

MNIT NEWSLETTER

Issue 2, March 2012



MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

MNITJ NEWS

Director's Message

The second issue of the Institute Newsletter is now in your hands and I am happy to share with you the various activities on the campus that have made 'news' this quarter.

The visit of the Former President of India, Hon'ble Dr. A.P.J. Abdul Kalam to MNIT was, to my mind, a truly historic event. His enthusiasm and keen wisdom ignited the minds of all who came in contact with him. We were indeed fortunate to have had him amongst us. The Institute was also witness to various academic activities such as training programs on such areas as Energy Simulation for LEED and ECBC, Sewage Treatment and Bridge Design and workshops were organized by the various departments. Prestigious projects and grants have been awarded to some departments, which speaks highly of their commitment to research and development. Our students have won awards and prizes from other Institutes of the country and we exhort them to keep their Institute's banner flying high. It is the young who will take the country into the future and it is they who should be sufficiently equipped with current advancements in their chosen fields.

Much has been achieved, but there remains a lot to be done. Progress is the result of collective effort. An organization grows with the contribution of each of its members who together resolve to put the organization's goals before their own. We need to pursue our mission with dedication and responsibility in order that we may realize the vision of our Institute. For, as Helen Keller said: "The most pathetic person in the world is someone who has the sight, but has no vision".

Prof. I. K. Bhatt



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

- ❖ The **RUIDP**-sponsored training programmes were conducted by the Department of Civil Engineering and Department of Architecture on Master Planning (12-14 December, 2011), Sewage Treatment (20-22 January, 2012), and Bridge Design (24-26 February 2012).

- ❖ The Department of Electrical Engineering organized a Short-Term Course on "**Power System Restructuring and Electricity Markets**" from 19-23 December, 2011. The coordinators of the course were Dr. Rohit Bhakar and Mrs. Purna Jain.

The Chief Guest of the inaugural function was Sh. Shailendra Agarwal, CMD, RVPNL & the Guest of Honour was Dr. S.L. Surana, Director (Academics) SKIT and the Director, Prof. I.K. Bhat presided over the function.



Inauguration of short term course
Power System Restructuring and
Electricity Markets

- ❖ An International Training Program on **Energy Simulation for LEED and ECBC** was conducted jointly with IIIT Hyderabad, 19-22 December, 2011 at IIIT Hyderabad. Core faculties of the programme were Dr. Vishal Garg from IIIT Hyderabad and Dr. Jyotirmay Mathur from MNIT Jaipur.

- ❖ The Department of Structural Engineering, MNIT Jaipur successfully organized the 4th International Conference on **Structural Stability and Dynamics (ICSSD-2012)**, during 4-6 January 2012, in collaboration with Department of Mechanical Engineering, Texas A&M University, Texas (USA). The Conference was inaugurated



by Ms. Vibha Puri Das, Secretary, Ministry of Human Resource Development, and Govt. of India, with Prof. Pardipta Banerji, as Guest of

Honour, Prof. I. K. Bhat, Patron, ICSSD and Prof. J. N.



Reddy, Chairman, ICSSD and Dr. M. K. Shrimali, Co-Chair, ICSSD.

- ❖ A Short-Term Course on "**Wireless and Optical Communication Technologies**" was organized by Department of Electronics & Comm. Engg. from 9-13 January, 2012. The coordinators of the course were Dr. Ritu Sharma, Dr. Vijay Janyani, Ghanshyam Singh & Dr. Rajesh Kumar.

- ❖ A Basic Course in **German Language** was inaugurated by the Director Prof. I.K. Bhat on 16 January 2012 to be run by the Department of Humanities and Social Sciences for the students of the Institute. Part one of the Basic Course in German will continue till May this year, while the second part will run in MNIT Jaipur from July to November 2012. The classes of the German language course are held in the evening and on holidays to facilitate the students to attend them. Eminent faculty of German language like Prof. Pawan Surana and Mr Hemant Agarwal are engaging the classes of the course.



Inaugural session of basic course in German Language

- ❖ A three-day Training Program for **Evaluators and Trainers of Green Building Rating System: GRIHA** was organized by Center for Energy



Participants of Evaluators and Trainer of Green Building Rating System: GRIHA

and Environment on **18-20 January, 2012**. Forty participants from different fields participated in the event. A one-day Training Program on **“Scanning Electron Microscope (SEM)”** for Ph.D students of MNIT was organized by Committee, Instrumentation Center on **2nd February, 2012** at Design Center. The Instructors were Prof. S. K. Sharma, Dr. K. Sachdev and Mr. R. K. Duchania.

