



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय

नवाबगंज, कानपुर - 208002, उ.प्र., भारत

HARCOURT BUTLER TECHNICAL UNIVERSITY

NAWABGANJ, KANPUR - 208002, U.P., INDIA

(Formerly Harcourt Butler Technological Institute, Kanpur)

Phone : +91-0512-2534001-5, 2533812, website : <http://www.hbtu.ac.in>, Email : vc@hbtu.ac.in



Criteria 3.3.3 Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students during the 2023-2024

Sample proof of Plastic Department

1. Two week „Executive Training Program: Polymer Engineering“ from 12th to 24th June 2023

Brief Summary of Program

The Executive Training Program on ‘Polymer engineering’ from 12-24, June, 2023 is organized by the department of Plastic Technology, School of Chemical Technology, HBTU Kanpur. The program was specifically designed for the IOCL officers to share and discuss about the polymeric materials, its chemistry, processing, application, characteristics and recent development in this field.

In this program, we have covered lectures on plastics and allied fields starting from Introduction and Chemistry of Polymer Engineering to Characterization and Application in different sectors. Lectures on manufacturing of monomers, Manufacturing of commercial polymers, kinetics of Polymerization, High performance polymers, Smart polymers, Biodegradable polymers, etc. are covered to give a broad idea on important field of plastic materials. The lectures were delivered by eminent Professors and Faculty members of department of Plastic Technology, Paint technology and Chemical engineering. To explore the aspects of polymers in the field on research, invited lectures are also organized from senior scientists of DMSRDE, DRDO Kanpur. In this program, we have also given hands on training on synthesis of polymers, processing of polymers, testing and characterization of polymers through lab classes for better understanding of the topic. Sessions on Quizzes and presentation by participants are also conducted for the self- evaluation purpose. Two day industrial visit has been also there for the practical understanding about this field in particular. Certificates were distributed to all the participating IOCL officers on the last day of the program.

The program was inaugurated by Prof. Shamsheer, Hon’ble Vice Chancellor of HBTU University.



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100+
YEARS
1921 - 2021





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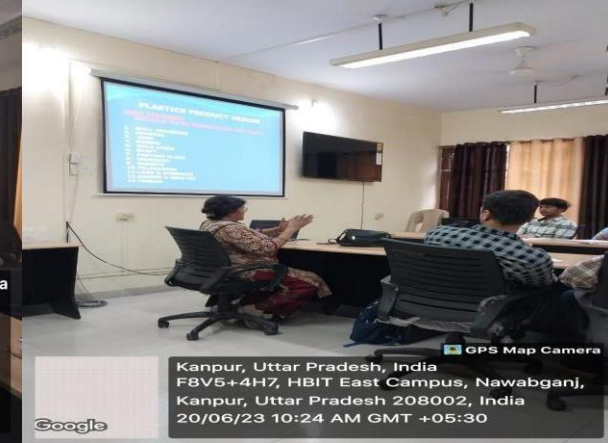
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100+ YEARS
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100+ YEARS
1921-2021



2. Expert lecture on "LiFE (Lifestyle for Environment) : Innovation & Traditions for a Sustainable World" by Mr Yugal Kishore Joshi

Brief Summary of event:

An expert lecture and alumni interaction was organized and conducted by Department of Plastic Technology on 20th October, 2023 by Mr Yugal Kishore Joshi, NITI Aayog on the topic "Innovation & Traditions for a Sustainable World ". The lecture was attended by about 200 participants. Students from all years have attended the lecture and interacted with the speaker to discuss about scope of different plastics and its future prospective.



Department of Plastic Technology
School of Chemical Technology
HBTU, Kanpur

invites you to attend an
EXPERT LECTURE
"cum"
ALUMNUS INTERACTION

Topic: "LiFE (Lifestyle for Environment):
Innovation & Traditions for a Sustainable World".



