

Report of Centre for Continuing Education Programme for conducting various FDP/Refresher course/webinar/seminar etc.

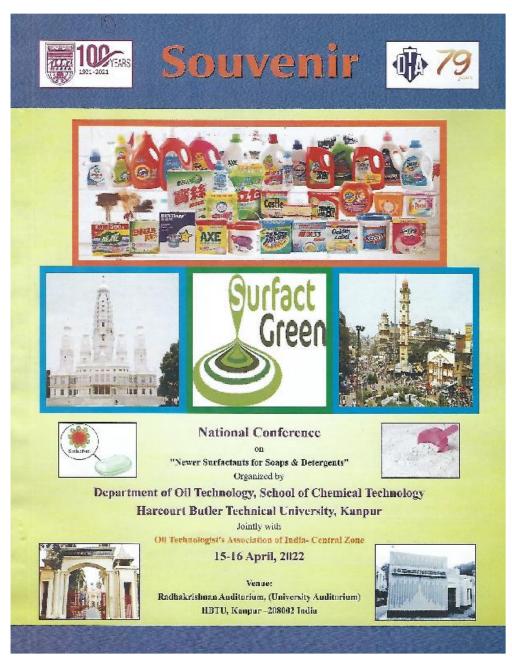
HBTU Kanpur is a residential Technical University with a great legacy, tradition, and glorious past which propelled it to one of the top-most institutions in northern India. It has a strong alumni base spread across the globe who are carrying forward the legacy, culture, and good work of this great Institution in their respective areas of influence. University has 04 well-established schools i. e. School of Engineering, the School of Chemical Technology, the School of Basic and Applied Science, and the School of Humanities and Social Sciences and 16 departments within these schools. At the Department level, Faculty members are responsible to conduct various cocurricular activities/organizing workshops/conferences/ faculty development courses (FDP) etc. in order to increase the research and maintain the quality of education. As such university does not have any academic staff college, but has Centre for Continuing Education Programme for certificate the purpose of providing courses, organizing various FDP/Refresher course/webinar/seminar to strengthen and update quality of education and knowledge incubation. As mentioned the report of few events conducted by various schools under the supervision of Centre for Continuing Education Programme is given below

Sample report of the Event-1

<u>A Report on National Conference on Newer Surfactants for Soaps & Detergents held</u> <u>during April 15-16, 2022 at HBTU, Kanpur</u>

A National Conference on "Newer Surfactants for Soaps & Detergents" was organized by Department of Oil Technology, HBTU School of Chemical Technology Jointly with Oil Technologist's Association of India, (CZ) during 15-16 April 2022 at Radha krishnan Auditorium H.B.T.U., Kanpur. The conference had six technical sessions in which in depth deliberations on synthesis and applications of newer surfactants was discussed. The conference witnessed participation of experts from renowned industries like Novoozymes, Banglore, Clean

Future Unilever R&D, BIS, New Delhi, ITC, Banglore, BASF, Mumbai, IHPCA/Technithon Technologies, Mumbai, K Tech (India) Mumbai etc. The Key Note lecture was delivered by Mr. Sanjai Trivedi, Founder Director, IHPCA on Surfactant and Specialties- New Technology and Developments. The successive technical sessions had invited talks on the topics: Green Surfactants, Oleochemicals; New Products in Market and Innovations, Sustainability, New Technologies and Formula Innovations, Creating Zero Wastes Opportunities for Home and Personal Care Consumers, New Builders and Performance Additives and Innovation in Personal Care market. The conference had technical paper presentations in form of Oral and Poster from the young researchers. The conference concluded with panel discussion in which deliberations took place on Innovation & Cost Effectiveness- A way towards "Technology Adoption and Greening the Surfactant Business".



The Conference had 60 registrations for participation as delegates from various parts of the country besides industries from Kanpur, Lucknow, Agra and Jhansi alongwith 140 student participants including the students of H.B.T.U, Kanpur, A.I.T.H., Kanpur and nearby institutions.



