



REFRESHER COURSE:-

To enhance & refresh the knowledge of the in service Technologists and Engineers of the sugar Industry, five days Refresher Course was organized at the Institute from 6th – 10th July, 2015 which was inaugurated by Dr. B.K. Yadav, Managing Director, U.P. Cooperative Sugar Factories Federation Ltd., Lucknow.



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 to ensure zero liquid-discharge in distilleries.) Modern Methods of Energy Saving in Sugar Industry, Methods of Saving of Electrical Power, and Treatment of Feed Water for High Pressure Boiler, Alternate Raw Material for Ethanol Production etc. were delivered by the faculty members of the institute as well as by eminent Technologists, Engineers & other experts from the sugar industry and other organizations.

During the last day, a special session on “Water conservation and waste water discharge” was also organized keeping in view, the importance of matter in light of recent CPCB guidelines so as to ensure waste water generation up to 160 liters per ton of cane only.

Large no. of participants from Uttar Pradesh, Uttrakhand, 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 26th August, 2015 at National Sugar Institute, Kanpur.



Shri S. C. Agrawal, Ex. District Judge, Kanpur and Chairman, District Consumer Forum, Kanpur inaugurated the function. In his address, Shri Agarwal called upon the students to develop themselves into competent technologists and engineers by taking full advantage of experienced faculty and huge infrastructure facilities.



A poster competition on the topic “Environment Issues, Sugar & Ethanol Industry” and Elocution on “Value addition in Sugar Industry” was organized on this occasion. The winners are as under-

Poster competition winners-

1. Mr. Prabhat Kr. Agrahari-Summer Trainee
2. Km. Shaina Gaikwad-Resarch Scholar
3. Smt. Jyoti Raj-DIFAT

Scientific Elocution competition winners-

1. Mr. K.P. Vasantha- ANSI (SE)-II year
2. Mr. Mukul Mishra – ANSI(ST)-III year
3. Km. P. Veddula-ANSI (ST)-II year

SEMINARS ORGANIZED:-

1. The institute organized All India Seminar on “Sugar Industry – Emerging Trends” at NSI, Kanpur on 2nd September, 2015. Dr. A Mathlouthi, President, A Van Hook Associates, France delivered the keynote address on “Melting and Crystallization of Sugars: A Structural Approach” Various other eminent experts from the sugar industry also participated and made their presentation on the important topics viz. High

pressure co-generation system in the sugar industry, Technology advancement Vs energy conservation, Bio-fuels production in organic sugarcane farms and Innovative technologies for improvement in efficiency and quality to increase profitability. Large no. of delegates from U.P., Punjab & Haryana attended the seminar.



SEMINARS/ CONVENTION ATTENDED:--

1. Shri Sanjay Chauhan & Anoop Kanaujia, Assistant Professor of Sugar Engineering and Shri Brajesh Singh, Technical Officer (Instrumentation) presented their research papers during the 45th Annual Convention of SISSTA at Bengaluru, Karnataka on 25th - 26th July, 2015.
2. Director delivered a lecture on “Second Generation Bioethanol” during the training program organized by Bioenergy Mission Cell of U.P. Government at Lucknow on 15th July, 2015.
3. Director delivered the keynote address during the seminar organized by NISSTA,

IISR and Ministry of Agriculture on 22nd August 2015 at Lucknow. Dr. Jahar Singh, Assistant Professor Sugar Technology also attended the said seminar.

4. Shri Narendra Mohan, Director, Dr. Ashutosh Bajpai, Professor Sugar Technology, Shri D. Swain, Professor Sugar Engineering, Shri J.P. Srivastava, Chief Design Engineer, Shri Jitendra Singh, Assistant Professor Sugar Technology, Shri M. K. Banerjee, Senior Instrument Engineer, Shri Mahendra Yadav, Junior Technical Officer (Sugar Technology), Virendra Kumar, Technical Officer (Instrumentation), presented their research paper during the 11th Joint Convention of STAI & DSTA at Goa from 4th to 6th September, 2015.
5. Shri Narendra Mohan, Director inaugurated & addressed one day Business Meet on **“Policy, Techno Commercial & Financial issues in Integrated Distillery/ Ethanol Project along with Incineration Boiler & TG Set”** on 30th September, 2015. at Belgaum Karnataka.



