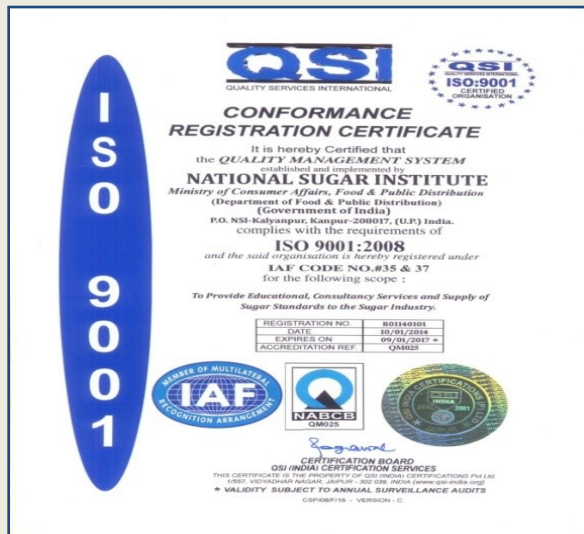




### Institute is ISO 9001:2008 Certified:

The institute has obtained ISO 9001:2008 Certification for the following scope: **“To provide Educational, Consultancy Services and Supply of Sugar Standards to the Sugar Industry”**.



### Seminars:

1. An All India Seminar on **“Productivity Enhancement In Ethanol Units & Alternate Feed Stocks”** was organized on 25<sup>th</sup> Feb, 2014 at S. Nijlingappa Sugar Institute, Belgaum, Karnataka which was attended by large no. of delegates from Karnataka, Maharashtra, Tamil Nadu and Uttar Pradesh. During the seminar 11 papers were presented by the research workers and technology providers on the

matters concerning, Deterioration of Molasses on Storage, Use of Enzymes to Enhance Fermentation Efficiency & Production of Ligno-Cellulosic Ethanol.



2. An All India Seminar on **“Water & Waste Water Management- Opportunity & Challenges”** was organized by the institute on 22<sup>nd</sup> March, 2014 at Hyderabad jointly with STAI, New Delhi. The institute presented a model **“Water Recycling & Management System”** for obtaining approx 10 % condensate as surplus for other miscellaneous uses which was highly appreciated by the delegates. Various ways & means for water conservation & its treatment to the extent to make it potable water, were also discussed.

## Commencement of the Experimental Sugar Factory:

In curriculum of various courses of Sugar Technology and Sugar Engineering discipline, there is provision to provide technical know-how to the students about the working of sugar plant. For this purpose, the Institute has a small Vacuum Sugar Plant, where in-plant training is provided to students of different courses to acquaint them with the various unit operations and processing technique to produce white sugar.



During the crushing season 2013-14, factory was operated for 45 days producing 114 Quintals of sugar.

## Extension Lecture on Production of Cellulosic Ethanol:

Mr. Heiko Lentfer from Germany delivered a lecture on "Cellulosic Ethanol" at the Institute on 04.02.2014. He presented details of the laboratory scale models for producing Cellulosic Ethanol from various cellulosic feed stocks.

Discussions were also held with him regarding developing techno-economic process for production of bio-ethanol from raw material like bagasse.



## Video Conferencing:

Video Conferencing facilities have also been installed at the institute. The institute participated in the Video Conferencing programme on 07.01.2014 through which Hon'ble President of India interacted with various universities & institutes. All the students, technical staff & faculty members were present on this occasion.



### Consultancy Services:

During the period January - March, 2014, consultancy services were provided to the following:

1. M/s Uttam Sugar Mills Ltd., Shermau, Distt.- Saharanpur, U.P.
2. M/s Fabtech Sugar Pvt., Ltd., Nandpur, Tal-Mangalvedha, Distt.- Solapur, Maharashtra.
3. M/s Sahakari Shiromani Vasant Rao Kale SSK Ltd., Chandrabhaganagar, Solapur, Maharashtra.
4. M/s Sar Senapati Santaji Ghorpade Sugar Factory Ltd., Belwadi-Kalamma, Kolhapur, Maharashtra.
5. M/s Riga Sugar Co. Ltd., Riga, Distt. Sitamarhi, Bihar.
6. M/s Hasanpur Sugar Mills Ltd., P.O.- Hasanpur, Distt. Samastipur, Bihar.
7. M/s Sadashivrao Mandlik Sahkari Sakhar Karkhana Ltd., Tal. Kagal, Kolhapur, Maharashtra.
8. M/s K. M. Sugar Mills Ltd, Motinagar, Faizabad, U.P.
9. M/s Indian Sugar Mfg. Co. Ltd., Taluka- Indi, Havinar, Distt.- Bijapur, Karnataka.
10. M/s Usher Eco Power Ltd., 630-Dautana, Teh.- Chhata, Distt.- Mathura, U.P.
11. M/s G. M. Sugar and Energy Ltd., Haveri, Karnataka.

12. M/s Ramala Sahkari Chini Mills Ltd., Ramala, Distt. Baghat, U.P.
13. M/s Bhima S.S.K. Ltd., Taluka-Sikander, Mohal, Distt. Solapur, Maharashtra.
14. M/s The Kisan Sahkari Chini Mills Ltd., Nanauta, Distt-Saharanpur, U. P.
15. M/s The Ganga Kisan Sahkari Chini Mills Ltd., Morna, Distt-Muzaffarnagar, U.P.
16. M/s The Kisan Sahkari Chini Mills Ltd., Sarsawa, Distt. Saharanpur, U.P.

