

MNIT NEWSLETTER

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MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR



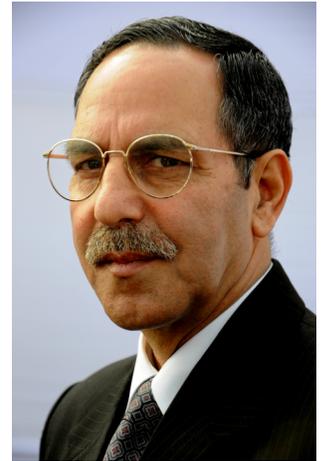
MINITJ NEWS

Director's Message

The first quarter of the Institute's Golden Jubilee Year was full of immense academic activity. Workshops and conferences were held in the departments of Electronics and Communications, Mechanical, Computer, Civil engineering, and others, on such diverse areas as recent advances in signal processing, machine intelligence, nanotechnology applications, surface coating techniques and the like. As part of the Invited Lectures, several eminent experts delivered enlightening talks on various topics that included, to name a few, eco-friendly composites, piping engineering, prevalence of nanoparticles in our daily lives, computer-aided engineering, and, interestingly, how to go to space. This year the All-India Advani Memorial Basketball Tournament was revived after a gap of sixteen years and was held as a five-day event in October. Ozone Day was celebrated with customary élan and the Rashtrabhasha Samiti celebrated a fifteen-day 'Hindi Pakhwada' that included numerous competitions and events for the students, faculty and staff of the Institute. Renowned personalities like Padamshree Shovana Narayan, also graced the campus as part of the SPIC-MACAY programme. I am sure that the next quarter will witness as much, if not more, enthusiasm on the campus as we move steadily towards the goals we have set ourselves.

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.



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

❖ A Short-Term Course on 'Recent Advances in Signal Processing & Communications' was organized by Department of Electronics & Communication Engg. from September 1-5, 2012. The participants in the STC were teachers and research scholars from Government engineering colleges in Rajasthan, MNIT Allahabad, and AIIMS Jodhpur and many private universities in and around Jaipur. The STC was inaugurated by Prof. K.K. Aggarwal, Chairman, BOG MNIT Jaipur. Prof. S.D. Joshi, IITD delivered the key-note address in the inaugural session.



❖ Department of Computer Engineering, organized a Short Term Course on Machine Intelligence. This course was open to faculty members and research scholars from Technical Institutes across the country and was held during September 10-14, 2012. The course was coordinated by Dr. Namita Mittal and Dr. Vijay

Laxmi.



❖ A two-day workshop on 'Idea to execution' was organized from September 12-13, 2012 at the Department of Management Studies by Nurture Talent Academy, India's 1st institute for training entrepreneurs & the Knowledge Partner for Masterplan, flagship B-plan competition of Confluence-International Business Summit of IIMA. Mr. Amit Grover, founder of Nurture Talent Academy was the expert mentor of the workshop. 70 students (16 teams) from all over Rajasthan participated.

❖ Department of Metallurgical and Materials Engg. successfully organized a two-day National Workshop on Steel Technology and Steel Forum Meet in our campus on 13th and 14th September 2012 for the training of steel research scholars of various institutes. Prof. I.K. Bhat, Director MNIT Jaipur was Chief Guest, Prof. Peter Hodgson, Director Deakin University, Australia and Mr. A.C.R. Das, advisor MoS, GOI, were Guest of Honor of the

event. Prof. Upender Pandel, HoD, of Metallurgical & Materials Engineering Dept. presided over the function.



❖ Department of Civil Engineering organized a Short-Term Training Programme (STTP) under Golden Jubilee Celebrations for RUIDP Engineers on " **Preparation of Master Plan and other Requirements for Urban Areas**" from September 21-23, 2012. Dr. Mahesh Kumar Jat, Department of Civil Engineering and Shri Satish Pipralia, Department of Architecture & Planning coordinated the program. The Program was inaugurated by Prof. I. K. Bhat, Director, MNIT Jaipur.