EXTENSION LECTURES:-

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

1. Shri K. Jagdeesh, Consultant, J.P. Mukherjee & Associates, Pune, delivered a lecture on **“Clarification of Cane Juice”** on 8th July, 2015.



2. Shri K. Prakash, Marketing Head of Five-Cail KCP Ltd. delivered a lecture on **“Zero Effluent Discharge in Distilleries through Incineration Boilers”** on 4th August, 2015.
3. Shri S. K. Gupta, Ex. Director, National Sugar Institute, delivered a lecture on **“Modern Trends in Sugar Industry”** on 23rd September, 2015.
4. Shri D. K. Goel, Advisor, ISGEC delivered a lecture on **“Water Management in High Pressure Boiler”** on 24th September, 2015.



FELICITATIONS:-

1. Shri Narendra Mohan, Director was conferred with prestigious **“ISGEC Gold Medal –**

Engineering for Excellence – Process Technology” award for the year 2014-15 for his contribution to the sugar industry.



2. Research paper entitled **“Innovative Approach to Enhance Profitability of North Indian Sugar Factories”** by Narendra Mohan, A. Bajpai and S.K. Trivedi published in 61st Annual Convention of DSTA at Surat, 2014 was awarded as the best paper by DSTA for the year 2014-15.

Shri Narendra Mohan, Director and Dr. A. Bajpai, Prof. Sugar Technology received the award during the XIth Joint Convention of STAI and DSTA at Goa from 4th -6th September, 2015.



ORIENTATION PROGRAMME:-

Institute arranged an Orientation Programme for the fresh batch students admitted during the academic session 2015-16 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. Dr. P K Jain, 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 69th INDEPENDENCE DAY on 15th August, 2015.

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.



A Kavi Sammelan (Jashn-E-Azadi) was also organized on this occasion under the auspices of Council of Students Activities with the association of Khwahish Foundation. The event was made memorable by Mrs. Alka Mishra and her team of young poets, particularly, with their patriotic poems.



VISITORS:-

A delegation of Cane Development Officers and Quality Control personnel from various sugar factories visited the institute along with the officials of Indian Institute of Sugarcane Research, Lucknow. The Director delivered a lecture on “Ways and means to reduce sugar loss during processing” on the occasion.

RESEARCH PAPERS PUBLISHED/SENT FOR PUBLICATIONS:-

- i. **“Automation of Clarification Section in Sugar Industry: A Case Study”** by Brajesh Singh, Virendra Kumar and M K Banerjee presented by Brajesh Singh during 45th Annual Convention of SISSTA held from 24th - 25th July, 2015 at Bengaluru.
- ii. **“Boiler Soot Cleaning by Air Blasting Method”** presented by Sanjay Chauhan, during the 45th Annual Convention of SISSTA held from 24th -25th July, 2015 at Bengaluru.
- iii. **“Bagasse Based Integrated Gasification – Initiative for an Efficient Power Production in Indian Sugar Industries”** by Anoop Kumar Kanaujia, J.P. Shrivastava and Narendra Mohan was presented by Anoop Kumar Kanaujia during the 45th Annual Convention of SISSTA held from 24th – 25th July, 2015 at Bengaluru.

