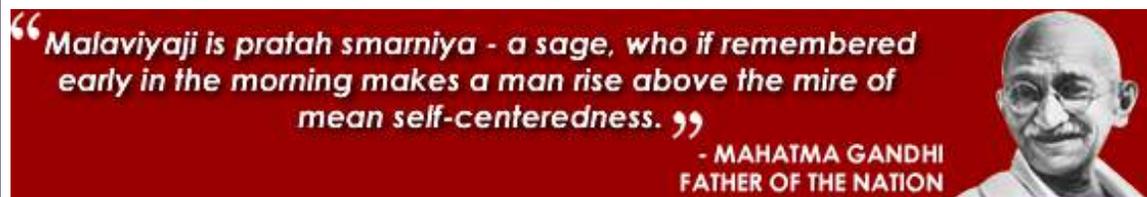




# MNITJ NEWS

the quarterly news magazine



## Director's Message

I am happy to release the MNIT Jaipur newsletter for the quarter September 2017-18. It gives me immense pride in sharing that the MNIT Jaipur campus was, like always, abuzz with plethora of research, training and outreach activities. These activities are not only directed at multidimensional development of the staff and students of MNIT Jaipur, but also contribute to the society at large. I am hopeful that MNIT family will keep up the tradition and will continue to make great strides in betterment of all stakeholders.

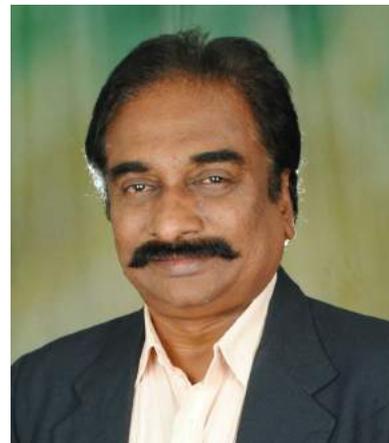
With this quarter the Institute has embarked on its journey of a new academic session. The return of the continuing students and entry of new has brought a new life and zeal to the campus. One could very well feel this energy during various activities and events organized as a part of the orientation program for the new entrants. The three day Orientation program for the newly inducted students included multiple activities such as plantation drive, yoga, cleanliness drive, performances and campus visits apart from familiarizing them with institute by means of presentations and lectures.

Keeping up with the proud tradition of MNIT, the faculty, staff and students organized multiple events during the quarter for the benefit of students, faculty members and practitioners. I am glad to announce that such activities are not limited to the MNIT campus but also spans out of the campus for development of the society at large. The Project NIKHAAR adopted by the Department of Architecture and Planning during July and August 2017 where the students and faculty worked enthusiastically to increase happiness index of slum-dwellers by carrying out makeover in Kunda Basti in nearby Jhalana forest area is such an example.

Learning enlightens our minds to not only knowledge but also to the duties we should perform. Learning, thus, would be incomplete if we do not have a sense of responsibility towards the nation and its development. Keeping up with this spirit, MNIT Jaipur proudly celebrated the Independence Day during the quarter to commemorate 70 years of Independence. I feel elated that MNIT was one of the institutes shortlisted by the MHRD to host programs such as New India Manthan to commemorate the sacrifices and efforts of our freedom fighters and for celebrating 70 years of independence and 75th year of the Quit India Movement with a view to usher in "New India by 2022". Let us take this pledge again to never shy away from walking those extra miles to contribute towards advancement of the nation and take it to the glories far and beyond we have aspired.

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

**S**ummer Internship Program-2017, organized by Department of Electrical Engineering from May 22<sup>nd</sup> to July 5<sup>th</sup>, 2017 was coordinated by Prof. R.A. Gupta, Dr. Vikas Gupta, Dr. Nitin Gupta and Dr. Arun Verma. This internship/ training program focused on Emerging Trends of Electrical Engineering in the field of Electrical Machines and Power Electronics with Simulation and Practical study for UG and PG students of Engineering. The program also taught simulation and hardware implementation of various power electronics circuits and other hardware platform by designing & fabricating small circuits in the laboratory.



**A** one day workshop was organized in Department of Metallurgy and Material Engineering on June 5<sup>th</sup>, 2017. The workshop was conducted on the subject of **“Synthesis and Structure Property Relationships in Materials”** under the convenership of Dr. Vijay Navaratna Nadakuduru and Dr. Rajendra Kumar Duchaniya.



**D**epartment of Mathematics, MNIT Jaipur organized a self-financed, one week, participative short term course on ‘Modeling & Simulation Tools’ for faculties and students from July 03 - July 07, 2017. The course was attended by 45 participants from various institutes from all over India including IIT Roorkee, 5 different NITs (Sikkim, Uttarakhand, Nagpur, Jalandhar, Jaipur), Delhi University, Manipal University, and Rajasthan University. The course was coordinated by Dr. Santosh Chaudhary (Department of Mathematics) and Dr. Ritu Sharma (Department of Electronics and Communications).