Director Addressing Participants

❖ Department of Management Studies and EDC hosted the initial rounds of **TIE International Business Plan Competition (TIBPC)** on

September 30, 2012. TiE Business Plan Competition is one of the world's biggest business Plan competitions in collaboration with Rice University, Texas, USA. A Launch Program was organized to inform all interested candidates about TiE BPC in which 220 participants from over 15 engineering and management institutes from all over Rajasthan attended, Speakers from TiE included Mr. Manuj Goyal, President of TiE, Rajasthan, Mr. Mahavir Pratap Sharma, Board of Trustee, TiE Global, Mr. Sanjay Yadav, Co-founder, RAIN and Mr. Sharad Kr. Kamra, Executive Director, TiE Rajasthan.

❖ An All-India Seminar on “**Nanotechnology Applications**” was held at Design Center, MNIT from **October 6-7, 2012.**



❖ A CDP (Community Development Programme) on 'Working Knowledge of AutoCAD' was conducted from October 15-19, 2012 in the recently established Centre of Excellence for Design, by Dr. Harlal Singh Mali, Assistant Professor in Mechanical Engineering Department. The course was aimed to enhance the productivity of unemployed / under-employed youth



working as computer operators, attendets and maintenance staff and also to create a pool of AutoCAD draftsmen in the vicinity. The valedictory function of the programme was organised on October 22, 2012. Prof. IK Bhat, Director awarded certification of completion to 23 participants.

❖ **M e c h a n i c a l**



Certificates being awarded by Director

Engineering Department organized a one-day workshop on Curriculum Development. The workshop was inaugurated on October 27, 2012. Prof. G. S. Danagayach, Convener of the workshop started the proceedings of workshop with a welcome address. Prof. Rakesh Jain, HOD Mechanical Engineering Department then introduced the theme of the workshop which was followed by vision and opening remarks by Prof. I.K. Bhatt, Director, MNIT,

Jaipur.

❖ Department of Management Studies, in association with TEQIP,



Mahindra World City and RIICO, organized a one day Management Conclave on the theme “**Challenges in Managing Human Capital in the 21st Century**” on November 9, 2012 at the Mini Auditorium, MNIT. Academicians and experts from various industries participated in the event. More than 200 students from



MNIT and other regional colleges participated in the event. The function was inaugurated by Prof. I. K. Bhat, Director, MNIT and inaugural speech was delivered by Prof. APS Rathore, HoD, Department of Management Studies.

❖ The Department of Management Studies, MNIT Jaipur organized one day Workshop on Curriculum Development on November

17, 2012. The main objective of this workshop was to restructure the curriculum of MBA program. In this workshop various eminent experts from Academia and industry participated and deliberated on the model curriculum for MBA program. Workshop was inaugurated by **Prof. I. K. Bhat, Director, MNIT** by sharing his views on



the vision and model curriculum of MBA.

- ❖ A one-day workshop on "Surface Coating Techniques" was successfully organized by the Department of Metallurgical and Materials Engg. on October 5, 2012. Prof. M.K. Totlani was Chief Guest of the workshop.

- ❖ A two-day National Training workshop on Environmental Impact Assessment was organized by Dr. Sanjay Mathur and Dr. Urmila Brighu from November 20-21, 2012 at the Design Centre, MNIT. Dr. V.S. Singh, Additional Chief Secretary, Govt. of Rajasthan was the Chief Guest and Dr. D.N. Pandey, Member Secretary, Rajasthan Pollution Control Board was the Guest of Honor at the inaugural ceremony that was presided over by Prof. I.K. Bhat, Director, MNIT. Prof.



Prof. M.K. Totlani delivering lecture on "Surface Coating Techniques"

Prasad Modak, from IIT Mumbai was the main trainer, Forty professionals working in the field of Environmental consultancy and representatives from Government agencies and

Shankar, Director, FlexGEN, Bangalore on September 25, 2012. Mr. Ganesh also shared his experiences with General Electric's (GE) Aviation



Technologies and Energy Technologies Group, and as R & D Engineer at Selco Solar,

Distinguished Visitors/Expert Lectures in the Departments

research scholars participated in the program.

- ❖ Under the Invited Lecture Series during Golden Jubilee celebrations of the institute, **Department of Chemical Engineering** organized an invited lecture on September 05, 2012. The Speaker was Prof. Samrat Mukhopadhyay (Department of Textile Engineering, IIT Delhi). The topic of lecture was 'Ecofriendly Composites'.