Activities

- ❖ The Sixth Convocation of the Institute was held on **17**

December, 2011 amid traditional pomp and ceremony. Prof. D. P. Agarwal, Chairman, UPSC, was the Chief Guest on the occasion which was also graced by Guest of Honour, Justice S.N.Bhargava, Retired Judge, Rajasthan High Court and other distinguished guests. As the Convocation was held after a gap of two years, 879 B.Tech. degrees, 350 M.Tech. degrees and 26 PhD degrees were awarded. The first issue of the MNIT Newsletter was distributed to all present.



Director's speech/address for sixth convocation



Distribution of degrees in sixth convocation

Prof. I. K. Bhat, Director MNIT Jaipur, presented the O. P. Jindal Engineering and Management Scholarship (OPJEMS) to the winners for year 2011. Four MNIT students:



Director presenting O.P. Jindal scholarship



Winners of O.P. Jindal Scholarship

1. Ashish Gupta (I year Electronics and Communication Engineering),
2. Mohit Maheshwari (II Year Computer Engineering),
3. Rashi Kumawat (III year Electronics and Communication Engineering)
4. Mohit Bansal (IV Year Civil Engineering) have been awarded this scholarship this year. The scholarships are aimed at encouraging and promoting academic and leadership excellence of meritorious students of the leading Engineering and Management institutes in the country.

- ❖ The building for Centre for Energy and Environment was inaugurated on **26 January,**

2012 by Prof. I.K. Bhat. The Centre has been housed in the refurbished building that was earlier used as Academic Section.

Management, Sanganer, Jaipur on **10-11 February 2012**. The event included many management and technical contests where students'

and more than 764 students participated in the MST'12 tournament. In the closing ceremony Arjun Awardee & Padmashree Awardee **Mr. Devender Jhanjaria** (Para Athlete) gave away the prizes to winners of different games/sports. **MNIT** became overall champion by winning Overall Championship with 06 Winners Trophies in Basketball (Men), Badminton (Women), Cricket (Men), Table Tennis (Men & Women) and 04 Runners Up Trophies in Badminton (Men), Volleyball (Men) Chess (Men & Women) and Volleyball (Women).

❖ MNIT Table Tennis (Men & Women) team became Champion in the All-India Sports Meet, organized by Gyan Vihar University, Jaipur, Rajasthan.

❖ Creative Arts Society of MNIT Jaipur organised the Annual Techno-Cultural Fest of MNIT Jaipur titled **PRIMAVERA**, from **24-26 February 2012**, with the theme of "**DOOMSDAY 2012**". Over **100** colleges

Students Activities / Physical Education & Sports

❖ Management students opting International Business as open elective in Semester – II visited "**Unique Cargo Movers**" a custom house agent to understand the nuances in documentation process involved in exports. They also visited **CONCOR India Ltd.**, Kanakpura, Jaipur to study the custom clearance formalities and logistics of a dry port in January 2012.

❖ Eight students of the Department of Management studies participated in **HR Conclave – 2012** a national level event organized by Confederation of Indian Industries (CII), Jaipur Chapter on **10-11 February 2012** at SMS Convention Centre, Rambagh Palace, Jaipur. The theme was "**Future is here: Leveraging HR for Organization Success**".

❖ Five students of the Department of Management studies participated in **ABHYUDAYA** – a national level management event at Jaipuria Institute of

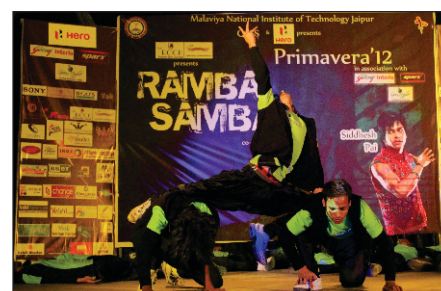
learning was enhanced in areas like team work, leadership, gaming, etc.

The **Annual Athletic Meet** and prize distribution was organised by Dr. Virender Singh, Assistant Sports Officer



on **21-22 January 2012**, for the students of MNIT. The title of **Best Athlete in Boys** was won by **Mr. Hemant Kumar** and that of **Best Athlete in Women** was won by **Ms. Garima Charan**.