**D**epartment of Electronics and Communications Engineering organized a Faculty Development Program



on **CMOS Analog VLSI Design (July 12<sup>th</sup> -16<sup>th</sup>, 2017)** sponsored by ECIT academy MeitY Govt. of India under the convenership of Prof. D. Boolchandani and Dr. Chitrakant Sahu



Centre for Energy and Environment organized Focused Group Discussion (FGD) on Ease of Doing Business and Providing with an opportunity to cross learn from India-USA on July 25<sup>th</sup>, 2017. Ms. Shanthi Natraj, RAND Corporation (USA), representatives from the US Embassy, New Delhi and CUTS Intl. India participated in the discussion along with faculty, students and startup incubates at MNIT Jaipur.



A workshop on “Community Water Purification Plants in Quality Affected Habitations of Rajasthan: Issues, Challenges and Way Forward with New Technologies” was organized by Departments of Civil Engineering & Chemical Engineering at MNIT Jaipur on July 27<sup>th</sup>, 2017. The event was sponsored by WSSO, PHED Rajasthan and resource persons were from IICT Hyderabad, BARC Bombay, NEERI, Nagpur, MNIT Jaipur, PHED Rajasthan, and the industry. The audience had adequate representatives from PHED Rajasthan, suppliers and operators of defluoridation and RO plants in Rajasthan, industry experts and researchers from academic institutes. The event was inaugurated by Shri Rajat Kumar Mishra, Principal Secretary, PHED, Govt. of Rajasthan and the event was presided by Prof. R. Udai Kumar Yaragatti, Director MNIT Jaipur. Prof. A.B. Gupta, Prof. S. P. Chaurasia and Dr. Sushant Upadhyay were Coordinator for the event. Dr. Urmila Bhriugu, Dr. Madhu Agarwal, Dr. R. K. Dohare and Dr. V. Subbaramaiah were Co-coordinator. The focus of the workshop was to look forward for new technologies that can provide solution to water purification along with reject management.



The Department of Electronics and Communications Engineering organized a One day workshop on "Emerging Materials and Devices for Nanotechnology Applications" July 27<sup>th</sup>, 2017 sponsored by ECIT academy MeitY Govt. of India. The invited guests for the workshop included Prof. Shekhar Bhansali, Florida International University, Florida, USA and Prof. Rajiv Prakash, Indian Institute of Technology, BHU, Varanasi. The Convener for the event were Dr. Chitrakant Sahu & Dr. C. Periasamy

Training of 29<sup>th</sup> (July 28<sup>th</sup> - 29<sup>th</sup>, 2017), 31<sup>st</sup> (August 13<sup>th</sup> - 14<sup>th</sup>, 2017) and 33<sup>rd</sup> (August 20<sup>th</sup> - 21<sup>st</sup>, 2017) batch of newly recruited PHED engineers was conducted by Department of Civil Engineering at Vivekanand Lecture Complex (VLTC) MNIT Jaipur on the topic of “Reverse Osmosis”. In the training program



topics such as membrane processes, materials, operational challenges, water

desalination, pretreatment of RO and water purification using UF, water quality & health aspects, applications of VMD, different separation processes and membrane processes for water purification and O

& M of community based RO plants etc. were discussed by experts from various organizations such as BARC,



Mumbai, SRM University, Chennai, MGM Engg. College, Jodhpur, BOSCH (India) etc. A field visit was also organized to see RO plants installed at nearby locations.

The Department of Computer Science and Engineering organized one week Faculty Development Program on “Nest Generation Networking” during August 1<sup>st</sup> - 5<sup>th</sup>, 2017 in Association with project ISEA Phase-II. A total of 30 research scholars and faculty members from



various engineering institutes across India attended the program. The FDP focused on discussions on open & potential challenges and opportunities of Next-Generation Networks (NGN) including NFV, SDN, NDN, 5G, IoT etc. This program was convened by Dr. Vijay Laxmi and coordinated by Dr. Meenakshi Tripathi and Dr. Ramesh Babu Battula.



**D**ePARTMENT of Mathematics organized a 2 day intra-college Mathematics fest "Siddhant" during August 18-19, 2017. The event comprised of major events - Bhaskaracharya Quiz on Mathematics, Ramanujan Poster Competition, Aryabhata Seminar and Varahmihir Math Art and Shakuntla Devi Lecture series. The poster making and Math Art competition was inaugurated by Prof. Dilip Singh Chauhan, Retired Professor, University of Rajasthan and was juried by Dr. D. S. Chauhan and Dr. Vatsala Mathur. The seminar competition on the topic "Mathematics in everyday life" was Juried by Prof. Kailash Singh and Dr. Varun Jindal from MNIT. Prof. I. K. Rana, emeritus fellow from IIT Bombay enlightened the students with his knowledge in the Shakuntla Devi Lecture Series. Dr. Rashmi Jain and Dr Ritu Agarwal from Department of Mathematics were appreciated for their dedicated efforts for organizing Siddhant.