Sample report of the Event-2

TEQIP - III Sponsored Two Days National Workshop on Rapid Detection of Food Adulteration (September 30 – October 1, 2019) Programme Report

A National Workshop on "Rapid Detection of Food Adulteration" was organized successfully.at Department of Food Technology, Harcourt Butler Technical University, Kanpur with participation of different stakeholders. This workshop was a two days programme, during September 30 – October 1, 2019 and sponsored by TEQIP-III under the World Bank. The workshop has different technical sessions with diverse themes of rapid detection of food adulteration along with hands-on training will be delivered by eminent speakers from different food safety authority and regulatory body like FSSAI, FDA and trained experts of practicing food safety management system in the industry to provide real exposure of detection of adulterants in food. The programme was attended by 100 participants from 17 various nationwide institutes, organizations and universities of IIT Delhi, Namaste India, The Akshayapatra Foundation, MRSPTU, Bathinda, CSJM University Kanpur, University of Allahabad, SHUATS Allahabad, Amity University, Jaipur, Dayalbagh Educational Institute, Agra, Pushpanjali Hospitals & Research Centre, Agra, KGMC Lucknow, Bundelkhand University, Jhansi, NIFTEM Haryana, BBAU Amethi, BBAU Lucknow, More Retail Limited, DBS College Kanpur.

Prof. N. B. Singh, Hon'ble Vice Chancellor was the chief guest on occasion along with Guest of Honour and eminent speaker of first technical session, Mr. Amrendra Mahamuni, Technical

Director of Samarth Technologies, Pune, Prof. Karunakar Singh, Pro-Vice Chancellor, Prof. Manoj Kumar Shukla, Registrar, Prof. Raghuraj Singh, Coordinator, TEQIP-III, Dr. Deepak Srivastava, Dean, School of Chemical Technology, Dr. Alak Kumar Singh, Head of Department, Department of Food Technology and Dr. Vivek Kumar, Assistant Professor and Convener of Workshop were present as distinguished guest during the inauguration ceremony.

In the inauguration ceremony of workshop, Hon'ble Vice Chancellor, Prof. N. B. Singh addressed the session and focused on significance of food adulteration and need of food safety measures. Prof. Manoj Shukla, Registrar, HBTU Kanpur addressed the session and discussed the active measures needed to address the adulteration of foods to counter adulterants like melamine and other toxic substances. Prof. Raghuraj Singh, Coordinator, TEQIP-III, addressed the session and expressed his concern that there is a need of hour to focus on such topics to address the food safety and detection techniques to inhibit the malpractice of food adulteration. Mr. Amrendra Mahamuni, Technical Director of Samarth Technologies, Pune and eminent food technologist acknowledged by food authority and regulatory body delivered the lecture on "Food Safety Hazards" and discussed the practices need to be adopted for food safety. He also insisted that there is an urgent need of spreading awareness to consumers and providing the measures to counter the adulteration in food items. , Shri Sanjay Kumar Singh, Chief Food Safety Officer, Kanpur Nagar addressed the participants and delivered the lecture on food adulteration and related policies to counter this problem to enhance food safety in society.

Mr. T. Ashrith Kumar, Head Business Excellence of Impelpro SCM Solutions discussed the significance of new standards with the focus on HARCP being adopted by food processing industries in place of Hazard Analysis Critical Control Points (HACCP). Hands-on training session on rapid detection of food adulteration was conducted to aware the participants for detection of adulterants at domestic level. Dr. A. Madhavan, Director, Center for Quality & Food Safety, New Delhi addressed the participants and delivered a lecture on "Food Safety Regulations on Edible Oils & Fats" to underline the aspects of food safety in current scenario. During the function, participants of oral and poster session were rewarded and appreciated to participate in such event. Further, Chief Guest, Prof. Karunakar Singh, Pro-Vice Chancellor addressed the participants and expressed his experience to participants related to the significance of food adulteration in food industry. Dr. Vivek Kumar, Assistant Professor and Convener of Workshop highlighted the achievements of the workshop and delivered vote of thanks. Considering the success of workshop and overwhelming response of 100 participants from 17 various nationwide institutes, Dr. Kumar expressed his concern to come with such events in future for the welfare of students, faculty and society. The two-days workshop equipped participants with the skills to create a vigorous learning ambience on detection of food adulteration and practicing food safety.

