



From the Director's Desk

It is a pleasure to release MNITJ Newsletter for the concluding quarter of the academic year 2017-18. The outgoing activities pave way for a fresh breeze in the form of new faces, new entrants and new prospects in the forthcoming session which begin with orientation programme for the freshers entering the portals of this temple of learning with dreams in their eyes.

A long list of academic and research activities, training programmes, workshops, conferences, seminars, academy programs, GIAN courses, invited talks and guest lectures is attributed to the quarter which kept MNITJ live with diverse topics--advanced pattern recognition techniques, developments in soft computing for engineering applications, summer internship program 2018, communication skills, electric vehicle, GST and ease of doing business in India.

The Institute faculty and students continued to add credentials to their professional growth through awards, recognition, research and knowledge sharing via expert lectures, paper presentations and session chairs at national and global platforms.

A jewel in the crown of student activities in the present quarter had been the **2nd Ring Presentation Ceremony** (farewell to the outgoing batch) which aimed at reinforcing the strong bonds between the students, alumni and the Institute. The distinguished alumni who graced the occasion were **Mr. A. K. Bahl (Vice Admiral, Indian Navy) and Ms. Seema Agarwal (Additional Director General of Police, Chennai)**.

I conclude by these words to the newcomers--'*Don't study to earn, study to learn, what you learn today is what you will become tomorrow*'

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.

2nd Ring Presentation Ceremony on May 4, 2018



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



A GIAN course on **Advanced Pattern Recognition Techniques** was organized by the **Department of Computer Science and Engineering** from 26 - 30 March, 2018. The course had an overwhelming participation of over 60 faculty and research students from all over India. The resource person was Prof. Slobodan Ribaric, Faculty of Electrical Engineering and Computing, University of Zagreb, Croatia. The course was coordinated by Dr. Neeta Nain.



The Departments of Humanities and Social Sciences and Computer Science and Engineering organized an



AICTE recognized Short Term Course, **Communication Skills** for faculty members from 14-18 May, 2018. The STC was sponsored by National Institute of Technical Teachers' Training and Research, Chandigarh. Fifty-five faculty members from technical institutes and universities from all over the country participated in the Short Term Course. The course was coordinated by Prof P.K. Singla, Ms Nanny Tripathi, Dr Preeti Bhatt and Dr Meenakshi Tripathi.



A TEQIP-III sponsored course **Recent Developments in Soft Computing Techniques for Engineering Applications** under the membership of TEQIP-III NITK, Surathkal, was organized by the **Department of Electrical Engineering** from May 14-18, 2018. Dr. Arun Kumar Verma (**Department of Electrical Engineering**) delivered expert lectures, **Electric Current and Harmonic Elimination in Grid Interfaced Solar Photo-Voltaic System by using Adaptive noise Cancelation Technique** and **Electrical Vehicle Scheduling using Soft Computing Techniques** during the course on 17 – 18 May, 2018.



MNIT Jaipur and IIT Guwahati organized a global faculty development program on **Electric Vehicle** from May 28 to June 1, 2018 under the aegis of Electronics and ICT Academy of Ministry of Electronics & Information Technology (MeitY) ICT Academies at seven institutions viz. IIT Guwahati, IIT Kanpur, NIT Warangal, NIT Patna and IIITDM Jabalpur (under Category-A); and IIT Roorkee, MNIT Jaipur, NIT Nagaland, NIT Hamirpur (under Category B) and Shri M.L.V Government PG College Bhilwara. The lab sessions were held in offline mode at respective E&ICT academies. The FDP was coordinated by Dr. Arun Kumar Verma and Dr. Nitin Gupta.

Department of Electrical Engineering organized a **Summer Internship Program-2018** from May 7 to July 6, 2018 which is coordinated by Dr. Arun Verma and Dr. Satyanarayana Neeli.

Distinguished Visitors/Expert Lectures in the Departments/ Institute



The Department of Humanities and Social Sciences organized an invited lecture session, **GST and Ease of Doing Business in India** by Prof. C. S. Barla, Retd. Professor and Head, Department of Economics, University of Rajasthan Jaipur on April 4, 2018. The session was coordinated by Dr. Dipti Sharma and was attended by 100 plus students, faculty and staff members from accounts and academic sections.