**F**ive days training program for WRD engineers was organized by the Department of Civil Engineering from, August 21<sup>st</sup> - 25<sup>th</sup>. 2017. The program focused on training WRD engineers in the basics of hydrology and computer based computations to solve simple and complex problems related to hydrology. The training program also included a field visit to Bisalpur Dam to apprise the participants of the field conditions and give

them first-hand knowledge about catchment area, runoff, reservoir operation etc. The 5 days program included 11 lectures on various concerning subjects and 4 lab exercise of 90 minutes each and a field visit to Bisalpur Dam. The event included lectures and

hands on training conducted by experts like Dr. G.L.

Asawa (Ex HoD, IIT Roorkee, Settled in Surat), Prof. A.B. Gupta(MNIT Jaipur), Prof. Lakshman Nandagiri(NITK, Suratkhal), Prof. Rohit Goyal(MNIT Jaipur), Dr. Archana Sarkar(NIH Roorkee), Kiran Ahuja(WRD, Jaipur), Mr. Sanjay Agarawal(WRD, Rajasthan) and Dr. Bhaskar R. Nikam(Scientist/Engineer – SE, IIRS, Dehradun).



**D**r. V. Subbaramaiah (Department of Chemical Engineering), Dr. U. K. Arun Kumar (Department of Chemical Engineering) and Dr. Venkataratnam Kamma (Department of Physics) jointly organized a 6 day GIAN course on Physical-Chemical Processes for Water and Wastewater Treatment" held from, August 21<sup>st</sup>-26<sup>th</sup>, 2017 at MNIT Jaipur. Prof. Tian C. Zhang was the foreign expert from University of Nebraska-Lincoln (UNL), USA.

**A** GIAN course on Research Challenges in Wireless Technologies for 5G sponsored by MHRD, New Delhi was organised by the Department of ECE from Aug 28<sup>th</sup>-Sept 1<sup>st</sup>, 2017. Dr Vinod Kumar of Alcatel Lucent Bell Labs (France) was the international faculty at the event. The Inaugural event was presided over by



Director MNIT Prof Udaykumar R Yarangatti. Prof V Sinha was the host expert and Dr Vijay Janyani was the course coordinator.



**E**nergy Club, Centre for Energy and Environment organized the “9th Sustainable Energy & Environment Quiz (S.E.E.Q.) 2017” on August 19<sup>th</sup> -20<sup>th</sup>, 2017. The event was organized in association with ISHRAE and ASHRAE on the occasion of Rajiv Gandhi Akshay Urja Diwas at MNIT Jaipur.

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

**C**EE MNIT Jaipur on June 19<sup>th</sup>, 2017 organized a invited lecture by Prof. Maheshwar Sharon, (Retd.) IIT Bombay, on ‘Nanotechnology applications in solar cells followed by interactive session with his vast experience on, Electrochemistry (Photo electrochemistry and batteries), Superconductivity, Carbon (CNF,CNT, nanocarbon, low band gap semiconductor) as well as development of wet & dry Photo-voltaic Solar Cells

**D**r. Madhuri Sharon, Director at Walchand Centre of Research in Nanotechnology & Bio-Nanotechnology and Former Professor Emeritus and Adjunct Professor at University of Mumbai delivered an invited talk on, ‘Carbon Quantum Dots as Theranostic agent at the CEE MNIT on June 19<sup>th</sup>, 2017.



**A**n invited lecture of Prof Subhananda Chakrabarti of Department of Electrical Engineering, IIT Bombay was organised on 16th Aug 2017 at the Department of ECE, under the SPIE Student Chapter. Prof Chakrabarti spoke about India’s first indigenous focal plane array for thermal imaging applications.

### Visit/Expert Lectures delivered by Institute Faculty

**D**r. Kamlendra Awasthi (Department of Physics) delivered an invited talk on Functionalized polymer membranes for gas separation at Institute for Theoretical Physics, Technical University, Berlin (Germany) on June 28<sup>th</sup>, 2017.

**D**r. Kamlendra Awasthi (Department of Physics) visited Leibniz Institute of Polymer Research, Dresden (Germany) for collaborative research work in June 2017 for a month. Dr. Awasthi also met President of Germany, Dr. Frank-Walter Steinmeier at his residence and Humboldt secretary Prof. Enno Aufderheide along with Humboldt fellows during Humboldt annual meeting in Berlin. This visit was supported by Alexander von Humboldt foundation, Germany.

**D**r. Sudhir Kashyap (Department of Chemistry) delivered an *invited lecture* on, **Reagent Directed Stereoselective Synthesis of  $\alpha$ -D-Mannopyranosides in "One-Pot"** Process in International Conference on Frontiers at the Chemistry-Allied Sciences Interface (FCASI-2017), organized by the Department of Chemistry (Centre of Advanced Study), University of Rajasthan, during July 22-23, 2017.