Advisor, Water & Land Resources, Drinking Water and Communication & Mission Director LiFE, NITI Aayog
1992 Batch of Plastic Technology Alumnus HBTU, Kanpur

SPEAKER
MR. YUGAL KISHORE JOSHI

20th October, 2023
11:30 am
Radhakrishnan Auditorium, HBTU

Organized by:
Prof. Deepak Srivastava
Prof. Indira Nigam

एचबीटीयू के प्लास्टिक टेक्नोलॉजी विभाग द्वारा कार्यक्रम हुआ आयोजित

जनबिन्दु, 20 अक्टूबर कानपुर। हरकोर्ट बटलर यूनिवर्सिटी (एचबीटीयू) कानपुर के प्लास्टिक टेक्नोलॉजी विभाग द्वारा एक्सपर्ट लेकर LiFE (Lifestyle for Environment) : Innovation & traditions for a sustainable world विषय पर आयोजन हुआ। कार्यक्रम कि शुभारम्भ स्कूल ऑफ़ केमिकल टेक्नोलॉजी के डीन प्रो.जी एल देवानी एवं प्लास्टिक टेक्नोलॉजी के विभागाध्यक्ष प्रो. इन्दिरा निगम ने मुख्य अतिथि युगल किशोर जोशी को फूलों का गुलदस्ता भेंट कर गर्मजोशी से स्वागत किया तथा शॉल ओढ़ाकर सम्मान किया। प्रो. ए. के. राठी, डा. सोमा बनर्जी और मो. राशिद खॉं ने भी युगल किशोर जोशी को फूलों का गुलदस्ता भेंट कर हृदय से स्वागत किया। कार्यक्रम के आयोजक प्रो. दीपक श्रीवास्तव ने युगल किशोर जोशी के परिचय में बताया कि ये



संस्था के बी. टेक वर्ष 1992 बैच के प्लास्टिक टेक्नोलॉजी विभाग के पूर्व छात्र हैं अभी नीति आयोग भारत सरकार में उच्च पद पर कार्यरत हैं। इसके पूर्व स्वच्छ भारत मिशन के डायरेक्टर पद पर थे युगल किशोर जोशी ने जल जीवन मिशन एवं स्वच्छ भारत मिशन के विभिन्न उदाहरण के साथ योजना कि जानकारी दी। उन्होंने बताया कि देश के हर घर में शौचालय बनवाने और लोगों को गंदगी से फैलने वाली बीमारियों से सुरक्षित

रखना ही स्वच्छ भारत अभियान का मकसद था इस मिशन का उद्देश्य खुले में शौच से मुक्ति और सार्वभौमिक स्वच्छता कवरेज प्रदान करना भी रहा है. स्वच्छ भारत अभियान का मकसद घरेलू कचरे, प्लास्टिक वेस्ट, इंडस्ट्रियल वेस्ट, मेडिकल कचरे, प्रदूषण और अन्य सभी तरह के कूड़े से देश को मुक्त बनाना है अगर हम कचरा केवल डस्टबिन में फेंके, वहां-वहां श्रृंखे नहीं, प्लास्टिक की थैलियों को कम से कम उपयोग करें,

सामान लेने जाएं तो साथ में बैग लेकर जाएं और अपने आसपास के लोगों को भी इसके लिए प्रेरित करें, तो बहुत सारा प्रदूषण कम हो सकता है. जहां तक संभव हो, हम अगर पब्लिक ट्रांसपोर्ट का उपयोग करें तो इससे ईंधन की बचत के साथ-साथ हम प्रदूषण को भी रोक सकते हैं। युगल किशोर जोशी ने छात्र- छात्रों से कहा कि एकाग्रता और नियमित रूप से विद्यार्थियों को पढ़ना चाहिए तभी ज्ञान अर्जित होता है। सभी को नैतिक मूल्यों को आत्मसात करते हुए निरंतर प्रगति के मार्ग पर चलने के लिए प्रेरित किया। संस्था से जुड़ी अपने यारों और अनुभव को छात्र व छात्राओं के साथ साझा किया और संस्थान का पूर्ण भ्रमण किया। इस अवसर पर विभाग से अकांक्षा वर्मा, प्रगति सचान, गोविंद चौहान आदि उपस्थित रहे। कार्यक्रम के अंत में मोमेंटो देकर प्रचारण, प्रदूषण तथा तकनीक के क्षेत्र में मार्गदर्शन हेतु प्रेरित करने के लिए युगल किशोर जोशी को सम्मानित तथा आभार व्यक्त किया गया।





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3. Expert lecture on "Personality and Communication" by Mr Sunil Gupta

Brief Summary of event:

An expert lecture and Alumni interaction was organized and conducted by Department of Plastic Technology on 25th November, 2023 by Mr Sunil Gupta, Deeksha Learning Resources on the topic "Personality and Communication". The lecture was attended by about 100 participants. Students from all years have attended the lecture and interacted with the speaker to discuss about key points to develop soft skills by effective communication and personality development.