Visit/Expert Lectures delivered by Institute Faculty

Dr. Subir Debnath (**Sports Faculty**) delivered invited lead talk, **National Mission for Olympic Gold: a Scientific Approach**, in National Seminar **Mission Olympic Through University Sports (MOTUS-2018)**,



organized by University Sports Council & Department of Sports, Ch. Charan Singh University, Meerut, UP during 06-07 March, 2018. This includes the latest systematic & scientific approach model to be implemented, which may result in achieving Olympic Gold for the nation.

Dr. Kamalendra Awasthi (**Department of Physics**) chaired a session and delivered an invited talk in the **2nd National Conference on Engineering Applications of Material Science** held at JECRC Jaipur during 26-27 March 2018.

Dr. Kamalendra Awasthi (**Department of Physics**) delivered an invited talk in the **National Conference on Applied Material Science** held at Central University of Gujarat, Gandhinagar during 6-7 April 2018.

Dr. Jyoti Joshi (**Department of Chemistry**) has delivered a guest lecture, **Chemistry of Corrosion**, at RNB Global University, Bikaner (Rajasthan) on April 13, 2018.



Dr. Kamendra Awasthi (Department of Physics) delivered an expert talk at Hands on Workshop, **Nano structured Materials and Coatings**, organized by Manipal University, Jaipur during 24-25 April 2018.

Dr. Ritu Agarwal (Department of Mathematics) delivered lectures in TEQIP III sponsored **2-Days National Workshop on LaTeX** during 25-26 April, 2018 held at JIET, Jodhpur. The lectures included basic introduction of the software, typing math equations and symbols, theorems, including graphics, reference and bibliography management etc.



Dr. Kusum Verma (Department of Electrical Engineering) chaired the Technical Session in the **IEEE Power & Energy Society International Conference on Innovative Smart Grid Technologies (IEEE PES ISGT Asia 2018)** held during 22-25 May, 2018 at Singapore.

Faculty Achievements

Prof. P.R. Soni (Department of Metallurgical and Materials Engineering) is invited by Asian Powder Metallurgy Association (APMA) to join Organizing Committee of the **5th International Conference on Powder Metallurgy in Asia**, being held on Feb. 18-21 2019, at Pune, India. The members of APMA are PM associations from China, India, Japan, Korea, Taiwan and Thailand.

Dr. Divesh Kumar (Department of Management Studies) delivered keynote address at the **Fourteenth International Conference on eLearning for Knowledge-Based Society, Theory and Practices in eLearning 2017 and Future**, on March 18, 2018 at Srisakdi Charmonman Institute, Siam Technology College, Bangkok, Thailand.

Research....related activities

Dr. Divesh Kumar (Department of Management Studies) published research paper in **The Bottom Line** Emerald group Publication titled, **Understanding the Trends of Marketing Research and Its Future Directions: A Citation Analysis**.

Prof. A. K. Bhargava (**Department of Metallurgical and Materials Engineering**) participated and presented a research paper titled **Investigation of friction and wear properties of silicon nitride reinforced polycarbonate nanocomposites** in the 7th Edition of **International Conference on Emerging trends in Materials Science and Technology (NANOMAT 2018)** held during April 26-27, 2018 at Rome, Italy.

Ms. Pooja Shinde and Mr. Sharwan Ram, students of IV Semester M. Tech working under supervision of Dr. Pilli Emmanuel Shubhakar (**Department of Computer Science & Engineering**) have found two vulnerabilities in MIT's Kerberos V5 (krb5) Authentication Protocol's implementation. Their work was accepted by MIT and an entry was listed on **International Vulnerability Databases – Common Vulnerabilities and Exposures (CVE) and U. S. National Vulnerability Database (NVD)**. They are indexed as CVE-2018-5709 and CVE-2018-5710.