**Dr. Raj Kumar Joshi** (Department of Chemistry) delivered an invited talk at International conference on Frontiers at the Chemistry- Allied Science (FCASI-2017), organized by the Centre of Advance Study and Department of Chemistry, University Rajasthan on July 22<sup>nd</sup> -23<sup>rd</sup>, 2017. The title of the talk was "Metal of base catalyzed C-C coupling and C-C cross coupling reactions: Green chemistry aspects for important CC coupling reactions". This includes the latest research finding of organometallic and catalysis laboratory at Department of Chemistry, MNIT Jaipur



**Dr. Nitin Gupta** (Department of Electrical Engineering) participated in the **CSIR Sponsored Two days National Level Workshop on Research perspectives on Solar PV system: Design, Simulation and Application** at PSG College of Technology, Coimbatore during **July 27<sup>th</sup> - 28<sup>th</sup>, 2017**.

**Dr. Sandeep Chaudhary** (Department of Chemistry) delivered an invited lecture on "Recent Development in Interdisciplinary Research in Chemical Sciences at Laboratory of Organic and Medicinal



Chemistry, MNIT Jaipur" at National Workshop on "MIND-MELD - How Interdisciplinary are you" held at Manipal University, Jaipur on July 29<sup>th</sup>, 2017. The workshop was jointly organized by Manipal University and Birla Institute of Scientific Research, Jaipur. The main theme of the workshop was to promote joint research collaboration between Jaipur based

Universities and Institutes. Around 70 delegated/participants attended this conference.

**Prof. S. P. Chaurasia** (Department of Chemical Engineering) has delivered an invited talk at NIT Warangal on July 31<sup>st</sup>, 2017, on the topic "Enzymatic Synthesis of DHA Rich Triglycerides from Fish Oil".

**Dr. Suja George** (Department of Chemical Engineering) delivered an expert lecture on August 23<sup>th</sup>, 2017, on the topic "**Adsorption and Ion exchange process for water treatment**" in **GIAN course on Physical-Chemical Processes for Water and Wastewater Treatment**" held from August 21<sup>st</sup>-26<sup>th</sup>, 2017 organized by the Department of Chemical Engineering, MNIT Jaipur.

**Dr. V. Subbaramaiah** (Department of Chemical Engineering) delivered an expert lecture on August 24<sup>th</sup>, 2017, on the topic "**Remediation technology for non-biodegradable wastewater**" in **GIAN course on Physical-Chemical Processes for Water and Wastewater Treatment**" held from August 21<sup>st</sup>-26<sup>th</sup>, 2017 organized by the Department of Chemical Engineering, MNIT Jaipur.

**Dr. U. K. Arun Kumar** (Department of Chemical Engineering) delivered an expert lecture on August 24<sup>th</sup>, 2017 on the topic "**Gas Absorption/Stripping unit operation process for wastewater treatment and its design**" in **GIAN course on Physical-Chemical Processes for Water and Wastewater Treatment**" held from August 21<sup>st</sup>-26<sup>th</sup>, 2017 organized by the Department of Chemical Engineering, MNIT Jaipur.

**Prof. S. P. Chaurasia** (Department of Chemical Engineering) delivered an expert lecture on August 25<sup>th</sup>, 2017, on the topic "**Membrane technology for water treatment**" in **GIAN course on Physical-Chemical Processes for Water and Wastewater Treatment**" held from August 21<sup>st</sup>-26<sup>th</sup>, 2017 organized by the Department of Chemical Engineering, MNIT, Jaipur.

**Dr. R. K. Vyas** (Department of Chemical Engineering) delivered an expert lecture on August 26<sup>th</sup>, 2017, on the topic "**Oxidation/Reduction and Photolysis/Photocatalysis Processes**" in **GIAN course on Physical-Chemical Processes for Water and Wastewater Treatment**" held from August 21<sup>st</sup>-26<sup>th</sup>, 2017 organized by the Department of Chemical Engineering, MNIT Jaipur.

**P**rof. Rohit Goyal (Department of Civil Engineering) is presently visiting AIT Bangkok as part of short term faculty secondment scheme of MHRD, Government of India. He is expected to take part in multiple courses offered in present semester in Natural Resource Management Division of School of Environment Resources and Development (SERD). He would also be collaborating with faculty at AIT Bangkok for research activities. He is expected to be back in MNIT Jaipur around 2<sup>nd</sup> or 3<sup>rd</sup> week of December 2017.