The poster is for an event organized by the Department of Plastic Technology, School of Chemical Technology, HBTU, Kanpur. It invites attendees to an Expert Lecture and Alumni Interaction. The speaker is Mr. Sunil Gupta, Managing Director of Deeksha Learning Resources Pvt. Ltd., a 1997 batch alumnus of Plastic Technology. The event is on 25th November 2023, from 03:30 to 04:30 PM, at the Department of Plastic Technology, HBTU. It is organized by Prof. Deepak Srivastava and Prof. Indira Nigam. The poster also features the university's 100+ years logo and a NAAC A+ accreditation badge.

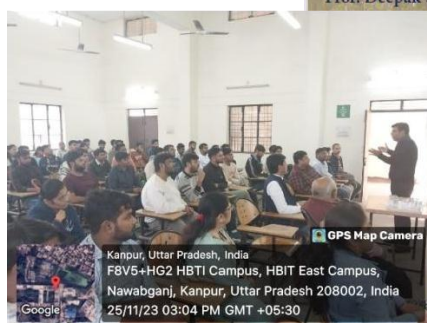
Department of Plastic Technology
School of Chemical Technology
HBTU, Kanpur
invites you to attend an
EXPERT LECTURE
"cum"
ALUMNUS INTERACTION
Topic: "Personality and Communication".

SPEAKER
MR. SUNIL GUPTA

Managing Director
Deeksha Learning Resources
Pvt. Ltd.
1997 Batch of Plastic Technology
Alumnus HBTU, Kanpur

25th November, 2023
03:30-04:30 PM
Department of Plastic Technology, HBTU

Organized by:
Prof. Deepak Srivastava Prof. Indira Nigam





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4. Expert lecture on "Sustainability in Plastic Industries" by Mr Gyanesh Katiyar

Brief Summary of event:

An expert lecture and Alumni interaction was organized and conducted by Department of Plastic Technology on 25th November, 2023 by Mr Gyanesh Katiyar, Moldura Tech Private Limited on the topic " Sustainability in Plastic Industries". The lecture was attended by about 100 participants. Students from all years have attended the lecture and interacted with the speaker.



Department of Plastic Technology
School of Chemical Technology
HBTU, Kanpur
invites you to attend an
EXPERT LECTURE
"cum"
ALUMNUS INTERACTION
Topic: "Sustainability in Plastic Industries".



Works Head
Moldura Tech Private Limited
(Trelleborg-Boots BU)

2001 Batch of Plastic Technology
Alumnus HBTU, Kanpur

SPEAKER
MR. GYANESH KATIYAR

 25th November, 2023
 02:30 PM
 Department of Plastic Technology, HBTU

Organized by:
Prof. Deepak Srivastava Prof. Indira N





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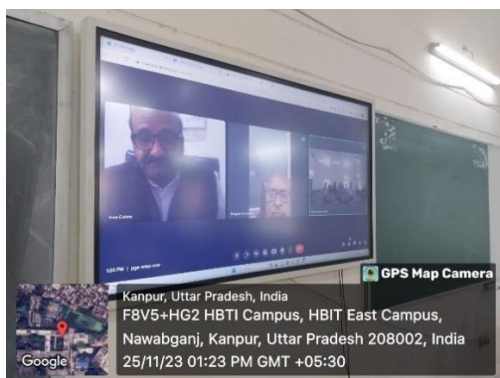


5. Expert lecture on "Advances in Plastic Master batch Technology" by Mr Sarvesh Kumar Gupta

Brief Summary of event:

An expert lecture and Alumni interaction was organized and conducted by Department of Plastic Technology on 25th November, 2023 by Mr Sarvesh Kumar Gupta, Inno Color and Compounds Pvt. Ltd. on the topic "Advances in Plastic Masterbatch Technology ". The lecture was attended by about 100 participants. Students from all years have attended the lecture and interacted with the speaker.