- ❖ Centre for Energy and Environment invited Mr. M. Anand, Sr. Counselor, CII-Godrej Green Business Centre to deliver invited lecture on '**Green Building Rating Systems**' on September 6, 2012.

- ❖ An invited talk on '**Challenges and Opportunities for Entrepreneurship in Renewable Energy**' was delivered by Mr. Ganesh

prior to founding FlexGEN.

- ❖ Mr. Richard Rooley, former President ASHRAE, visited the Centre for Energy and Environment on September 12, 2012, and delivered a talk on '**Energy**



Mr. Richard Rooley delivering his talk

efficiency issues in air-conditioning systems'. More than 100 students, research scholars from different departments participated in the event. The program was

supported by ASHRAE-India Chapter and ISHRAE MNIT Student Chapter.

❖ A round table discussion on 'Promoting green and energy efficient buildings in Rajasthan' was organized by the Centre for Energy and Environment in association with IGBC-Jaipur Chapter and CII-Rajasthan Section on September 22, 2012. Mr. Kishore Khaitan, former Chairman, CII-Rajasthan Section and IGBC-Jaipur President chaired the session. There were around 50 participants in the discussion including leading architects, builders, developers,



consultants, interior designers, equipment suppliers and students. The event was organized on the occasion of World Green Building Week. A Lecture on the book **The Foundations of Indian Culture – by Sriarobindo** was delivered by **Prof. S. C. Tyagi**, an Eminent Speaker on the subject from Sriarobindo Ashram, Puducherry, Ex Professor and Head of

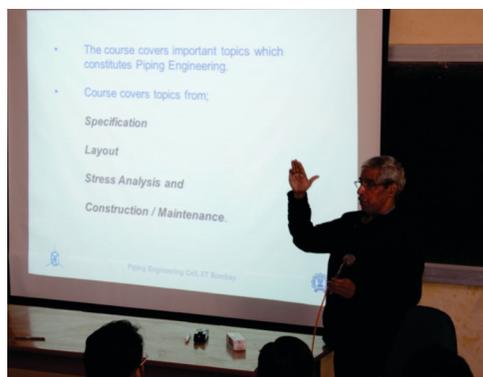


Department of Hindi, Saharanpur University on September 30, 2012.

❖ **Department of Chemical Engineering** organized an invited lecture by Mr. G. L. Arya, Dy. Manager, (Operations), IOCL, Sanganer, Jaipur on September 15, 2012.. The topic of lecture was "**Operation and Control of crude oil pumping station at Sanganer Jaipur**". Most of the faculty and students were present in this session. Many queries were resolved regarding the operation and control of crude oil. Various trouble shooting and remedies are discussed in detail regarding it. The talk was coordinated by Mr. Rajeev Dohare and Dr. Madhu Agarwal.

❖ A guest lecture on the topic "**Management Lessons from Indian Mythology**" was delivered by Mr. Vinay Modi, Director PT Education, Jaipur on October 19, 2012 at Department of Management Studies, MNIT.

❖ An invited lecture on Piping Engineering was delivered by Prof. A.S. Moharir under the Golden Jubilee Celebration. The lecture was organized in on November 9, 2012 by Dr. Kailash Singh, Dr. Madhu



Agawal, and Mr. Rajeev Dohare. The lecture covered mostly the work on piping layout, specification, and his course work.

❖ A lecture was organized by Physics Department on November 1, 2012, on Nano Technology & Applications. The lecture was given by Prof. R.P. Gupta, Former Scientist, Director Grade, CEERI, Pilani titled "Introduction to nanoscience, Nano Technology & Applications". He gave a very interesting talk on prevalence of Nano particles in our daily life & why nano particles hold so much of future. He also gave a sneak peek into the major developments in research on nano science.



❖ Community Development Cell organized a technical session on "Computer Aided Engineering (CAE)" on October 26, 2012. Key speaker of the event was **Professor J.S. Rao**, ASME Fellow, Chief Science Officer, **Altair Engineering**, Bangalore, President of Vibration institute of India, and Director on the Board of GMR Energy Group, Bangalore.

❖ The distinguished Professor **N Vedachalam**, Vikram Sarabhai Space

Centre, ISRO, Trivandrum visited our Institute during September 10-11., 2012 and delivered an interesting lecture on **How to Go to Space** specially for graduating students/research scholars and faculty.