## Research....related activities

**D**r. Divesh Kumar (Department of Management Studies) published a paper along with Dr. C.P Garg on the subject of Evaluating sustainable supply chain indicators using Fuzzy AHP: Case of Indian automotive industry in *Benchmarking: An International Journal*

**D**r. Divesh Kumar (Department of Management Studies) published a paper along with Dr. P Goyal titled Modelling the CSR barriers in manufacturing industries in *Benchmarking: An International Journal*

**D**r. Divesh Kumar (Department of Management Studies) published a paper along with Dr. A.K. Agrawal and Prof. Z. Rahman titled An ISM approach for modelling the enablers of sustainability in market-oriented firms in *International Journal of Business Excellence*

**D**r. Divesh Kumar (Department of Management Studies) published a paper along with Prof. Z. Rahman on the subject of Analyzing enablers of sustainable supply chain: ISM and Fuzzy AHP approach in *Journal of Modelling in Management*

**D**r. V. Subbaramaiah (Department of Chemical Engineering), Dr. U.K. Arun Kumar (Chemical Eng.), Dr. K.Venkataratnam Kamma (Physics) and Dr. Vijayalakshmi Gosu (Jaipur National University, Jaipur) received a sponsored research project from DST Rajasthan entitled "**Rural Empowerment: Development of Household Green Filter for Contaminants Removal from Water**" on July 7<sup>th</sup>, 2017, for three years from 2017 to 2020. Total amount recommended by DST for the project is Rs. 7.83 lacs.

**D**r. Dodla Sivanageswara Rao, Dr. Thurpu Raghavender Reddy, and Dr. Sudhir Kashyap (**Department of Chemistry**) made a *Poster Presentation* entitled **Synthetic Application of Sulfonium Iodate (I) Reagent in Modern Organic Chemistry** in 21<sup>st</sup> CRSI-ACS Symposium in Chemistry (CRSI NCS-21), organized by CSIR-Indian Institute of Chemical Technology, Hyderabad, during July 13<sup>th</sup>-16<sup>th</sup>, 2017.

**D**r. Thurpu Raghavendar Reddy, Dr. Dodla Sivanageswara Rao, and Dr. Sudhir Kashyap (**Department of Chemistry**) made a *Poster Presentation* entitled **Stereoselective Synthesis of 2-Deoxy Glycosides and Glycoconjugates Using Sulfonium Iodate (I) Complex** in 21<sup>st</sup> CRSI-ACS Symposium in Chemistry (CRSI NCS-21), organized by CSIR-Indian Institute of Chemical Technology, Hyderabad, during July 13-16, 2017.

**D**r. Thurpu Raghavender Reddy, Dr. Dodla Sivanageswara Rao, and Dr. Sudhir Kashyap (**Department of Chemistry**) made a *Poster Presentation*, entitled **Synthesis of 2-Deoxy-2-Iodo Glycosides and Glycoconjugates using Hypervalent Iodine System** in International Conference on Frontiers at the Chemistry-Allied Sciences Interface (FCASI-2017), organized by the Department of Chemistry (Centre of Advanced Study), University of Rajasthan, during July 22<sup>nd</sup>-23<sup>rd</sup>, 2017.

**D**r. Dodla Sivanageswara Rao, Dr. Thurpu Raghavender Reddy, and Dr. Sudhir Kashyap\* (**Department of Chemistry**) made a *Poster Presentation*, entitled **A Novel and Efficient Protocol for Regioselective Vicinal Functionalization of Olefins** in International Conference on Frontiers at the Chemistry-Allied Sciences Interface (FCASI-2017), organized by the Department of Chemistry (Centre of Advanced Study), University of Rajasthan, during July 22-23, 2017.

**M**r. Naveen Satrawala, PhD Scholar, under the supervision of Dr. Raj Kumar Joshi at Department of Chemistry, has been awarded by the best poster award in the International Conference on Frontiers at the Chemistry- Allied Science (FCASI-2017), organized by the Centre of Advance Study and Department of Chemistry, University Rajasthan on July 22<sup>nd</sup>-23<sup>rd</sup>, 2017. Mr. Naveen Satrawala presented his latest research finding in form of a poster presentation entitled "Metal free cross coupling of sec-alcohols with aryl aldehydes: An alternative route for Claisen Schmidt condensation products". This research work has recently published in Tetrahedron Letters

(International Journal). The best poster award was presented by Honorary Professor S. Chandrasekaran, FASc, FNASc, FTWAS and SERB Distinguished fellow and professor department of organic chemistry at IISc Bangalore.

**Dr. S. K. Jana** (Department of Chemical Engineering) has received sanction of Rs. 10.08 from DST, Ministry of Science and Technology, Govt. of India for a research Project entitled **Utilization of Marble Slurry Waste for Desulfurization of Flue and Vent Gases Leading to Production of Plaster of Paris (PoP) or by Direct Injection and for Manufacture of Cement.**

**Dr. Satyanarayana Neeli** (Department of Electrical Engineering) has been granted a project titled "Optimal output samples based control of multiport DC-DC converters" by Science and Engineering Research Board (SERB), DST New Delhi.