The poster is for an event organized by the Department of Plastic Technology, School of Chemical Technology, HBTU, Kanpur. It invites attendees to an expert lecture and alumni interaction. The speaker is Mr. Sarvesh Kumar Gupta, Managing Director of Inno Color and Compounds Pvt. Ltd., a 1986 batch alumnus of Plastic Technology at HBTU, Kanpur. The event is scheduled for 25th November, 2023, from 01:15 to 02:15 PM at the Department of Plastic Technology, HBTU. It is organized by Prof. Deepak Srivastava and Prof. Indira Nigam. The poster also features the university's 100+ years logo and a NAAC A+ accreditation badge.





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6. Expert lecture on "Plastic Waste Management in India" by Dr. Anil Kumar Sharma

Brief Summary of event:

An expert lecture and Alumni interaction was organized and conducted by Department of Plastic Technology on 20th February, 2024 by Dr Anil Kumar Sharma, Haldia Petrochemicals Ltd, Delhi on the topic "Plastic Waste Management in India". The lecture was attended by more than 80 participants. Students from all the four year batches have attended the lecture and discussed with the speaker.

Session 2023-24
Department of Plastic Technology
School of Chemical Technology
Harcourt Butler Technical University, Kanpur
invites you to attend an
EXPERT LECTURE
on
"Plastic Waste Management in India"
&
ALUMNUS INTERACTION SESSION
1988 Batch of Plastic Technology
Alumnus HBTU, Kanpur
20th February, 2024 10:00 Am
Room No. G2, Main Building, HBTU
Organized By: Prof. Indira Nigam & Prof. Deepak Srivastava
SPEAKER
Dr. ANIL KUMAR SHARMA
DGM MKTG, Haldia Petrochemicals Ltd Delhi





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7. Expert Lecture on “Innovation and Environmental Impact of Polyolefins” by Dharm Pandey

Brief Summary of event:

An expert lecture and Alumni interaction was organized and conducted by Department of Plastic Technology on 20th March, 2024 by Mr Dharm Pandey, LyondellBasell on the topic "Innovation and Environmental Impact of Polyolefins". The lecture was attended by about 100 participants. Students from all years have attended the lecture and interacted with the speaker.

Session 2023-24
Department of Plastic Technology
School of Chemical Technology
Harcourt Butler Technical University, Kanpur
invites you to attend an
EXPERT LECTURE
on
“ Innovation and Environmental Impact of Polyolefins ”
&
ALUMNUS INTERACTION SESSION
2005 Batch of Plastic Technology
Alumnus HBTU, Kanpur
20st March, 2024 11:45 AM
Room No. G2, Main Building, HBTU
Organized By: Prof. Indira Nigam & Prof. Deepak Srivastava

Mr. Dharm Pal Pandey
Technical and Innovation Manager
LyondellBasell, Dubai, UAE





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100+ YEARS
1921 - 2021



8. Expert Lecture on “Bioplastic & Circular Plastic Economy” by B. Chattopadhyay

Brief Summary of event:

An expert lecture and Alumni interaction was organized and conducted by Department of Plastic Technology on 21st March, 2024 by Mr Biswanath Chattopadhyay, CEO, IVL Dhunseri on the topic "Bioplastic & Circular Plastic Economy". The lecture was attended by more than 90 participants. Students from all years have attended the lecture and interacted with the speaker.

Session 2023-24
Department of Plastic Technology
School of Chemical Technology
Harcourt Butler Technical University, Kanpur
invites you to attend an
EXPERT LECTURE
on
“ Bioplastic & Circular Plastic Economy ”
&
ALUMNUS INTERACTION SESSION
1980 Batch of Plastic Technology
Alumnus HBTU, Kanpur
21st March, 2024 03:00 Pm
Room No. G2, Main Building, HBTU
Organized By: Prof. Indira Nigam & Prof. Deepak Srivastava
SPEAKER
Shri. Biswanath Chattopadhyay
(CEO, IVL Dhunseri)