- iv. **“Cassava and Sugar Beet- The Alternative Feed Stocks for Alcohol Production”** by Santosh Kumar, Mrs. Seema Paroha and Narendra Mohan published in XIth Joint Convention of STAI and DSTA held from 4th to 6th September 2015 at Goa.
- v. **“Alternate Feed Stocks for Alcohol Production-Achieving EBP Success”** by Santosh Kumar, Mrs. Seema Paroha and Narendra Mohan sent for publication in All India Seminar of AIDA to be held in October 2015.
- vi. **“Use of Decanter in Cane Sugar Processing Retrospect and Prospect”** by Narendra Mohan, Jahar Singh & AK Garg sent for publication in the International Journal of Sugar Crop and related Industries.
- vii. **“Optimization of Lead Sub Acetate Quantity for Observation Of Optical Rotation of Boiling House Products”** by Ashutosh Bajpai, M. Chandra and M. Mandal published in Indian Sugar, August, 2015.
- viii. **“Foaming in Molasses Effect of Temperature, Organic and Inorganic Constituents”** by Kiran Singh, S. Mohan and Jitendra Singh, was presented by Jitendra Singh during the XIth Joint Convention of STAI & DSTA held from 4th -6th September, 2015 at Goa.
- ix. **“Cane Juice Clarification by Fermenter Gases for Production of direct Consumption Sulpherless White Sugar”** by Narendra Mohan, A. Bajpai, Narendra Dev and M. P. Singh was presented during XIth Joint Convention of STAI & DSTA by Dr. A. Bajpai held from 4th -6th September, 2015 at Goa.
- x. **“Comparative Evaluation of Carbonation & Phosphotation Process for Refined Sugar**

Production” by Narendra Mohan & Mahendra Yadav was presented during XIth Joint Convention of STAI & DSTA by Mahendra Yadav held from 4th -6th September, 2015 at Goa.

- xi. **“Thyristor Based Speed Control Techniques of Mill in Sugar Industry : A Case Study”** by Brajesh Singh, Virendra Kumar and M. K. Banerjee was presented during XIth Joint Convention of STAI & DSTA by Virendra Kumar held from 4th – 6th September, 2015 at Goa.
- xii. **“Bagasse Gasification – An Energy Efficient Option”** by Narendra Mohan, J. P. Srivastava and Anoop Kanaujia was presented during XIth Joint Convention of STAI & DSTA by JP Srivastava held from 4th – 6th September, 2015 at Goa.
- xiii. **“Need for On Line Turbidity Monitoring in Clarified Juice in Real Time”** by M. K. Banerjee presented during XIth Joint Convention of STAI & DSTA held from 4th – 6th September, 2015 at Goa.
- xiv. **“Energy Conservation- A Case Study”** by Sanjay Chauhan published in XIth joint convention of STAI and DSTA held from 4-6th September, 2015 at Goa.
- xv. **“Bagasse Drying- A Green& Efficient Solution to Significantly Meet out power Deficit in India”** by Anoop Kanaujia and D. Swain was presented during XIth joint Convention of STAI and DSTA by D. Swain held from 4th -6th September, 2015 at Goa.

CONSULTANCY SERVICES:-

During the period July - September 2015, consultancy services were provided to the following:

- i. M/s Shree Halasidhanath SSK Ltd., Shankaranand Nagar, Nipani, Belgaum, Karnataka.
- ii. M/s Raja Ram Bapu SSK Ltd. Tal. Walva, Sangali, Maharashtra.
- iii. M/s Gangakhed Sugar & Energy Ltd. Vijay Nagar, Makhani Kodri Road, Gangakhed, Prabhani, Maharashtra.
- iv. M/s The Kisan Cooperative Sugar Factory Ltd., Sarsawa, Saharanpur, U.P.
- v. M/s Ponni Sugars (Erode) Ltd. Odapalli Cauvery, Erode, Tamil Nadu.
- vi. M/s The New India Assurance Company Ltd., Sathyamoorthy Road, Chennai, Tamil Nadu.
- vii. M/s Shree Sidheswar SSK Ltd., Kumathe, Solapur, Maharashtra.
- viii. M/s Rajasthan State Ganganagar Sugar Mills Ltd., Sri Ganganagar, Rajasthan.
- ix. M/s Datta Sakhar Karkhana, Aurake Kolhapur, Maharashtra. A unit of Dalmia Bharat Sugars Ltd.
- x. M/s Vithal Refined Sugar Ltd. Solapur Maharashtra. M/s Jaihind Sugars Pvt. Ltd., Solapur, Maharashtra.
- xi. M/s Jaihind Sugars P.Ltd., Solapur, Maharashtra
- xii. M/s G.M. Sugar and Energy Ltd., Sangur, Haveri, Karnataka.
- xiii. M/s Athani Sugar Ltd., Vishnuannagar, Belgaum, Karnataka.
- xiv. M/s Saubhagya Laxmi Sugars Ltd., Gokak, Belgaum, Karnataka.
- xv. M/s Birla Sugars Ltd., Narkatiaganj, Bihar.
- xvi. M/s Udagiri Sugars & Power Ltd., Barmani (Pare), Distt- Sangli, Maharashtra.
- xvii. M/s Kancheshwar Sugars Ltd., Distt- Osmanabad, Maharashtra.
- xviii. M/s Siddhnath Sugar Mills Ltd., North Solapur, Maharashtra.