## Faculty Achievements

**Dr. Sudhir Kashyap** (Department of Chemistry) has been elected as Life member to ACCT (I) Association of Carbohydrate Chemists and Technologists (INDIA), and Chemical Research Society of India (CRSI).

**Prof. S. P. Chaurasia** (Department of Chemical Engineering) has been awarded a Fellow Member of Institution of Engineers (India) on June 30<sup>th</sup>, 2017.

## Student ..... related activities

**T**wo students from Ohio State University, Columbus and three Students from The Colorado State University completed their third year NSF Project at Advanced Manufacturing & Mechatronics Lab of the Mechanical Engineering Department for twelve weeks on Jaipur Foot between May 14<sup>th</sup>, 2017 and Aug 03<sup>rd</sup>, 2017. Dr. Harlal Singh Mali, PhD of MNIT Jaipur and Dr. Anil Jain of SDMH Jaipur proposed three main objectives: decrease the overall weight of the foot, facilitate the development of a mass production model by standardizing the present process, and to maintain biomechanical responses in the foot while improving the longevity of the product. Two undergraduates, Prateek and Ankit and one graduate student Aniket of MNIT Jaipur also joined on the project this summer. Head of Department Prof. GS Dangayach, appreciated the students participation in the research. The research received a grant from National Science Foundation (NSF).



The SPIE student chapter team organised two invited talks on “Optical Fiber Technologies” and “Technical Paper Writing” on July 04th, 2017 in Committee room, Electronics and Communication Department at MNIT Jaipur. The international speakers were Prof. Anton Bourdine from Samara, Russia and Dr. Rim Cherif from Tunisia. The event was well received with the presence of a large audience including the faculty members, Ph.D scholars, M.Tech and B.Tech students.

Training cell under Alumni committee (ALCOM) arranged over 350 student internships through alumni contacts for the students of session 2016-17 in the most reputed companies such as PGCIL, IOCL, SKF Bearing, JSW, Delhi Metro, Rites, TATA Steel, Siemens Ltd., Faiveley Transport Rail Technology, Indian Railways, Gravita, KEC International Ltd., Valeo, SAIL, Airport Authority of India, NTPC, Eicher Engines etc. The initiative was led under the guidance of faculty coordinator Dr. Harlal Singh Mali, Assistant Professor in Mechanical Engineering and the student coordinators, Ankit Gupta and Sagar Kartik. Over 1000 Alumni were approached through phone calls and emails for the purpose.



MNIT Innovation and Incubation Centre (MIIC) organized an IPR (Intellectual Property Right) awareness workshop on June 29<sup>th</sup>, 2017 for MIIC Startups & aspiring entrepreneurs working to incubate at MIIC. Guest speaker Dr. Rohit Jain (Advocate and a registered Startup facilitator for patent and trademark under startup India Scheme) delivered a lecture on various related issues like type of companies, benefits & registration process, registration process for Patent/IPR, Trademark, Copyright, Design, MSME/SSI and other legal requirements of a startup. 12 participants from 6 startups attended the workshop. The speaker highlighted differences between various types of IPR e.g. Patent (For scientific invention of

Product or Process), Trademarks, Design, Copyright (literary, Artistic, Musical etc.), Geographical Indication, Plant varieties and Farmer’s Right, and Semiconductor integrated circuits layout design.



MNIT Innovation & Incubation Center (MIIC), a technology Business Incubator established by



government of India and supported by Department of Science & Technology (DST), organized a brainstorming workshop on “Enhancing Entrepreneurial & Innovation Environment in Rajasthan” on July 29<sup>th</sup>, 2017 at Hotel Clarks Amer, Jaipur. Experts from IITs, IIMs, IIITs, DST, AICTE, SIDBI, CII, FICCI, TIE, RICCO, MSME, industry leaders, successful entrepreneurs and startups, venture capitalists and NGOs from India and abroad



shared their vision and experiences to identify possible solutions to the challenges and possibilities for

entrepreneurs and innovators. Young entrepreneurs, students from science & technological institutes, Entrepreneurship Development Cell coordinators, etc. enthusiastically participated in this workshop. The aim was to develop policies for enhancing the entrepreneurial climate and bridging the gap between academia and start-ups/industry in Rajasthan.



Malaviya National Institute of Technology organised an Orientation Programme for the students of batch 2017. The three day event included a variety of lectures, performances and presentations and plethora of other activities like Plantation Drive, Yoga, Cleanliness Drive and Campus Visits. Students were welcomed as new entrants to the extended family of the college with ample opportunities to interact with their seniors and professors. This was followed by Invited Lectures from Prof. Shekhar Bhansali, Professor in Florida International University Miami, USA and Dr. D.S. Poonia, MBBS, MD, to present a talk on Mental Health. Societies under Creative Arts and Culture, along with the institute's media groups, sports groups, robotics and automobile societies showcased their work and invited students to take active part in their future endeavors. The sub-mentors, mentors and chief mentors of the SMP-Student Mentorship Programme also interacted informally with the students to break the ice and bridge the gap between seniors and juniors.