❖ Department of Electronics and Communication organized an expert lecture on **“Fiber Optics to Sensing: A Versatile Technological Revolution and Latest Research Trends”** by Dr Sunil K Khijwania of IIT Guwahati, on September 20, 2012 under the aegis of Golden Jubilee year of the Institute

❖ **Dr. Chirashree Ghosh**, Dept. of Environmental Studies, University of Delhi, delivered an expert lecture on **Demystifying Ozone: The Good, the Bad and the Hole** on the occasion of Ozone Day Celebration in the Institute.

Awards / Recognition Received / Faculty's Achievements

❖ Prof. A.B. Gupta, Civil Engg. Department was the guest of honour at one day seminar on “Appropriate climate-responsive technologies for inclusive growth and sustainable development” organized by Institution of Engineers (India), Jaipur, on September 9, 2012 for the

inaugural session.

Students' Achievements

❖ Students participated in the **“Internship Contest”** organized at JK Laxmipat University, Jaipur on September 8, 2012. The contest involved internship presentations by MBA students from several prestigious institutions. Ritika Sharma, student of 3rd Semester MBA, DMS, MNIT won 2nd prize at the contest.

❖ This year MNIT students and Alumni organized the “16th All India Advani Memorial Basketball Tournament” in the celebration of its Golden jubilee year from October 17-21, 2012. Eight men's and five women's professional teams participated in the event.

❖ As part of the **NEURON 2012**, DMS organized **“Brand Mania”** and **“Business-Plan”** competition-**“Aagaaz”** on November 3, 2012. Teams from different institutes participated in these multiple-round events.

❖ Students of M.Tech. (Renewable Energy), Centre for Energy and Environment, visited the 6th **Renewable Energy Expo** at Greater Noida organized by Ministry of New and Renewable Energy and Ministry of Power, Govt. of India, on November 7-9, 2012. They interacted with more than 50 companies working in the field of energy and attended the technical sessions conducted by leading international experts covering recent advances in the field of

renewable energy.

Visit/Expert Lectures Delivered by Institute Faculty

❖ **Prof. A.B. Gupta**, Civil Engg. Department delivered an invited talk at IIT Guwahati titled “Research in multidisciplinary areas with special reference to the field of Environmental Science and Engineering” for the students and faculty of Civil Engineering Department of IITG on October 4, 2012. Prof. A.B. Gupta, Civil Engg. Department had delivered an invited talk at IIT Guwahati titled “Water quality and Health : upcoming challenges” for PAC, DST members as well as students and faculty of IITG on October 5, 2012.

Projects / Civil Works / Research Grant Received

❖ Institute signed MoU in September, 2012 with NITTR Chandigarh for conducting training of teachers. Institute signed MoU in September, 2012 with IIT Mandi for student and faculty exchange and joint supervision of Ph.D. students. MoU was signed on October



MOU with IIT Mandi

1, 2012 with NIT Hamirpur for mutual support of endeavours in delivery of academic programmes and research activities. MoU was signed



MOU with NIT Hamirpur

with Florida International University, Florida for student exchange.

❖ Renovation of Mineral Processing and Mechanical Metallurgy laboratories were completed. Mechanical Metallurgy laboratory was inaugurated on 1st September 2012 by Prof. K.K. Agarwal (Chairman of MNIT Jaipur).

Other Information

❖ Institute celebrated 'World Ozone Day' on Sunday, September 16, 2012. Poster Competition and Exhibition on Measures to Control Ozone Depletion was

organized on this occasion. The famous danseuse Ms. Shovana Narayan, enthralled the MNIT audience with her performance in the Institute on October 19, 2012.



Placement & Industry Institute Interaction

A total of **656** (556 B.Tech, 86 M.Tech, 6 B.Arch. and 8 MBA) offers have been made to the students by **109** elite groups of companies.

