



Refresher Course:-

To enhance & refresh the knowledge of the in service technologists and Engineers of the sugar factory, five days Refresher Course was organized at the Institute from 7th – 11th July, 2014 which was inaugurated by Prof. Dr. J.V. Vaishampayan, Vice Chancellor, CSJM University, Kanpur.

During the refresher course, twenty one lectures on various topics e.g. Overall International and National Sugar Scenario, Advantages of Multiple Effect Evaporator for Concentrating Spent Wash, Techniques of Reducing Sugar Loss, Bagasse Drying (a new trend of fuel saving), Slop Fired Boiler (the latest technique of zero discharge), Modern Methods of Energy Saving in Sugar Industry, Methods of Saving of Electrical Power, Treatment of Feed Water for High Pressure Boiler, Alternate Raw Material for Ethanol Production etc. were delivered by the faculty members of institute as well as by the eminent technologists, engineers & other experts from the sugar industry and other organizations.

Large no. of participants from Uttar Pradesh, Uttrakhand, Bihar, Gujarat, Maharashtra, Karnataka and Haryana attended the refresher course.



Scientific Society Inaugural Function –

The inaugural function of the Scientific Society under the Council of Student's Activities was organized on 03rd September 2014 at National Sugar Institute, Kanpur.



The function was inaugurated by Dr. N. P. Singh, Director, Indian Institute of Pulses Research, Kanpur. In his address, Dr. Singh called upon the students to study the technology available in other food processing industries so as to facilitate possible transfer of technology for overall development of sugar industry. A poster & debate competition on the topics “Co-generation in Sugar Factories” & “Ethanol Production as future fuel” was also organized and the participating students were awarded.



Seminars Organized:-

1. The institute organized an All India Seminar on “Diminishing Productivity of Sugarcane and Sugar recovery in Northern India – Reasons & Opportunities” jointly with The Sugar Technologists’ Association of India at Lucknow on 18th July 2014.

Large no. of delegates from U.P., Uttarakhand, Bihar & Haryana attended the same to discuss reasons for continuous lower productivity of sugarcane & sugar in sub tropic region & to draw action plan for improvement.



2. An All India Seminar on “Process Options to Produce Sugar for Domestic and Global Requirements” was jointly organized by National Sugar Institute, Kanpur, S. Nijalingappa Sugar Institute, Belgaum and Bharat Ratna Sir M. Visvesvaraya Sugarcane Research Institute, Mandya on 08th August 2014 at Mysore, Karnataka, Delegates from various sugar factories from the state and other parts of the country attended the seminar and seven technical papers were presented.

Seminars/Convention attended:-

1. Director and Shri D. Swain, Professor of Sugar Engineering attended the 44th Annual Convention of SISSTA at Vizag, Andhra Pradesh on 25th & 26th July, 2014. Addressing the delegates, Shri Narendra Mohan Called upon the delegates to take a pledge for undertaking water conservation in their factories so as to minimize fresh consumption.



2. Director attended a programme on “Biofortification of Food Crops”, as Guest of Honour on 04th August, 2014 at Indian Institute of Pulses Research, Kanpur.
3. Shri Narendra Mohan, Director, Shri Doctor Swain, Prof. Sugar Engineering, Shri M. K. Banerjee, Sr. Instrumentation Engg. and Dr. P.K. Jain, Physical Chemist attended 73rd Annual Convention of STAI at Bengaluru from 9th to 11th September, 2014. Shri Narendra Mohan, Director delivered the Gundu Rao Memorial Lecture on “Sugar Industry in India-Roadmap for Sustainable Profitability” at 73rd Annual Convention of STAI at Bengaluru. Shri M.K. Banerjee, Sr.

Instrumentation Engineer also presented a paper during the convention.



Extension Lecture:

Eminent Experts from the sugar industry delivered lectures on various important topics for the benefit of the students as well as faculty:

- I. “Raw Sugar Production – Indian Perspective” by Shri K. Jagdeesh, J.P. Mukherjee & Associates, Pune.
- II. “Design & Operation of Evaporators” by Shri S. K. Bhojraj, Sucrotech Equipments Pvt. Ltd., Pune.
- III. Shri A. K. Pandey, General Manager, Sugar Corporation of Uganda delivered a lecture on “Practical Hints for Achieving High Efficiency in Sugar Processing” at the institute. He described the working of sugar factories in Uganda and about the type of sugar produced there, particularly, keeping in view the demand-supply position in that country.



- iv. Shri S. K. Gupta, Ex Director, National Sugar Institute delivered a lecture on “Recent Advancements in Process House for Energy Conservation in Sugar Factories”. He described the various energy efficient devices and configuration to save energy thus to boost up power exports.



- v. Shri Narendra Mohan, Director delivered a lecture on “Various Aspects for Sustainable Profitability of Sugar Units” for final year Sugar Tech. & Sugar Engg. students.