Preeti Mishra, Vijay Varadharajan, **Emmanuel S. Pilli**, and UdayaTupakula, **Detailed Investigation and Analysis of using Machine Learning Techniques for Intrusion Detection, IEEE Communication Surveys and Tutorials**, In Press, 2018 - SCI Journal, Impact Factor: **17.188**

Preeti Mishra, **Emmanuel S. Pilli**, Vijay Varadharajan, and UdayaTupakula, **VMGuard: A VMI-based Security Architecture for Intrusion Detection in Cloud Environment, IEEE Transactions on Cloud Computing**, In Press, 2018 – SCI Journal (indexed in 2017)

Mr. Rajesh Kumar, research scholar under supervision of Dr. Kamlendra Awasthi (**Department of Physics**) has been awarded by **CSIR's Senior Research Fellowship (SRF)**.

Student related activities

The Fine Arts Society, CACS organized **Block Printing Workshop and Competition** on March 4, 2018 under the banner of **Ek Bharath Shrestha Bharath**, an initiative taken by Prime Minister Sh. Narendra Modi and MHRD. As the state of Rajasthan has been paired with the beautiful state of Assam, the event was held to explain the beautiful combination of Red and White in "Assamese Gamucha" and utilize it in the block printing techniques of Rajasthan. A workshop was held on the **Traditional Block Printing Art of Rajasthan** and it was followed by a competition to design a block by carving out in soap and using it to create Assamese patterns on cloth.



The famous stage play **ALA AFSAR** was staged by the artists of the "Raas Rang Manch" of Jaipur at MNITJ on March 5, 2018. The play was a *nautanki* depicting various aspects of corruption in our country in a very comic way. The aim of the drama was to spread message against corruption, which was very well received by the audience. More than 150 students witnessed the play and the efforts were appreciated by the faculty members and guests, Dr. Nivedita Koul, Dr. Madhu Agarwal, Dr. Reeta Singh and Mrs. Kiran Rathod.



An interview with the students of Assam staying in Rajasthan was held at MNIT Jaipur under the banner of **Ek Bharath Shrestha Bharath** by All India Radio. The audio of the interview with the students about the exchange of culture, climate, food and traditions between Assam and Rajasthan was broadcasted on March 10, 2018 on **Parikrama channel of All India Radio**.



The **Film & Photography club** organized a photography competition during 17-19 March, 2018 on the theme- **Culture of Assam & Rajasthan**. 300 photographs were received as entries from students and top 20 photographs were shortlisted for exhibition. Dr Rajesh Kumar Vyas (Asst. Director- Department of Information and Public Relation, Govt. of Rajasthan) was the judge for the competition. Four photographs were announced as winner (2 from Assam & 2 from Rajasthan) and were awarded with cash prizes and certificates.



A cleanliness drive was organized by the **National Service Scheme-MNITJ** on March 17, 2018 under the aegis of **Swachh Bharat Abhiyan** at SMS Hospital Jaipur during morning hours. The event saw participation of more than 50 students registered in the NSS wing of MNIT Jaipur. The students were divided into three groups. The first group went to the Charakh Bhawan and removed the waste from its premises. The second group cleaned the corridors and nearby areas of various gardens of the hospital. The third group undertook collecting and dumping the plastic waste including bottles, wrappers, etc. in and around the hospital. The drive was a

huge success and the response of the participants was appreciable and inspiring.



Vyaktitva Srijan Society organized a **Havan** on the occasion of *Bhartiya Nav Varsh* at VLTC on March 18, 2018 which was followed by the distribution of sweets.

Startup Bodhi AI of **MNIT Innovation and Incubation Centre** won India's biggest EduHack on Rajasthan IT day 2018 held at Rajasthan College during 18-21 March, 2018. The team was awarded by Smt. Vasundhara Raje Scindia, Hon'ble Chief Minister of Rajasthan. EduHack was a 24 hour Hackathon which aimed to give a unique platform to teachers, educationists and companies working in education sector of the State wherein they can create path-breaking solutions to improve our education system. More than 150 companies participated in the job fair, three startups Bodhi AI, Vidyarthi Darpan and Safarnama from MIIC participated in the event and received appreciation for their work and innovative ideas.