❖ **The MST'12** Sports Tournament was organised from **16 to 19 February, 2012** in the Institute. On the occasion of the inauguration, **Prof. Sandeep Sancheti** (Director NIT Delhi) was the Chief Guest, **Prof. Rajat Gupta** (Director NIT J & K) was the Guest of Honour and **Prof. I. K Bhatt** (Director MNIT Jaipur) presided over the function. As many as 30 colleges / institutes



Events of PRIMAVERA

across India participated with a footfall of over **10,000 participants**. A potpourri of more than **60 events** from the 'inertia and momentum' lovers to the literary inclined to the fashion maniacs, from workshops on nerve-wracking coding and hacking to an opportunity to shake a leg on your favorite hip-hop and salsa numbers, **Primavera** had it all.

A special performance was given by **SIDDHESH PAI** of **Dance India Dance** fame, who connected with the audience instantly.



Inauguration of newly constructed hostel by Dr. Abdul Kalam

Associate Director-Finance, MTS, India was organized in the senate room on **15 February, 2012**. The lecture highlighted the changing role of executives and managers in organization towards achieving maximum

Quality and Energy efficiency in Commercial Buildings'. The key speaker of the program was **Dr. S.C. Chandra**, National University of Singapore, Singapore. The program was organized in association with ASHRAE- India Chapter, and ASHRAE Jaipur Chapter. About 60 participants including professionals from the field participated.

❖ The Chairman Board of Governors, MNIT **Prof. K.K. Aggarwal** visited the Institute from **22-23 March, 2012** and interacted with the Deans, Heads of Departments, Coordinators and faculty members.

Distinguished Visitors/Expert Lectures in the Departments

❖ Former President of India Hon'ble **Dr. APJ Abdul Kalam** graced the Institute with his presence on **31 December 2011**. An inspiring figure for students and faculty alike, Dr. Kalam stressed the need for honesty and integrity in our youth.

❖ Prof. I. K. Bhatt, Director, delivered an educative lecture on "**Secrets of Success**" to the students of the Institute on **10 February, 2012**.

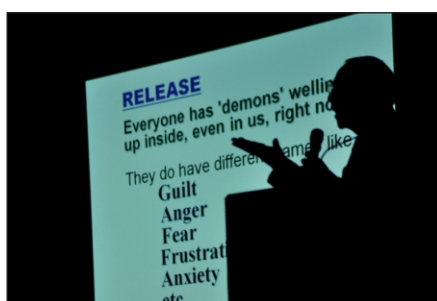
❖ As part of Institute Guest Lecture Series a lecture on "**The Role of Finance Personnel in Service Sector**" by Mr. Vivek Singhal,



Interaction of students with Dr. Abdul Kalam

profitability.

❖ **Shri Ashok Thakur**, Special Secretary, Ministry of Human Resource Development, visited the Institute on **25 February, 2012** and held an



Director, MNIT Delivering a talk to students of MNIT

interactive session with the Heads of all departments and the Deans.

❖ **ASHRAE** Distinguished Lecture Program was organized on **24 February, 2012** on the topic "**Indoor Air**



Coordinator, Newsletter presenting a copy of the Institute's first Newsletter to Chairman BOG

Visit/Expert lectures delivered by Institute Faculty

❖ **Prof. S.K. Sharma**, Department of Physics delivered an invited talk "**Basics of Quantum Phenomena**" in DST INSPIRE

Camp for school children on **24 January, 2012** organized by Centre for Development of Physics Education (CDPE), University of Rajasthan, Jaipur during **21-25 January, 2012**.

❖ An invited expert lecture was delivered by **Dr. R.K. Vyas**, Department of Chemical Engineering on the topic **Wastewater Treatment and Reuse - A Choice or Compulsion?** at the Symposium on Chemistry and Environment held on **23 December, 2011** at Swami Keshvanand Institute of Technology, Management and Gramothan, Jagatpura, Jaipur.

❖ **Dr. Nupur Tandon**, Department of Humanities & Social Sciences, delivered an invited talk on **“Polishing Language and Drafting Skills”** at JECRC, Jaipur on **29 February, 2012** at a Workshop on **“Research Methodology & Scientific Writing”**.