Three activities were conducted in Department of Architecture and Planning during July and August under the guidance of Dr. Tarush Chandra and Dr. Satish Pipralia. As a part of the community outreach



programme of the Institute, Department of Architecture and Planning initiated project NIKHAAR on July 31, 2017 to increase happiness index of slum dwellers by carrying out makeover in Kunda Basti in Jhalana forest area. Students carried out cleanliness drive, improved awareness in the basti and painted street walls of 70 shortlisted houses. The event concluded with photo exhibition of the work in Jawahar Kala Kendra on August 18, 2017.



The SMP Architecture team brought together the students of 1<sup>st</sup> and 2<sup>nd</sup> year of the Department of Architecture and Planning on August 13, 2017 and orchestrated a group exercise with the students in groups of 8 members each. A live scale Brick Jaali workshop was conducted in the construction courtyard with the objectives of ensuing creative process and to proffer the spirit of team work. The students were given a hands on demonstration on



the various know-how's of brick laying. The result of the workshop was 8 brick Jaali walls standing patterned in the courtyard.

Jay Jagad, a 2<sup>nd</sup> year student, conducted workshop on CUBISM in the Department of Architecture and Planning on August 20<sup>th</sup>, 2017 focusing on painting style of great artist Picasso. The workshop was held up in 3 stages: An interactive presentation followed by live demonstration of painting style and lastly hands on work. 36 students participated in the workshop and their creative output is being displayed in the department.



The National Handloom Day was celebrated at MNIT, on August 7<sup>th</sup> 2017 to inculcate a pride in handloom and also to make the students aware of the history and the future prospects of it. The Literary Society organized an elocution contest on the topic 'Handloom and young India' which saw students reciting prose and poems to weave a better sense of our culture. The Fine Arts Society organized a poster making competition in which students were asked to sketch the India of their dreams. Breadths and brushes left the entire college in awe, wondering about the magnitude of our tradition that is left uncared for.

The nation's 71<sup>st</sup> Independence Day was celebrated with zeal and patriotism in MNIT. Students and faculty members gathered early morning to sing in chorus the National Anthem as the flag waved the

tricolors into luminescence. Later, the Home Guards marched across the length of Prabha Bhawan to set a swift beat to the event. This was followed by an address from the Institute's Director, Prof. Uday Kumar R Yaragatti, where he traced our country's glory and shared the contributions of the Institute's towards the same. The celebrations was taken further with students reciting poems and songs that touched hearts and ignited a feeling of hope and patriotism.

The "SPIRITUALITY CLUB" is now rechristened as "VYAKTITVA SRIJAN CLUB". The objective of the 'VyaktitvaSrijan' Club is to help in overall development of students. The club will provide a platform to students to organize academic & social activities, yoga and meditation sessions, lectures etc. so that they can prepare themselves for a successful and satisfying life in harmony with society and nature.

MNIT Innovation & Incubation Center (MIIC) & ED cell organized orientation program for MNIT new students on August 17<sup>th</sup>, 2017 in Niti Sabhagar. The program was organized and executed by ED cell students to create awareness, encourage and inspire new students to get engaged in innovative and entrepreneurship development. ED cell is the team that provides huge amount of learning possibilities about the job creation through entrepreneurship. Three startups of MIIC (Metal26, TGIH, Marktine) shared their live experiences about incubation and journey of becoming entrepreneur.



**A** Robotics workshop was organized by Technical Society of CACS for the students with the astonishing and bewildering world of Robots on September 2<sup>nd</sup>-3<sup>rd</sup>, 2017. The workshop covered various fascinating topics like Autonomous Robot, Obstacle Avoider Robot, Bluetooth Robotics, PC Controlled Robot, Line Follower Robot and Obstacle Detector Robots. This workshop was a success because of the commendable effort and meticulous planning of Dr. Meenakshi Tripathi, Dr. Prerna Jain and Dr. Mushtaq Ahmed, Faculty Advisor, Technical Society, MNIT Jaipur. The Workshop ended after 16 hours with an active participation of 111 students. The first, second and third winners of this competition have been given an entry in the final round of the robotic challenge at IIT Hyderabad (aIRC'17).



**T**o commemorate 70 years of Independence and with a view to ushering in 'New India by 2022' a special program named 'Yeh India ka Time Hai' was planned by the MHRD.' New India Manthan' - a brain storming session and a 'Rock Concert' were held. Sankalp Ki Siddhi was the motto of the program to commemorate the sacrifices and efforts of our freedom fighters to make India a nation of power and prosperity. MNIT was one of the institutions to be selected to host the program. MNIT, in coordination with NFDC, organised a rock concert with 'Azaadi Band' playing patriotic tunes. The event was organised on September 8<sup>th</sup>, 2017 as per the directives of Ministry of Human Resource Development (MHRD) at the Institute's Central Lawn.