Sample report of the Event-3

About the Program : One Day Seminar on "Design and Analysis of Electronic Systems", <u>13th August, 2021</u>

The main focus of the program was targeted to

Compute the Critical path with the longest computation time among all paths that contain zero delays

- > **Pipelining**to increases the clock speed or sample speed
- > Parallel Processing to convert a (SISO) system to (MIMO) system
- Retiming to change the locations of delay elements i.e. to increase the clock rate of a circuit by reducing the computation time of the critical path.
- Unfolding to create a new program describing more than one iteration of the original program.
- Folding that is used to reduce the number of hardware functional units (FUs) by a factor of N at the expense of increasing computation time by a factor of N



The coordinator of the program was Dr. Krishna Raj, Professor, Department of Electronics Engineering, Harcourt Butler Technical University Kanpur, Uttar Pradesh, India. The Speakers of the program were

- 1. Dr. Krishna Raj, (Member-IEEE), Professor Department of Electronics Engineering, Harcourt Butler Technical University Kanpur, Uttar Pradesh, India
- 2. Dr. TruptiRanjanLenka, (Senior Member-IEEE), Assistant Professor (Grade-I) at Department of Electronics & Communication Engineering, NIT Silchar, Assam, India
- 3. Dr. RajaniBisht, (Member-IEEE) Associate Professor at Department of Electronics Engineering, Harcourt Butler Technical University Kanpur, Uttar Pradesh, India

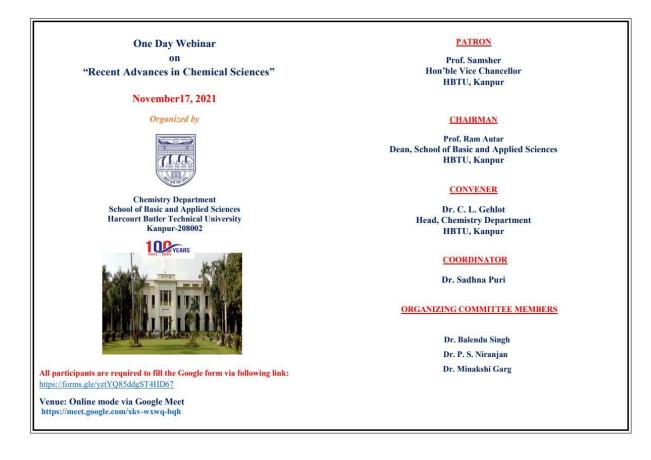
- 4. Mr. Dharmendra Kr. Singh, (Member-IEEE), Assistant Professor (NPIU faculty) at Department of Electronics Engineering, Harcourt Butler Technical University Kanpur, Uttar Pradesh, India
- 5. Dr. Suman Kumar Mitra, (Member-IEEE), Assistant Professor (NPIU faculty) at Department of Electronics Engineering, Harcourt Butler Technical University Kanpur, Uttar Pradesh, India

258 participants (Faculty Participants: 12, Research Scholar Participants: 09, PG Participants: 16, UG Participants: 80) from 16 Universities/Institute (Dr. A. P. J. Abdul Kalam University, MNIT Jaipur, Harcourt Butler Technical University, Kanpur, Madan Mohan Malaviya University of Technology, Gorakhpur, University Institute of Engineering & Technology, C.S.J.M.University, Kanpur, Dayalbagh Educational Institute D.E.I. etc)attended the program This program was totally free of cast i.e. with zero financial burden.