- Microsoft IDC selected 4 students with 16.0 lacs per annum offer
- BPCL selected 10 students with 9.80 lacs per annum offer
- Microsoft IT selected 3 students with 10.15 lacs per annum offer
- FreeScale selected 2 students with 5.5 lacs per annum offer
- Futures First selected 3 students with 7.6 lacs per annum offer
- Hero Motor Corp. selected 4 students with 5.86 lacs per annum offer
- Samsung Engineering Lab(SEL) selected 7 students with 6.3 lacs per annum offer
- ARM Embedded selected 2 students with 8.20 lacs per annum offer
- Cairn India selected 3 students with 6.90 lacs per annum offer
- Oracle selected 1 student with 6.6 lacs per annum offer
- Samsung India selected 4 student with 4.48 lacs per annum offer
- Mu-Sigma selected 10 students with 6.0 lacs per annum offer
- Indus Valley Partner selected 1 student with 5.75 lacs per annum offer
- Cummins selected 8 students with 4.9 lacs per annum offer
- Embedded Infotech selected 8 students with 6.0 lacs per annum offer
- IOCL selected 7 students with 9.3 lacs per annum offer
- ZS Associates selected 9 students with 7.37 lacs per annum offer
- Tata motors selected 12 students with 6.53 lacs per annum offer
- C-DOT selected 7 students with 7.8 lacs per annum offer
- Samsung India Software Center (SISC) selected 12 students with 5.3 lacs per annum offer
- Bajaj Auto selected 3 students with 6.76 lacs per annum offer
- Deloitte selected 23 students with 6.27 lacs per annum offer
- Winshuttle selected 2 students with 7 lacs per annum offer
- Drishti-Soft selected 2 students for the post of

Research Engineer with 8 lacs per annum (Pre Placement Offer)

- Atkins Global selected 6 students with 5.2 lacs per annum offer
- NetApp selected 3 students with 6.88 lacs per annum offer
- Applied Material selected 1 student at package of 8.42 l.p.a and 2 mechanical Students with 8.42 lakh per annum offer

हिंदी पखवाडा- 2012

मालवीय राष्ट्रीय प्रौद्योगिकी संस्थान जयपुर में 13 से 27 सितम्बर 2012 तक हिंदी पखवाड़े का आयोजन संस्थान के राजभाषा प्रकोष्ठ द्वारा किया गया। हिंदी पखवाड़े का उद्घाटन समारोह 13 सितम्बर 2012 को हुआ। इस अवसर पर राजस्थान विश्वविद्यालय के हिंदी विभाग के विभागाध्यक्ष प्रो. नन्दकिशोर पाण्डेय समारोह के मुख्य अतिथि थे। कार्यक्रम के विशिष्ट अतिथि लखनऊ विश्वविद्यालय के हिंदी एवं पत्रकारिता विभाग के पूर्व विभागाध्यक्ष प्रो. सूर्य प्रसाद दीक्षित थे। समारोह की अध्यक्षता मालवीय राष्ट्रीय प्रौद्योगिकी संस्थान जयपुर के अधिष्ठाता प्रशासन प्रो. आलोक रंजन ने की। इस अवसर पर प्रो. नन्द किशोर पाण्डेय ने हिंदी भाषा को अपने समाज की, गांव की, तथा अपनी माटी की भाषा बताया और कहा कि हिंदी को अपना सम्मान दिलाने हेतु हम सबको हर संभव प्रयत्न करन होगा। प्रो. आलोक रंजन ने इस बात पर बल दिया कि हम सबको हिंदी में लिखना व बोलना चाहिए, यह हमारे लिए गर्व की बात है। प्रो. सूर्य प्रसाद दीक्षित ने अपने उद्बोधन में कहा कि हिंदी भाषा में वे सभी गुण हैं जो एक समृद्ध प्रशासनिक राजभाषा में होने चाहिए। अपने स्वागत भाषण में हिंदी पखवाड़ा के मुख्य संयोजक डॉ. राज कुमार व्यास ने कहा कि यह हमारे लिए गर्व की बात है कि पूरे विश्व में हिंदी बढ़ रही है एवं व्यावसायिक आवश्यकताओं की वजह से हिंदी का भविष्य उज्वल है। हिंदी पखवाड़े के कार्यक्रमों की जानकारी डॉ. कैलाश सिंह ने दी। श्री सुशांत उपाध्याय ने धन्यवाद ज्ञापन देते हुए वैदिक ग्रंथों में उपलब्ध विज्ञान की जानकारियों के बारे में बताया। हिंदी पखवाड़े के दौरान 14 सितम्बर को हिंदी प्रश्नोत्तरी का आयोजन हुआ। हिंदी प्रश्नोत्तरी में 52 विद्यार्थियों और 14 कर्मचारियों ने भाग लिया। दिनांक 17 सितम्बर को हिंदी निबंध लेखन प्रतियोगिता आयोजित की गयी। इस कार्यक्रम में 76 विद्यार्थियों और 10 कर्मचारियों ने भाग लिया। तारीख 20 सितम्बर को वाद विवाद प्रतियोगिता का आयोजन हुआ। इस कार्यक्रम में 15 विद्यार्थियों और 03 कर्मचारियों ने भाग लिया। 22 सितम्बर को काव्य पाठ प्रतियोगिता का आयोजन हुआ। इस कार्यक्रम में 24 विद्यार्थियों और 05 कर्मचारियों ने भाग लिया। दिनांक 24 सितम्बर को आशुभाषण प्रतियोगिता का आयोजन किया गया। इस कार्यक्रम में 10 विद्यार्थियों और 04 कर्मचारियों ने भाग लिया हिंदी पखवाड़े का