Video Conferencing:-

Institute participated in the video conferencing programme on 05th August 2014 through which Hon’ble President of India addressed the staff and students of various Universities and technical institutions. The Hon’ble President of India addressed on the issue of “Democracy” and “Governance”.



Award:-

Research paper entitled “Treatment of Raw Distillery Effluent by Double Compartment Electrolytic Cell using KCL as Reference Electrolyte” under Environment and Co-product Section presented by Dr. P.K. Jain et al during 72nd Annual Convention of STAI at Lucknow was conferred with prestigious **Noel Deer Gold Medal Award for the year 2013-14.**

The award was received by Dr. P.K. Jain, Physical Chemist during the 73rd Annual Convention of STAI.



Orientation Programme:-

Institute arranged an Orientation Programme for the fresh batch students admitted during the academic session 2014-15 in various courses conducted by the institute.



Shri Narendra Mohan, Director addressed the students and stressed upon the need for maintaining discipline in all spheres of life. He advised the students to be more interactive with their teachers for rooting out their problems in studies and otherwise. Shri J. P. Shrivastava, Education In charge and other senior faculty members also addressed the students. The

senior and fresh batch students also expressed their views on this occasion.



Independence Day Celebrated:-

Institute celebrated 68th INDEPENDENCE DAY on 15th August, 2014.

On this occasion, Shri Narendra Mohan, Director hoisted the National Flag and called upon the staff and students of the institute to work hard with positive attitude, so that, the institute may achieve greater heights. He further emphasized upon improvement in teaching/training to the students and technical services being extended to the sugar and allied industry.





Army Seeks Technical Support:-

Major General M. P. Singh, Additional Director General-Supplies & Transport, Army HQ-New Delhi along with his team visited the institute on 8th July 2014 to seek institute help in testing quality of procured sugar & also for setting up laboratory in future.

Visitors from Abroad:-

A three members delegation from Iran led by Mr. Valiollah Taghipur, Industrial Research Deputy Manager, visited the institute on 19th & 20th August, 2014 to seek first hand information about the teaching/training programmes and consultancy activities of the institute.



Research Papers Published/Sent for Publications:-

- i. **“Sugar Industry in Northern India – Way Forward for Productivity Enhancement”** by Narendra Mohan presented at All India Seminar jointly organized by NSI-STAI at Lucknow on 18th July 2014.
- ii. **“A Panoramic view for Increasing Sugar Productivity & Profitability in Northern Indian Sugar Industry”** by Narendra Mohan, A. Bajpai & Narendra Dev presented at All India Seminar jointly organized by STAI at Lucknow on 18th July 2014.
- iii. **“Novel Conducting Polymer Electrode Clarification of Cane Juice”** by Dr. Sudhanshu Mohan, Z. Ali and R. Dwivedi published in Journal of Applicable Chemistry.
- iv. **“Innovative Approach to Enhance the Profitability of North Indian Sugar Factories”** by Narendra Mohan, Dr. A. Bajpai, S.K. Trivedi published in the proceedings of the 61st Annual Convention of DSTA – 2014.
- v. **“Need of SO₂% Analyzer & MOL Baume Measurement online in Sugarcane Juice Clarification Process”** presented during the 73rd Annual Convention of STAI at Bangaluru on 9th September 2014.

Consultancy Services:-

During the period July - September, 2014, consultancy services were provided to the

following:

- i. M/s Shrigonda SSK Ltd., Ahmednagar, Maharashtra.
- ii. M/s Jaihind Sugars Pvt. Ltd., Solapur, Maharashtra.
- iii. M/s G. M. Sugar and Energy Ltd., Sangur, Haveri, Karnataka.
- iv. M/s Athani Sugar Ltd., Vishnuannagar, Belgaum, Karnataka.
- v. M/s Saubhagya laxmi sugars Ltd., Gokak, Belgaum, Karnataka.
- vi. M/s Birla Sugars Ltd., Narkatiaganj, Bihar.
- vii. M/s Udagiri Sugars & Power Ltd.,, Barmani (Pare), Distt- Sangli, Maharashtra.
- viii. M/s Kancheshwar Sugars Ltd., Distt- Osmanabad, Maharashtra.
- ix. M/s Siddhnath Sugar Mills Ltd., North Solapur, Maharashtra.

Vishwkarma Pooja :-

Vishvkarma Pooja was organized in the Experimental Sugar Factory, Instrumentation Division & Agricultural Farm on 17th September, 2014 at the Institute.



Annual Sports 2014 –

Annual Sports under the auspices of Council of Students Activities were organized from 10th to 20th September 2014 at the institute. Besides team events e.g. inter class cricket & volleyball, individual events for chess, table tennis, badminton & athletics etc. were also organized.



Teacher's day Celebrated on 05th September 2014–

The Students of various courses organized a function celebrate the Teacher's day on 5th September 2014. On Occasion of teacher's day, Shri N. Mohan, Director, National Sugar Institute remembering Dr. S. Radhakrishnan delivered a lecture highlighting the role of teacher in character and career building of a student. Earlier, students welcomed the Director and all the faculty members with flowers.