❖ **Prof. Ashok Sharma**, Dept of Met. & Mat. Engg., (Dean FW) gave a lecture on **“Semi Solid Metal Processing, Grain Refinement & Modification of Al-7Si Alloy”** on **10 February, 2012** at Dept. of Engineering and Management, University of Padova, Vicenza (Italy)

Awards /Recognition Received Faculty's Achievements

❖ **Dr. G. S. Dangayach**, Department Mechanical Engineering has been appointed as Editor of Special

issue of International Journal **“Production Planning & Control”** on **“Diffusion of Operation Strategy and Tactics to Emerging Economy Countries”** published by **“Taylor & Francis”**, UK in **First Quarter of 2012**.

❖ **Dr. Nupur Tandon** has been nominated member of Executive Body of the ELTAI (English Language Teachers' Association of India), Jaipur Chapter.

❖ **Dr. G. S. Dangayach**, Department of Mechanical Engineering has been appointed as Honorary Secretary of The Institution of Engineers (India), Rajasthan State Center, Jaipur for session 2010-2012.

❖ **Dr. N. C. Upadhyay**, Department of Met. and Materials Engg. has been selected for Rajiv Gandhi Award for Excellence by India-International Friendship Society.

❖ **Dr. Subir Debnath**, Sports Officer Chair a Symposium session of the **International Seminar on Physical Education Recreation and Yogic Science, Banaras Hindu University, Banaras, from 19-21st January, 2012**.

Students' Achievements

❖ Ms. Bhumika Saini (2011 batch) has been awarded the IIM BEST STUDENTS AWARD by the Indian Institute of Metal, Kolkata, on the National

Metallurgical Day held at Hyderabad, **13-16 November, 2011**.

Projects / Research Grant received

❖ **Dr. Arpi Majumdar** under **Dr. Ragini Gupta's** supervision, started working on “Development of novel environment-friendly, reusable and air stable Pd(0)- and Cu(I)-catalytic systems for the C-C, C-N, and C-O Ullmann-type cross-coupling reactions” DST WOS-A project sponsored by DST worth **Rs.20 Lacs**.

❖ **Dr. Ragini Gupta**, Department of Chemistry received project grant from State DST worth **Rs. 14 Lacs** for **“Synthesis of Heterobioconjugates as possible Drug Candidates Using Click Chemistry Approach”**.

❖ **Prof S.K.Sharma**, (Physics Deptt.), received project grant from DAE/ BRNS worth **Rs 24 lacs** for **“SnO₂ based microwave sintered combustible gas sensors: study of grain size effects in enhancing the gas sensing behavior”**.

❖ The **Centre for Energy and Environment** has received a grant of **Rs. 50 lacs**. for development of laboratories and library facilities for renewable energy education at undergraduate, postgraduate and Ph.D. level. The Institute has signed an MoU with the Ministry of New and Renewable Energy (MNRE) for development of lab facilities and library as per the mandate of the Ministry.

Placement & Industry Institute Interaction

The Placements for the academic year 2011-12 have been remarkable till date. We are proud to say that a total of **603** (513 B.Tech, 79 M.Tech, 3 B.Arch. and 8 MBA) offers have been made to the students by **89** elite groups of companies.

❖ Salient Features of Placement 2011-12

- Highest Pay Package – Rs. 16 LPA by Microsoft IDC to 4 students of Computer Engineering
- Highest Average Pay Package of a branch – Rs. 6.55 LPA (Computer Engineering)
- Number of Companies Visited – 89
- Percentage placement of eligible B.Tech. Students has already crossed 100% mark.
- Number of placements by December this year is almost double of last year.
- M.Tech. placements have improved in comparison to last years.
- Average salary package this year is better than the last year's package.

Apart from this a few students also got Pre Placement Offers (PPO). The details are as

follows:

Major Companies Visited:

Some of the prominent core engineering companies that visited our campus this year are **Microsoft India, Qualcomm, ARM, SAP Labs, Atkins Global, NetApp, Winshuttle, Deloitte, Samsung India, Tata Motors, Hero MotoCorp, Oracle, Applied Materials, Cairn India, Reliance Industries Ltd., Lafarge Cements, Sony and Verizon.**

• While **ZS Associates, Futures First, Mu- Sigma, Headstrong** were among the few consultant companies which recruited candidates irrespective of their branch.