Sample report of the Event-4

Report on One Day Webinar Organized on 17th Nov., 2021

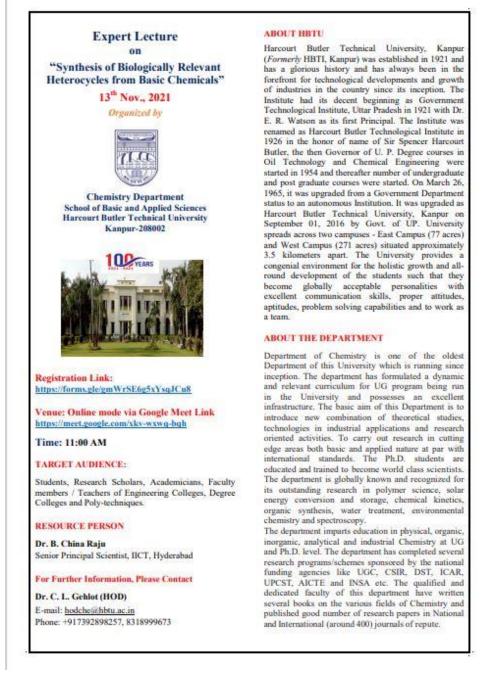
Department of Chemistry, HBTU Kanpur organized one day webinar on "Recent Advances in Chemical Sciences" on 17th November 2021 on the occasion of the Centenary celebration. Three speakers, **Prof. V. P. Sharma** Chief Scientist, CSIR-Institute of Toxicology Research, Lucknow, **Dr. Karuna Shanker** Scientist-C, CSIR-CIMAP, Lucknow and **Dr. Raghavaiah Pallepogu**, Department of Chemistry, School of Chemical Sciences, Central University of Karnataka, Kalaburagi, Karnataka delivered the lectures. Firstly, Prof. V. P. Sharma provided insight on "Sustainability innovations and quality management with special relevance to polymeric products". After that, Dr. Karuna Shanker discussed the re-emergence of phytomedicine for drug discovery. Later, Dr. Raghavaiah Pallepogu elaborated on chemical crystallography and its applications in investigating novel multi-domain crystalline assemblies. The students, research scholars, academicians and faculty members attended the webinar.



Sample report of the Event-5

Report on Expert Lecture Organized on 13th Nov. 2021

Department of Chemistry, HBTU Kanpur, organized an expert lecture on "Synthesis of Biologically Relevant Heterocycles from Basic Chemicals" on 13th November 2021 during the Centenary celebration. The lecture was delivered by Dr. China Raju, Senior Principle Scientist, IICT Hyderabad. Students, Research Scholars, Academicians and Faculty members attended the lecture. The lecture covered various methodologies related to the synthesis of biologically relevant heterocyclic compounds. Heterocyclic moieties are found to occur abundantly within the frameworks of bioactive natural and synthetic lead molecules, drug candidates either marketed or under clinical trials, agrochemicals, cosmetics and dyes, and many other application-oriented materials. Our society is highly dependent on synthetic heterocycles as the supply of natural heterocyclic compounds is not sufficient enough. Therefore this lecture provided insight into the various routes for the synthesis of biologically relevant heterocycles.



Sample report of the Event-6

Report of the event

Department of Paint Technology, HBTU Kanpur, organized an expert lecture on "**Theoretical** aspects of Powder Coatings" on 18th September 2021. Lectures delivered by Dr. Pramod Kumar, Visiting Professor in Dept. of Paint Technology, HBTU, Kanpur. It was focussed on need of using solvent less coating, composition of powder coatings, raw materials used, techniques of application of powder coatings and film performance of powder coatings. Prof. also talked about the advantages of using powder coatings as well as limitations of powder

coatings. Also, Prof. discussed about various types of Thermoplastic and Thermosetting Powder coatings and their applications as well as various parameters to control properties of powder coatings and second talk was on **Practical aspects of Powder Coatings** delivered by Mr. KuldeepVerma, Director, Sai Consultancy, Faridabad. His Presentation was about various aspects of production and application of powder coating. He also discussed about the formulation of various types of powder coatings, defects associated with powder coatings, as well as about testing of powder coatings. Field of Powder Coating is contemporary and very relevant in present times. Demand of Powder Coatings is increasing due to ease in application as well economy in cost of application, energy consumption and absence of emission of solvent vapours, harmful to environment. Use of Powder Coatings is going to increase due to emphasis on clean and green environment in near future. We had very good response to this webinar.

