Jester Fiesta** etc in **Mood Indigo**, the cultural fest organized by IIT-Bombay from 18-21 December 2015, where Sanidhya Raj Sharma, B.Tech. II year, won the first prize in The Chosen One (Mono Act Competition) and left MNIT's mark.

**ALUMNI DAY**, Silver Jubilee felicitation of 1990 pass-out batch and Golden Jubilee felicitation of 1965 entry Batch was celebrated 26th December, 2015. The event aimed at bringing together the Alumni of all the batches of all courses on the same platform, thereby uniting the past with the present.



**K**ite festival was organized on the occasion of Makar Sankranti on 15th January 2016 by the **Student Mentorship Program**. The event experienced a huge mass of enthusiastic students at Sports ground.



**A**nnual Athletic Meet 2016 was organized on January 16-17, 2016. Prof. I.K. Bhat, Director MNIT was the chief guest for the opening ceremony.



**C**lay Modelling Competition was organized by the **Fine Arts Society, CACS** on January 19, 2016. A huge number of enthusiastic students turned to showcase their skills making the event a success.

**S**tudent seeded workshop on **Introduction to time value of money-finance** by **Electrical Engineering Society** was organized on January 23, 2016. The basic idea was to develop an understanding of alternative decision criteria (NPV, IRR, etc.) that are commonly used in the real world.

**D**irector's Talk was organized on January 25, 2016. Director Sir enlightened the students with his views on **Secrets to Success**. The lecture was followed by a tour of



Director Office. Director Sir explained the carvings in his office and acted as a guide for the students.

**R**epublic Day was celebrated with full enthusiasm on January, 26, 2016. The faculty, staff and students were present at the flag hoisting ceremony.



Prof. I. K. Bhat, Director took the guard of honor and hoisted the national flag. A number of cultural performances were also held on the occasion.

**E**ighteen students of the **Dramatics Society of CACS, MNIT** participated in the LNMIIT fest-**Vivacity** held from 29-31 January, 2016. MNIT group entered in three competitions at the fest, namely "Nishabdh" (mime), "Parikalpna" (skit) and "Hasyanukriti" (spoof) and bagged the **second and third position in the spoof and skit** respectively.



**J**aipur visit was organized in the month of January of 2016 for the first year students by the **Student Mentorship Program**. The students were accompanied by their respective mentors and sub-mentors.



**S**tudent Seeded Workshop on **Effective Communication Skills** was organized by **Electrical Engineering Society** on January 31, 2016. The goal of the training was to equip participants with a range of new techniques that will help them to: Listen carefully and speak more confidently to build rapport.



**Mnit Sports Tournament (MST 2016)** was organized from 19–21 February, 2016. Over 1000 students, and more than 30 colleges participated this year in MST'16. Various events included Walkathon, Fun Games like kabaddi, beach-volleyball, along with sports such as Cricket, football, chess, table-tennis, volleyball, tennis, basketball, badminton and gymnastics.



**Scholars' Cup Mains** was organized from February 26–28, 2016. Prelims had various segments viz. paper presentation, mascot designing, quiz, mad ads etc. Virtual trading was the highlight of the entire stage.

A total of 30 teams cleared prelims and entered Mains which tested the extreme levels of the participants. The segments taken up were Youth Parliament, Investor's meet, Being Journo, Treasure hunt, Chain reaction, Moot Court, etc. The event concluded with a fashion show of all 30 teams and a grand heart pumping DJ night by Vh1 Supersonic.

**I**nter-NIT athletics was hosted by MNIT this year from 26-28 February, 2016.



Athletes from 13 NITs participated in different track & field events. MNIT athletics team got the first runners-up position with 6 Gold, 5 Silver & 6 Bronze. MNNIT Allahabad become the overall champion whereas NIT Kurukshetra got the 2nd runner-up position.

**A** street play was performed by the **Dramatics Society, CACS, MNIT** on 20 Feb, 2016 during the MNIT Sports Tournament. The theme of the street play was **Youth Empowerment**.



**Entrepreneurship Development Cell (ED-Cell), MNIT** in collaboration with **Headstart** started a monthly event, **Startup Saturday**

comprising of lectures; competitions and interaction between budding and successful entrepreneurs. The event was flag started by Prof. Awadhesh Bharadwaj, Chief Coordinator and Dr. Monica Sharma, Coordinator, ED Cell MNIT J along with an enthusiastic group of members. This event is normally held on second Saturday of every month.

**T**he **Entrepreneurship Development Cell** conducted two Entrepreneurship Awareness Camps on **Start-up** and **Entrepreneurship** in Poorinma University from 12-14 February, 2016 and Maharishi Arvind Institute of Engineering and Technology from 26-28 February, 2016. Both of these threw light on the pros and cons of a startup.

**T**hree rounds of GREENOVATION'16 - Effective, Innovative & Feasible Ideas to Curb Sustainability Challenges were organized by the Energy Club during Feb- March 2016.

## Upcoming Events

- STTP on **Emerging Trends in Industrial Automation and Control** from 1- 4 April, 2016.
- **Faculty Development Programme on Parallel Computing** from 8-12 April, 2016.
- **Blitzschlag '16**: The annual Techno-Cultural festival of MNIT Jaipur from 8-10 April, 2016.
- Two Days Workshop on **FUEL CELLS** from 11-12 April, 2016.
- A National Workshop On **Recent Advances in Engineering and Medical Imaging Techniques RAEMIT-16** from 12-16 April, 2016.
- National conference on **Process Automation & Control** from 28-29 May, 2016.
- STTP on **Building Materials Characterisation and Testing (BMCT-2016)** from 06-10 June, 2016.

## Placement and Training/ Packages

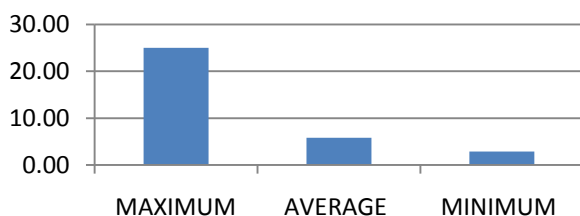
**Total Number of Companies visited MNIT Jaipur till 15th March, 2016 are 87.**

Companies offering more than 10 LPA package are: Salesforce(PPO),Microsoft(PPO),Amazon, Grofers, Adobe, Aspiring Minds, Drishti Soft, Wooqer, Morgan Stanley, Texas Instruments, DE Shaw, Goldman Sachs, Walmart, BrahMos Aerospace.

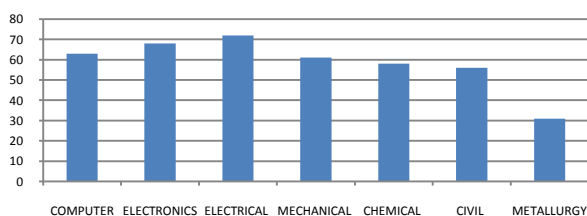
Total Number of Offers: 485 (B.Tech.-409, PG-76)

Package Details	Package (in LPA)
Maximum	25
Average	6.13
Minimum	3.15

### Pay Package Offered in LPA



### Branch-wise offers



**The MNIT Family Welcomes  
Our New Chairperson  
Ms. Chitra Ramkrishna**



**Coordinator:**

**Dr. (Mrs.) Dipti Sharma**

**Co- Coordinator:**

**Dr. Deepak Verma**

**Members:**

**Dr. Jyoti Joshi**

**Mr. Minu Khemnani**

**Ms. Boola Choudhary**

**Mr. Saket Kumar**