PREPARATION & SALE OF SUGAR STANDARD GRADES:-

An Expert Committee meeting was held on 28th September, 2015 at the Institute to approve the Sugar Standard Grades for the crushing season 2015-16 under the Chairmanship of Director, National Sugar Institute.

The Deputy Director (Sugar Technology), M/o Consumer Affairs, Food & Public Distribution and representative from National Federation of Co-operative Sugar Factories, Bureau of Indian Standards, Sugar Technologist Association of India, Indian Toxicology Research Institute, Lucknow and Indian Institute of Sugarcane Research, Lucknow, attended the meeting. The committee approved seven nos. sugar grades for the sugar season 2015-16.



VISHWAKARMA POOJA :-

Vishwakarma Pooja was organized in the Experimental Sugar Factory, Instrumentation Division & Agricultural Farm on 17th September, 2015 at National Sugar Institute.



ANNUAL SPORTS 2015 :-

Annual Sports under the auspices of Council of Students Activities were organized from 10th to 19th September 2015 at the institute. Besides team events e.g. Inter Class Cricket & Volleyball, individual events for Chess, Table Tennis, and Badminton & Athletics etc. were also organized.



सद्भावना दिवस 2015 :-

प्रत्येक वर्ष की भाँति इस वर्ष भी संस्थान में 20 अगस्त 2015 को सद्भावना दिवस के रूप में मनाया गया । जिसमें संस्थान के निदेशक महोदय ने अधिकारियों, कर्मचारियों एवं विद्यार्थियों को शपथ दिलाई ।



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 प्रेरणास्त्रोत के रूप में दिनांक 01 सितम्बर, से 15 सितम्बर, 2015 तक हिंदी पखवाड़ा मनाया गया ।



दिनांक 14.09.2015 को हिन्दी दिवस संस्थान में मनाया गया, जिसमें संस्थान के निदेशक श्री नरेन्द्र मोहन तथा मुख्य अतिथि डा एन0 पी0 सिंह, निदेशक, भारतीय दलहन अनुशंधान संस्थान, 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 महत्व से अवगत कराया। इस अवसर पर विभिन्न प्रतियोगिताओं के विजेताओं को पुरस्कार वितरित किये गये ।

इसके अतिरिक्त सरकारी काम-काज में हिन्दी टिप्पण, आलेखन, हिन्दी आशुलिपि एवं हिन्दी टंकण के लिए

प्रोत्साहन योजना वर्ष 2014-15 के लिए गठित कमेटी द्वारा अनुशंसा किये गये अधिकारियों एवं कर्मचारियों को भी पुरस्कार वितरित किये गये।

PLACEMENTS:-

Campus interview were conducted by the following sugar factories to recruit students of various courses during the period :

1. M/s Daurala Sugar Works Limited, Meerut, UP
2. M/s Kesar Enterprises Limited, Baheri, UP

ALUMNI MEET-

A alumni meet was organized on 8th January 2015 which was attended by large no. of alumni's working in the various parts of the country. On the occasion, a cultural programme (Kavi Sammelan) was also organized. The alumni cherished the old memories and applauded the developments undertaken in the Institute.

रक्तदान शिविर-

संस्थान में दि. 22 जुलाई, 2015 को मायाजंलि चैरिटेबिल ब्लड बैंक तथा रोटरी क्लब, कानपुर के सहयोग से एक रक्तदान शिविर का आयोजन किया गया। जिसमें अधिकारियों, कर्मचारियों एवं छात्र व छात्राओं ने 100 यूनिट रक्तदान किया।