• Under the public sector undertaking organisations visiting our institute are **Indian Oil Corporation Ltd. (IOCL), Bharat Petroleum Corporation Ltd. (BPCL), Hindustan Petroleum Corporation Ltd. (HPCL), C-Dot and Rajasthan Electronics & Instruments Limited (REIL) Jaipur.**

Practical Training is an important part of any technical curriculum. The main aim is to prepare young students for future jobs. The Placement and Training Cell facilitates the

practical training of students in Companies / Industries / Organizations of National and International repute. Some of the students also get Research Internship offers from Germany, Canada, UK, Singapore, South Korea, Finland etc. Number of students receiving international internship is increasing. Students also go for research projects as summer interns in IIT's, IISc, IIM's and CEERI Pilani.

In the Academic Session 2011-12, a few third year students have been selected as interns in some reputed firms.

1. Microsoft India (MSIT) chose a student from Computer Engineering Branch with stipend of Rs. 25,000 per month.

2. Microsoft India (MSIDC) chose 4 students from Computer Engineering Branch with stipend of Rs. 25,000 per month.

3. Qualcomm chose 3 students from Computer Engineering & Electronics & Communication Engineering Branch with stipend of Rs. 20,000 per month.

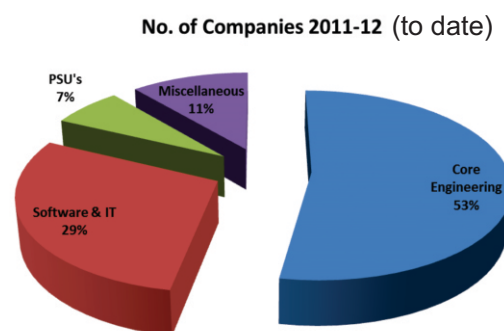
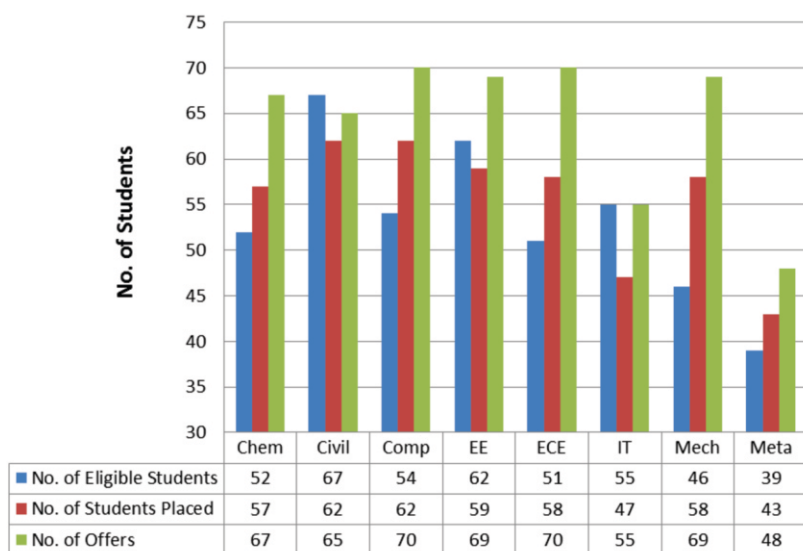
In the Academic Session 2010-11, a few third year students were selected as interns in some reputed firms.

1. Microsoft India (MSIDC) chose a student from Computer Engineering Branch.
2. Atkins Global chose two students one from Civil Engineering and one from Electrical Engineering Branch with stipend of Rs. 10,000 per month
3. Bajaj Auto chose two students from Mechanical Engineering.
4. Mahindra & Mahindra chose two students from Mechanical Engineering Branch with stipend of Rs. 15,000 per month.

The Placement & Training cell has also organized following two expert lectures for the betterment of students. A few more interactive sessions with the expertise are under pipe line.

the Placement & Training Cell has also organized two expert lectures for the betterment of students. A few more interactive sessions with the expertise are in the pipe line.

Branch - Wise Placements



Forthcoming Programmes

Malaviya National Institute of Technology will be conducting Centralized Counseling for M. Tech. Admission in this academic year 2012-13. M. Tech. admissions in all the National Institutes of Technology (NITs) under Ministry of HRD, Govt. of India, would be conducted through Centralized Counseling for M. Tech. (CCMT-2012).

Editorial Team

Dr. (Mrs.) Nupur Tandon,
Coordinator
Dr. Ragini Gupta, Member
Dr. Kanupriya Sachdev,
Member
Dr. Madhu Agarwal, Member
Ms. Kalpana Pandit, Member
Sri Anshu Saxena, Member

Note : The Information published has been received from the respective departments sections / faculty.