समापन एवं पुरस्कार वितरण समारोह गुरुवार दिनांक 27 सितम्बर को सायं 3.30 से 6.00 तक आयोजित किया गया। समापन एवं पुरस्कार वितरण समारोह के मुख्य अतिथि सुप्रसिद्ध राजभाषा विशेषज्ञ डॉ. हरी सिंह राणा, प्रो.वाईस चांसलर, निम्स विश्वविद्यालय जयपुर थे। समारोह की अध्यक्षता मालवीय राष्ट्रीय प्रौद्योगिकी संस्थान जयपुर के डीन (प्रशासन) प्रो. आलोक रंजन की। कार्यक्रम का आरम्भ दीप प्रज्वलन एवं सरस्वती वन्दना से हुआ। कार्यक्रम के मुख्य संयोजक डॉ. राज कुमार व्यास ने अपने स्वागत अभिभाषण में कहा कि आज इन्टरनेट पर हिंदी का उपयोग बढ़ा है। डॉ. व्यास ने कहा कि विश्व में आज हिंदी समझने वालों की संख्या लगभग 80 करोड़ है। उन्होंने श्रोताओं का आह्वान किया कि बदलती तकनीकों के बाजार में हिंदी को चुनौतियों का सामना करने के लिए तैयार करें। राजभाषा प्रकोष्ठ के सदस्य एवं सह आचार्य डॉ. कैलाश सिंह ने हिंदी पखवाड़े के दौरान आयोजित विभिन्न प्रतियोगिताओं के बारे में विस्तार से जानकारी दी। कार्यक्रम के मुख्य अतिथि डॉ. राणा ने कहा अंग्रेजी को हिंदी में रूपांतरित करने में भावार्थ का ध्यान रखा जाना चाहिए। उन्होंने भावी अभियंताओं से अपील की कि वे ऐसे सॉफ्टवेयर बनाएँ जो मानवीय हावभाव को समझ कर अंग्रेजी का हिंदी में रूपांतरण कर सकें। उनका कहना था कि आज विश्व बाजार में 70 लाख द्विभाषकों की आवश्यकता है। प्रो. आलोक रंजन ने बताया कि खाड़ी देशों में भी हिंदी भाषियों कि उपस्थिति कि वजह से हिंदी का बोलचाल में उपयोग बढ़ा है। उनका मत था कि सूचना प्रौद्योगिकी क्षेत्र कि वजह से दक्षिण भारत में भी हिंदी भाषा का चलन बढ़ा है। उन्होंने हिंदी भाषा के उपयोग पर बल दिया। अपने संक्षिप्त भाषण में प्रो. अशोक शर्मा ने कहा कि दुनिया के कई प्रमुख देश जैसे जापान एवं चीन की तरह हमें भी अपनी मातृभाषा को प्रमुखता देनी चाहिए। इस अवसर पर मुख्य अतिथि ने विजेताओं के पुरस्कार एवं प्रमाण पत्र वितरित किये। कार्यक्रम के अंत में राजभाषा प्रकोष्ठ के सदस्य श्री अंशु सक्सेना ने धन्यवाद ज्ञापित किया।

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