### Research Papers published/presented:

1. **“Indian Alcohol Industry – Challenges & Remedies”** by Narendra Mohan & Santosh Kumar presented during All India Seminar on “Productivity Enhancement in Ethanol Units & Alternate Feed Stocks” held at Belgaum on 25.02.2014.
2. **“Significance of Amino Acids on Deterioration of Molasses on Storage”** by Alka Gupta & Santosh Kumar presented during All India Seminar on “Productivity Enhancement in Ethanol Units & Alternate Feed Stocks” held at Belgaum on 25.02.2014.
3. Shri Narendra Mohan, Director presented overview of the technologies to be developed for better by-product utilization through his paper entitled



“Wealth from Waste” during 6<sup>th</sup> Sugar Asia at Mumbai on 27.02.2014.



4. “A Study on Fresh Water Conservation and Waste Water Management in Sugar Industry” by Narendra Mohan & Vivek Pratap Singh presented during All India Seminar on “Water & Waste Water Management- Opportunity & Challenges” held at Hyderabad on 22.03.2014.

### Sugar Fest at Indian Institute of Sugarcane Research, Lucknow:

A three day sugar fest was organized by Indian Institute of Sugarcane Research, Lucknow from 15-17<sup>th</sup> February, 2014 in

which National Sugar Institute, Kanpur also collaborated. Director & other faculty members of the institute participated in the fest.



### Alumni Meet and Holi Milan:

NSI Old Boys Association celebrated the ALUMNI MEET & HOLI MILAN on 18<sup>th</sup> March, 2014 at National Sugar Institute, Kanpur.

On this occasion, large number of distinguished Alumni, Shri D.S. Dhahia (Vice Chancellor, OPJS University), Shri S.N.M. Tripathi (Advisor - Bajaj Group), Shri S. K. Gupta (Ex. Director- NSI, Kanpur), Shri R. B. Nigam (Ex. Director- NSI, Kanpur), Shri M. N. Bindal (Ex. General Manager-Production, U.P. Co-operative Sugar Factories Federation Ltd.,) Shri S. V. Sawas (General Manager - Production, Sant Tukaram Sugar Factory, Pune) Shri V.K. Jain, (Ex. Professor Chemical Engg.-NSI, Kanpur), Shri S. K. Gupta (Ex. Asstt Prof Sugar Tech.-NSI, Kanpur), Dr. L. P. Tiwari, (Ex. Asstt Prof Sugar Tech.-NSI, Kanpur), etc. graced the occasion and cherished old memories.

They appreciated the recent developments made at the institute for enhancing academic & technical activities.



## हिन्दी कार्यशाला :

संस्थान में दिनांक 13 मार्च 2014 को हिन्दी कार्यशाला का आयोजन किया गया।



इस कार्यशाला के मुख्य अतिथि श्री जगदीश प्रसाद जी, अनुवाद अधीक्षक, भारतीय तकनीकी संस्थान, कानपुर थे। उन्होंने कार्यशाला में उपस्थित मल्टीटास्किंग स्टाॅफ को हिन्दी के प्रयोग के बारे में विस्तारपूर्वक जानकारी दी।

## Skill Development Programme:

A programme was organized on 6<sup>th</sup> & 7<sup>th</sup> March, 2014 for imparting vocational and skill development training to the staff members of the institute. 15 staff members participated in the programme and were imparted training about Soft Skill, MS Word & MS Excel.





## Republic day – 2014:

विगत वर्षों की भांति इस वर्ष भी संस्था में 65 वॉ गणतंत्र दिवस विद्यार्थियों, कर्मचारियों एवं अधिकारियों की उपस्थिति में धूमधाम और हर्षोल्लास से मनाया गया।

निदेशक महोदय ने ध्वजारोहण कर संस्थाकर्मियों से अपील की कि वे संस्थान को उसका गौरव बनाये रखने में अपना योगदान दें तथा इसके चहुँमुखी एवं विज्ञानोन्मुखी विकास हेतु सतत प्रयास करें।



## Admission for Academic Session 2014 -15:

Admission notice regarding entrance examination 2014 for the courses conducted by the institute was published in all the leading news papers in the first week of March, 2014. Submission of applications for entrance examinations can be made online/offline. The last date for submission of application through online/offline is 01.05.2014. The details are available on institute website <http://nsi.gov.in>.

## Advisory Board Meeting:

47th advisory Board meeting of National Sugar Institute, Kanpur was held on 24.03.2014 at Krishi Bhawan, New Delhi under the Chairmanship of Joint Secretary (Sugar & Sugar Administration). The Advisory Board reviewed the working of the institute & made suggestions to improve the working of the institute further.

## Appointments/Promotions:

1. Dr. Ashutosh Bajpai as Professor of Sugar Technology.
2. Shri Doctor Swain as Professor of Sugar Engineering.
3. Shri J. P. Shrivastava as Chief Design Engineer.
4. Shri S. K. Trivedi as Assistant Professor of Sugar Technology.
5. Dr. Lokesh Babar as Junior Scientific Officer (Agriculture Chemistry).
6. Shri Sewak Ram as Senior Research Assistant (Mech. Engineering).
7. Shri Narendra Dev as Junior Technical Officer (Sugar Technology).