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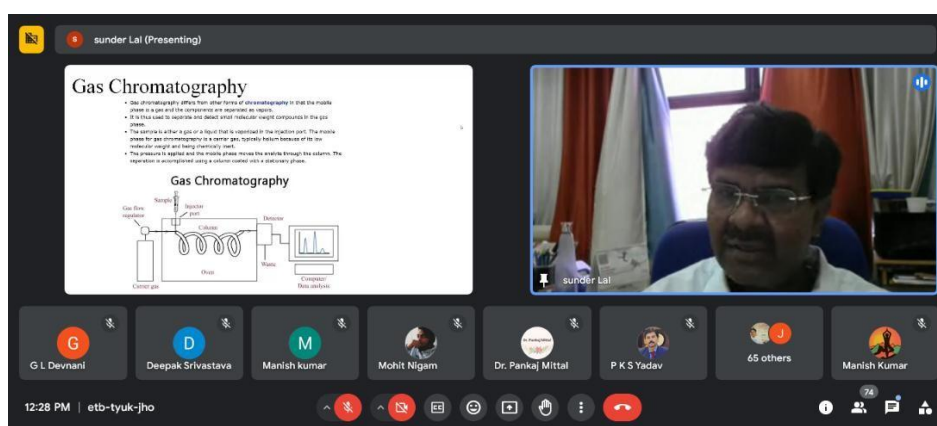
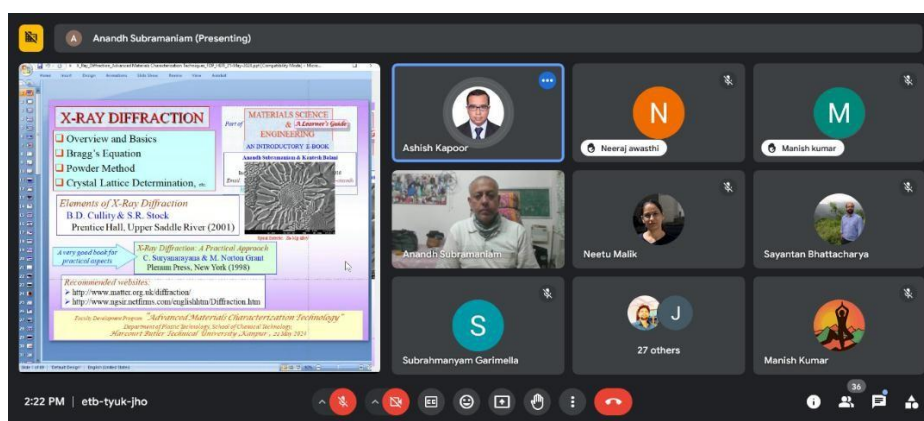
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8. One Week Faculty Development Program from 20th-24th May, 2024

An online Faculty Development Program (FDP) on “**Advanced Materials Characterization Techniques**” was held between 20-24 May, 2024. The program was organised by Department of Plastic Technology, HBTU Kanpur. Eminent Speakers (total-11) from IITs, NITs, CSIR Labs, abroad and from our HBTU campus, had given presentation on different areas of characterization method. As per our records, more than 100 participants particularly faculties, postdocs, research scholars from all the parts of India had attended this program and enhanced their technical skills. We hope that this FDP will also be beneficial for the students of different educational institutes. The organising coordinators were Prof. Deepak Srivastava and Dr. Manish Kumar from the plastic department. Mohd. Rashid Khan was organising secretary of the program. Few photographs of the FDP program are also attached herewith.





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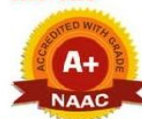
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100+ YEARS
1921 - 2021



Reena Singhal (Presenting)

A Guide to UltraViolet & Visible Light Spectrophotometry: Part I – Brief Instrumentation & Basics of Qualitative & Quantitative Analysis

Ex.Prof. Reena Singhal
H.B.T.U., Kanpur

2:18 PM | etb-tyuk-jho

Participants: Reena Singhal, Manish Kumar, P K S Yadav, nagaraj m, Jaiprakash Nayak..., Parul Dwivedi, 43 others, Manish Kumar

Sanjeev Shukla (Presenting)

SPECTROSCOPY

- Interaction of light with matter to study certain chemical and physical properties of matter
- ✓ "seeing the unseeable"
- ✓ Using electromagnetic radiation as a probe to obtain information about atoms and molecules that are too small to see.
 - Identification
 - Structure
 - Quantitation
 - Physical properties

11:10 AM | etb-tyuk-jho

Participants: Sanjeev Shukla, Manish Kumar (Y...), Jaiprakash Nayak..., P K S Yadav, ErHarpreet Kaur, Saurabh Gupta, Dr. Radha Sachan, 35 others, Manish Kumar



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