The Dramatics Society, CACS organized an event **TAKE-2** on March 19, 2018. The event was on enacting a popular movie scene with some creative modifications in the scene or situation. There were interesting performances by the teams which were thoroughly enjoyed by the audience.

Two startups of MNIT Innovation and Incubation Centre (MIIC) were invited at the Rashtrapati Bhawan during **Festival of Innovation and Entrepreneurship (FINE) 2018** organized by the National Innovation Foundation on 19-21 March, 2018 for product presentation and showcasing the innovative products from road safety to power generation. The program aimed at developing the creativity of the budding entrepreneurs and to recognize and showcase grassroots innovations and foster a supportive ecosystem. FINE



provided platform to the innovators for building the linkages with potential stakeholders whose support can improve their prospects in coming years for the larger social good.



To mark the ending of Navaratri, **Vyaktitva Srijan club** organized a “Kanya Bhoj” on March 24, 2018 at the MNIT temple. Around 60 girls from Kunda Basti had attended the Kanya Bhoj. Faculty members, students and Ph.D. scholars associated with the club were present.

MNIT Innovation and Incubation Centre (MIIC) and Institute of Cooperative Management, Jaipur organized one day visit program of MIIC and ED Cell for Indian Armed Force officials and other staff on March 27, 2018. The visit was focused to inculcate entrepreneurial and business approach among them. Prof. Awadhesh Bhardwaj, Coordinator In charge of MIIC oriented them about the opportunities in the business areas, various schemes of the government, how incubation centre can facilitate their idea and can help them to convert their ideas into a commercial success. More than 40 personnel from armed forces participated in program. Session was very fruitful and informative and everyone enjoyed it and appreciated the efforts of ED cell and MIIC to encourage the entrepreneurs and for creating an ecosystem of entrepreneurship. Later, they attended few sessions of Entrepreneurship Awareness Camp being organized by ED Cell MNIT.





The Dramatics Society, CACS performed the play "KHAT" at Utkraant - Annual Theatre Festival, Manipal University Jaipur on March 29, 2018. The story depicted the uncertainties for survival at borders, the unending hope of a mother and the pain of the separated love which was all inked in the series of letters. The play was appreciated by the audience and the judges.

A felicitation ceremony of Deanery of Student Welfare MNIT Jaipur was organized to appreciate the incredible efforts of all the faculty members, staff and students involved in CACS, ALCOM and Technical



Society on April 11, 2018. The event was presided over by Prof. Udaykumar R. Yaragatti (Director, MNIT Jaipur), Prof. Dilip Sharma, (Dean, Student Welfare), Mrs. Kalpana Pandit (Associate Dean, CACS and Alumni Affairs), Dr. Tarun Varma (Associate Dean, Sports) and Dr.

Madhu Agarwal (Coordinator, CACS). Fifty Two students (CACS Core team members, General Secretaries of CACS

Societies, Sphinx '18 organizing committee and ALCOM advisors), Thirty Five non-teaching staff (Registrar, staff of accounts section, staff of student welfare and staff of Director's office), and thirty faculty coordinators were felicitated. The function concluded with the vote of thanks by Mrs. Kalpana Pandit (Associate Dean, CACS & Alumni Affairs) and dinner.



The second ring ceremony for UG, PG and PhD passing out batch (2018) was held at MNIT on May 4, 2018. The event marked a farewell to the outgoing batch and reinforcing the strong bonds between the

students and the Institute. The dignitaries of the program were Director, Prof. Udaykumar R. Yaragatti, Chief Guest Mr. A.K. Bahl (Vice Admiral, Indian Navy), Guest of Honor Ms. Seema Agarwal (Additional Director General of Police, Chennai), Prof. Dilip Sharma Dean (SW) and Er. RakeshVerma, President MNITJAA. The function started by an address by Prof. Dilip



Sharma, Dean (SW), to the students followed by Er. Rakesh Verma (President, MNITJAA). Dr. Udaykumar R Yaragatti, Director, MNIT Jaipur motivated the students with his words. He inspired the students to lead a joyful life and wished them well for their career and lives. A few students shared the experience of their stay at MNIT Jaipur. The silver rings were presented to the outgoing students by their respective HODs.

