



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



Sample report of the Event 1






Harcourt Butler Technical University, Kanpur

Cordially invites you to the seminar
on
“Design and Analysis of Electronic Systems”

13th Aug. 2021

Conducted as part of the Centenary Year Celebrations of HBTU Kanpur

Organized by
Department of Electronics Engineering, HBTU Kanpur,
IETE Student Forum & IEEE Student Branch



Patron
Prof. Samsheer
Hon'ble Vice chancellor
H.B.T.U. Kanpur



Convenor
Prof. Krishna Raj
HoD, Dept. of Electronics Engg.
H.B.T.U. Kanpur

Link: <https://meet.google.com/tvz-ewdt-byd>

Speakers:				
Prof. Krishna Raj	Dr. Rajani Bisht	Mr. Dharmendra Kr. Singh	Dr. Trupti Rajan Lenka	Dr. Suman Kr. Mitra
HoD, Dept. of Electronics Engg	Assoc. Prof., ETD, HBTU, Kanpur	Asst. Prof. (NPIU), ETD, HBTU	Asst. Prof., ECE, NIT Silchar	Asst. Prof. (NPIU), ETD, HBTU
Topic: Design & Analysis of DSP algorithms	Topic: Overview of RF Circuits and Design	Topic: Role of Electronics in Robotics & Automation	Topic: HEMT for High Power Electronics and RF Applications	Topic: Design & Analysis process of Semiconductor Devices
Time: 11AM – 12 PM	Time: 12.05PM – 1.05 PM	Time: 1.10PM – 2.10 PM	Time: 3PM – 4 PM	Time: 4PM – 5 PM

NOTE: There is No Registration Fee

About the Program :One Day Seminar on “Design and Analysis of Electronic Systems”,
13th August, 2021

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 increase 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. Trupti Ranjan Lenka, (Senior Member-IEEE), Assistant Professor (Grade-I) at Department of Electronics & Communication Engineering, NIT Silchar, Assam, India
3. Dr. Rajani Bisht, (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 cost i.e. with zero financial burden.

Sample report of the Event 2

<p>One Day Webinar on “Recent Advances in Chemical Sciences”</p> <p>November 17, 2021</p> <p>Organized by</p>  <p>Chemistry Department School of Basic and Applied Sciences Harcourt Butler Technical University Kanpur-208002</p>  	<p><u>PATRON</u> Prof. Samsher Hon'ble Vice Chancellor HBTU, Kanpur</p> <p><u>CHAIRMAN</u> Prof. Ram Autar Dean, School of Basic and Applied Sciences HBTU, Kanpur</p> <p><u>CONVENER</u> Dr. C. L. Gehlot Head, Chemistry Department HBTU, Kanpur</p> <p><u>COORDINATOR</u> Dr. Sadhna Puri</p> <p><u>ORGANIZING COMMITTEE MEMBERS</u> Dr. Balendu Singh Dr. P. S. Niranjana Dr. Minakshi Garg</p>
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All participants are required to fill the Google form via following link:
<https://forms.gle/vztYQ85ddgST4HD67>