Interactive Session for IAS Probationers:-

IAS Probationers visited the Institute on 29th August, 2014 to participate in an interactive session on “Issues Related to Sugarcane Production, Milling, Marketing, Management Cost and Recovery of Sugar” which was addressed by the Director, national sugar Institute, Kanpur.

They also visited Bureau of Sugar Standards & Experimental Sugar Factory of the institute to get first hand information about processing & sugar quality determination. They took keen interest to know about the existing sugarcane price fixation mechanism.



IAS Probationers



IAS Probationers

Interactive Session for PCS Probationers:-

PCS Probationers visited the Institute on 14th - 16th July, 2014 to participate in an interactive session on “Issues Related to Sugarcane Production, Milling, Marketing, Management Cost and Recovery of Sugar”.

They visited various laboratories & Experimental Sugar Factory of the institute to seek information about processing & sugar quality determination. They also visited to Bureau of Sugar Standards to see preparation of sugar standards which are prepared and sold by the institute to facilitate marketing of sugar.



PCS Probationers



PCS Probationers

सद्भावना दिवस 2014 :-

प्रत्येक वर्ष की भाँति इस वर्ष भी संस्थान में 20 अगस्त 2014 को सद्भावना दिवस के रूप में मनाया गया । जिसमें संस्थान के निदेशक महोदय ने अधिकारियों, कर्मचारियों एवं विद्यार्थियों को शपथ दिलाई ।



Appointments/Promotions:-

1. Dr. Ashok Kumar as Assistant Professor of Agriculture Chemistry.
2. Shri Sanjeeb Kumar Sardar as Junior Scientific Officer (Physical Chemistry)
3. Shri Brajesh Singh as Technical Officer (Instrument Engineering).
4. Dr. (Smt.) Seema Paroha as Prof. of Bio Chemistry.
5. Shri Virendra Kumar as Technical Officer (Instrument Engineering).
6. Shri A. K. Asthana as Junior Technical Officer (Sugar Technology).
7. Shri Vinay Kumar as Asstt. Prof. Sugar Engineering.
8. Shri Anup Kumar Kanaujia as Asstt. Prof. Sugar Engineering.

हिंदी पखवाड़ा-

सरकारी काम-काज में राजभाषा के रूप में हिंदी के प्रति जागरूकता तथा उसके उत्तरोत्तर प्रयोग में गति लाने के उद्देश्य से राजभाषा नीति के कार्यान्वयन एवं सम्यक अनुपालन को दृष्टि में रखते हुये संस्थान में कार्यरत अधिकारियों एवं कर्मचारियों के बीच प्रेरणास्रोत के रूप में दिनांक 01 सितम्बर, 2014 से 15 सितम्बर, 2014 तक हिंदी पखवाड़ा मनाया गया ।



दिनांक 15-09-2014 को हिन्दी दिवस संस्था में मनाया गया, जिसमें संस्था के प्रो० डी० मुखर्जी तथा

मुख्य अतिथि डा० अल्का मिश्रा (विभागाध्यक्ष, हिन्दी) जुहारी देवी गर्ल्स डिग्री कालेज, ने भी अधिकारियों एवं कर्मचारियों को कार्यालय के काम-काज में अधिक से अधिक हिन्दी में कार्य करने के लिए प्रोत्साहित किया तथा हिन्दी के महत्त्व से अवगत कराया । इस अवसर पर विभिन्न प्रतियोगिताओं के विजेताओं को पुरस्कार वितरित किये गये ।

इसके अतिरिक्त सरकारी काम-काज में हिन्दी डिक्टेशन, हिन्दी टिप्पण, आलेखन, हिन्दी आशुलिपि एवं हिन्दी टंकण के लिए प्रोत्साहन योजना वर्ष 2013-14 के लिए गठित कमेटी द्वारा अनुशंसा किये गये अधिकारियों एवं कर्मचारियों को भी पुरस्कार वितरित किये गये ।

New Setup in NSI-

1. A Language Laboratory has been setup in Survey & Information Division for use of students.
2. Ethanol & Co-generation Cell has been setup in Biochemistry & Sugar Engineering Division respectively to promote Co-generation & Ethanol Production in the country.
3. Internet facility has been extended to the students at Hostel no. 3 which was inaugurated by Dr. G.S.C. Rao, President, The Sugar Technologist's Association of India.

Placements:-

Campus interview were conducted by the various sugar factories & other companies to recruit students of various courses. During the period M/s K. M. Sugar Mills Ltd., Masauda, Faizabad, U.P., M/s Shrijee Process Engineering Works Ltd., Mumbai, M/s Innovation Chemicals, Kanpur, U.P., M/s DSCL Sugars Ltd. U.P. conducted interviews at the institute.

Plantation Programme:-

The institute along with Juhari Devi Girls Degree College, Kanpur organized a tree plantation programme on 14th August 2014. About 100 saplings were planted in various hostels.