Upcoming Events

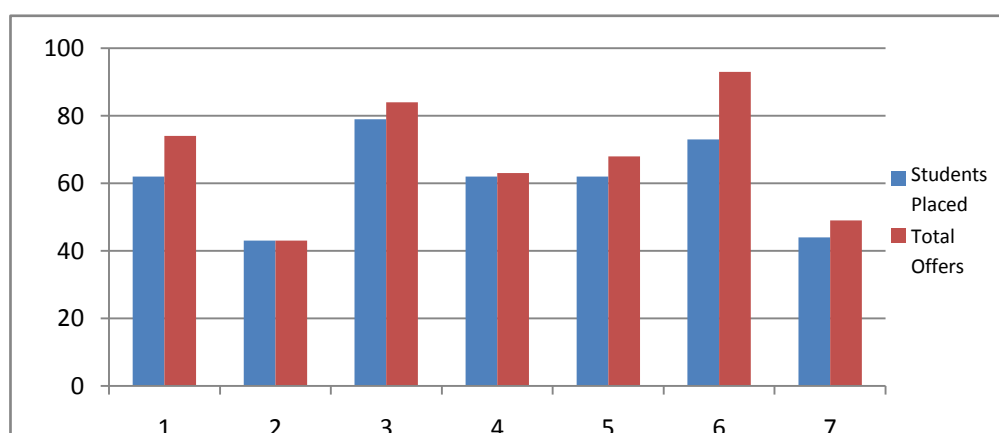
- Summer Internship Program under TEQIP III on Computational Techniques and Hands-on Practice on Membrane Fabrication, June 05 - July 19, 2018
- Electric Vehicle Infrastructure: Faculty Development Programme at Department of Electrical Engineering, July 16-20, 2018
- FDP on Smart Electronic Systems & IoT for Smart City, July 30-August 04, 2018.
- FDP on Selected topics in Control System Theory - Fundamentals, Advances and Future Directions, August 09-13, 2018

Training & Placement/ Packages

Salient features of training and placement till 25th May 2018

- Highest Pay Package Rs. 40 LPA to students of Computer Science Engineering.
- Major companies that visited the campus: Adobe, D.E. Shaw, Arcesium, Amazon, Goldman Sachs, Hero, JP Morgan, Maruti Suzuki, Bajaj, Deloitte, Denso, L&T, Vedanta, Resonance, Subros, HMEL, TATA Motors, Reliance, Suzuki Motors, etc.
- Total number of offers given to the B.Tech students: 474.
- Companies like Reliance, Daikin, Amazon, Fidelity, Mahindra, Goldman Sachs visited the Institute to hire interns from III year.
- 48 students from PG courses have got placements. 16 of these are from MBA program. The average package of MBA program was 5.49 LPA. The companies that recruited MBA students were Linde Group, Extramarks and Jaro Education.

S.No.	Branch (UG)	Average Package (LPA)	Students Placed	Total Offers	Total Eligible & Interested Students for Placements	Highest Package (LPA)
1.	Chemical Engineering	7.10	62	74	67	17.3(BPCL)
2.	Civil Engineering	5.20	43	43	54	12.93 (Futures First)
3.	Computer Engineering	14.0	79	84	83	40(Adobe)
4.	Electronics	9.47	62	63	92	32(Arcesium)
5.	Electrical Engineering	6.1	62	68	75	12(JPMC)
6.	Mechanical Engineering	7.20	73	93	73	17.3(BPCL)
7.	Metallurgy	5.75	44	49	53	12.93(Fidelity)



Felicitation Ceremony on April 11, 2018





MNIT Family Welcomes the New Entrants



Coordinator:
Dr. (Mrs.) Dipti Sharma



Co- Coordinator:
Dr. Deepak Verma



Technical Coordinator:
Mr. Minu Khemnani



Mr. Arpan Khandelwal



Mr. Shrey Jain

Student Coordinator & Member