Venue: Online mode via Google Meet
<https://meet.google.com/xkv-wxwq-bqh>

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 3

<p>Expert Lecture on “Synthesis of Biologically Relevant Heterocycles from Basic Chemicals” 13th Nov., 2021 <i>Organized by</i></p>  <p>Chemistry Department School of Basic and Applied Sciences Harcourt Butler Technical University Kanpur-208002</p> 	<p>ABOUT HBTU Harcourt Butler Technical University, Kanpur (Formerly HBTI, Kanpur) was established in 1921 and has a glorious history and has always been in the forefront for technological developments and growth of industries in the country since its inception. The Institute had its decent beginning as Government Technological Institute, Uttar Pradesh in 1921 with Dr. E. R. Watson as its first Principal. The Institute was renamed as Harcourt Butler Technological Institute in 1926 in the honor of name of Sir Spencer Harcourt Butler, the then Governor of U. P. Degree courses in Oil Technology and Chemical Engineering were started in 1954 and thereafter number of undergraduate and post graduate courses were started. On March 26, 1965, it was upgraded from a Government Department status to an autonomous Institution. It was upgraded as Harcourt Butler Technical University, Kanpur on September 01, 2016 by Govt. of UP. University spreads across two campuses - East Campus (77 acres) and West Campus (271 acres) situated approximately 3.5 kilometers apart. The University provides a congenial environment for the holistic growth and all-round development of the students such that they become globally acceptable personalities with excellent communication skills, proper attitudes, aptitudes, problem solving capabilities and to work as a team.</p> <p>ABOUT THE DEPARTMENT Department of Chemistry is one of the oldest Department of this University which is running since inception. The department has formulated a dynamic and relevant curriculum for UG program being run in the University and possesses an excellent infrastructure. The basic aim of this Department is to introduce new combination of theoretical studies, technologies in industrial applications and research oriented activities. To carry out research in cutting edge areas both basic and applied nature at par with international standards. The Ph.D. students are educated and trained to become world class scientists. The department is globally known and recognized for its outstanding research in polymer science, solar energy conversion and storage, chemical kinetics, organic synthesis, water treatment, environmental chemistry and spectroscopy. The department imparts education in physical, organic, inorganic, analytical and industrial Chemistry at UG and Ph.D. level. The department has completed several research programs/schemes sponsored by the national funding agencies like UGC, CSIR, DST, ICAR, UPCST, AICTE and INSA etc. The qualified and dedicated faculty of this department have written several books on the various fields of Chemistry and published good number of research papers in National and International (around 400) journals of repute.</p>
<p>Registration Link: https://forms.gle/gmWrSE6p5xYsqJCu8</p> <p>Venue: Online mode via Google Meet Link https://meet.google.com/xkv-wxwq-bqh</p> <p>Time: 11:00 AM</p> <p>TARGET AUDIENCE: Students, Research Scholars, Academicians, Faculty members / Teachers of Engineering Colleges, Degree Colleges and Poly-techniques.</p> <p>RESOURCE PERSON Dr. B. China Raju Senior Principal Scientist, IICT, Hyderabad</p> <p>For Further Information, Please Contact Dr. C. L. Gehlot (HOD) E-mail: hodche@hbtu.ac.in Phone: +917392898257, 8318999673</p>	

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 4

100 YEARS
1921-2021

ONE DAY NATIONAL WEBINAR
ON
**THEORETICAL AND
PRACTICAL ASPECTS OF
POWDER COATINGS**

ORGANIZED BY
DEPARTMENT OF PAINT TECHNOLOGY, HBTU KANPUR
IN ASSOCIATION WITH
PAINT AND COATING TECHNOLOGISTS' ASSOCIATION
(As a part of Centenary Year Celebration)

Environmental pressure to reduce, or to eliminate, the use of solvents in Paints has assisted in development of several alternative technologies. Powder Coatings represents one of the fast growing alternative for the industrial stoving paint market. This Webinar is designed to provide an overview of the theoretical & practical aspects of Powder Coatings.

Scan this QR code or click on the following link for FREE registration
<https://forms.gle/2FcsGuphJWYVB9cQA>

SPEAKERS

- **Dr. Pramod Kumar**
Visiting Professor, Dept. Of Paint Technology,
HBTU Kanpur
- **Er. Kuldeep Verma**
B.Tech (Paint Technology), PGDGM
Sai Consultancy, Faridabad

Target Audience:
Students, Research Scholars,
Faculty Members, Industry
personnels related to Paint,
Polymer & Chemical
Technology.

18th
September
2021 | 11.00 A.M
onwards

Through Google Meet Platform

[www.pactind.org](#)

Report of the event one day Webinar organized on 18th Sep. 2021

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. Kuldeep Verma, 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.


 कुल सचिव
 स्कूल ऑफ पेंट्स एंड कोटिंग्स विभाग
 HBTU-2
 Prof. S. K. Sharma