**M**anthan was a part of the celebration conducted by the Government for India for celebrating 70 years of independence and 75<sup>th</sup> year of the Quit India Movement with a view to usher in "New India by 2022". MNIT was one of the 73 institutions selected by MHRD for the same. The program was coordinated by the Ministry of Information and Broadcasting and was organized in two parts, at the departmental level and finally the selected students were gathered at Mini Auditorium on September 15<sup>th</sup>, 2017 for the brainstorming session. The theme for the program was 'Revisiting Science and Technological Education: Vision 2022'.



**M**alaviya National Institute of Technology celebrated the season of Dandiya Raas with pomp and show on September 16<sup>th</sup>, 2017. Director MNIT, Dr. Uday Kumar Yaragatti was welcomed on stage to perform the Lamp lighting ceremony. He was accompanied with Prof. Dilip Sharma, Dean Student Welfare (DSW). Dr Yaragatti addressed all on “Dandiya Raas” and the importance of the festival among enthusiastic cheers of students. The crowd danced to the beats of the dhols that supplemented the music. The prizes were distributed to the winners of the contests held by various societies under CACS, including ‘The Spotlight Move’, ‘Make A Mad’ and ‘Acrostic’. Artefacts and coupons were awarded to the winners.

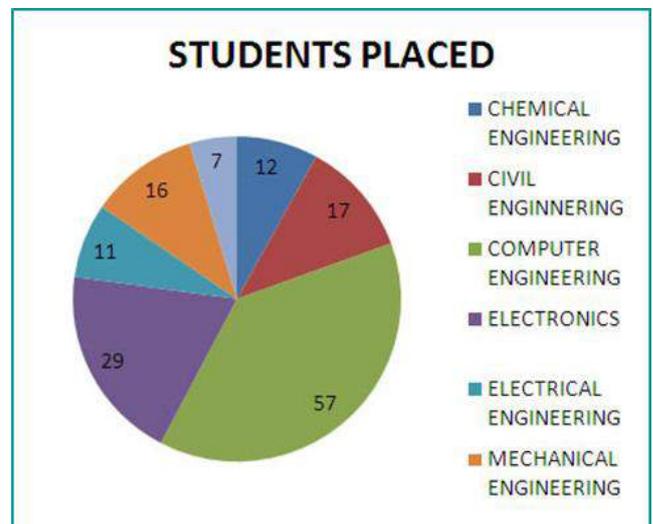


### Total No. of Students Placed till 15<sup>th</sup> September 2017

BRANCH	STUDENTS PLACED	HIGHEST PACKAGE (LPA)
Chemical Engineering	12	13 (Fidelity)
Civil Engineering	17	7 (Deloitte)
Computer Engineering	57	33 (D.E.SHAW)
Electronics	29	33 (Arcesium)
Electrical Engineering	11	12 (JP Morgan)
Mechanical Engineering	16	9 (Future First)
Metallurgy	7	13 (Fidelity)
	<b>149</b>	

### Placement and Training, Packages

- Salient features of training and placement till 15 September 2017-18.
- Highest Pay Package Rs 33 LPA to students of Computer Science and Engineering branch.
- Total number of companies visited the campus: 36 mainly are D.E. Shaw.
- Arcesium, Amazon, Goldman Sachs, Airtel, Deutsche Bank, Hero, JP Morgan, Futures First, Bajaj, Deloitte, L&T, etc.
- Total number of offers given to the students: 149 (including B.Tech and PG courses).





# MNIT Innovation & Incubation Center (MIIC)

(A Technology Business Incubator established by GOI)

## Malaviya National Institute of Technology

JLN Marg, Jaipur – 17 | [www.miic.mnit.ac.in](http://www.miic.mnit.ac.in)



We provides platform for conceiving, promoting & nurturing Innovation ideas and services are open for innovators planning to work in Rajasthan eco-system.

MIIC invites people having an innovative business ideas which can be commercialized. We provide following support:

- Technical / Business Mentoring
- Co-working space
- Lab facilities
- Networking for funding
- Patent / IPR

Who should apply:

- Anyone having innovative and / or commercially viable idea
- Looking for mentoring & support

- 14 Start-ups Incubating in MIIC at present
- 2 yrs of Deferred Placement for MNIT Students
- Application template is available on [www.miic.mnit.ac.in](http://www.miic.mnit.ac.in)
- Opportunity to learn & Earn while working with Startups



Kroozer

safarnama



MARKTINE

Infinite POWER



ECOWRAP  
Guardians of Nature

NWCJOBS

Contact us with you your Innovative Idea at: MIIC office, 2<sup>nd</sup> Floor, Prabha Bhawan, JLN Marg, Jaipur-17 | Phone: 0141-2529066 | Email: [miic@mnit.ac.in](mailto:miic@mnit.ac.in)

## National Handloom Day



# Orientation Programme



## EDITORIAL TEAM

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Editorial

