

ABOUT THE UNIVERSITY

Harcourt Butler Technical University, Kanpur (Formerly HBTI, Kanpur) was established in 1921 and has a glorious history and has always been at the forefront of technological developments and the growth of industries in the country since its inception. The Institute had its decent beginning as the Government Technological Institute, Uttar Pradesh in 1921. The Institute was renamed Harcourt Butler Technological Institute in 1926 in honor 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 postgraduate 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. The university spreads across two campuses - East Campus (77 acres) and West Campus (271 acres) situated approximately 3 kilometers apart. The University provides a congenial environment for the holistic growth and all-round development of the students. **The university is accredited A+ by NAAC.**

For more details, please visit the university website <https://hbtu.ac.in/>

ABOUT THE DEPARTMENT

The Department of Mathematics has been striving hard for excellent teaching and research in Mathematical Sciences since its inception in 1961. The undergraduate and postgraduate students of various chemical technology and engineering departments are enriched/equipped with the in-depth theoretical back-

ground of sophisticated applied mathematics required for modern scientific investigations and technological developments and practical training in numerical computing by following a need-based designed curriculum. The Department offers BS-MS (Mathematics & Data Science), M.Sc. (Mathematics & Data Science), and doctoral research programs for carrying out research in interdisciplinary areas. The faculty members of the department are actively engaged in research in emerging thrust areas viz. mathematical modelling, ecological and environmental systems, mathematical biology, biomechanics, fluid mechanics of the eye and cerebrospinal fluid, blood flow dynamics, fuzzy rough set, soft computing, hybrid nanofluids, spectral methods, partial differential equations etc. Facilities for interdepartmental and interdisciplinary research activities have also been evolved.

The Department is well equipped with computing and internet facilities. Several research projects sponsored by different organizations like CSIR, CST UP, UGC, DST, and ICMR have been completed. Also, various conferences, faculty development programmes, seminars, workshops, summer, and winter schools have been organized by the department. Apart from this, the faculty members of the department also regularly visit to deliver lectures at conferences and seminars outside. The experienced and dedicated team of faculty members have presented and published good numbers of research papers. Nearly 70 students have been awarded Ph.D. degrees under the supervision of the faculty members of the department, and at present 12 students are registered for Ph.D. Program.

For more details, please visit the department link <https://hbtu.ac.in/mathematics-2/>

One Day Workshop

(Hybrid Mode)

on

Basic Concepts and Scientific Writing in LaTeX

11th June 2024

organised by



Department of Mathematics
School of Basic and Applied Sciences
Harcourt Butler Technical University
Kanpur

at

East Campus, Nawabganj,
HBTU Kanpur
208 002

Speaker

Dr. Vishakha Jadaun
PDEU, Gandhinagar

Convenors

Prof. Rekha Bali
Dr. Abhinava Srivastav

CHIEF PATRON

Prof. Samsher
Hon'ble Vice Chancellor, HBTU, Kanpur

PATRON

Prof. Dipteeek Parmar
Pro-Vice Chancellor, HBTU, Kanpur

CHAIRPERSON

Prof. C.L. Gehlot, Dean, SOBAS, HBTU, Kanpur

CO-CHAIRPERSON

Prof. R. N. Tripathi, Head, Mathematics Department

CONVENORS

Prof. Rekha Bali, Mathematics Department
Dr. Abhinava Srivastav, Mathematics Department

ORGANISING SECRETARIES

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Dr. R. S. Yadav, Mathematics Department
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Dr. Vinod Kumar Yadav, Mathematics Department
Dr. Pratibha Mishra, Mathematics Department
Dr. Anuj Kumar, Mathematics Department

Important Dates

Information Circulation	May 31, 2024
Last date to Apply	June 07, 2024
Intimation of selection	June 08, 2024
Date of Workshop	June 11, 2024

ABOUT THE WORKSHOP

Welcome to our one-day workshop on Basic Concepts and Scientific Writing in LaTeX! This intensive session is designed for students, researchers, and professionals who are new to LaTeX or wish to enhance their scientific writing skills using this powerful typesetting system. The primary goal of this workshop is to provide participants with a solid foundation in LaTeX, enabling them to create professional-quality documents with ease. By the end of the day, you will be equipped with the knowledge and skills to:

- Understand the basic structure and syntax of LaTeX.
- Create well-formatted documents, including articles, reports, and presentations.
- Incorporate tables, figures, and mathematical equations seamlessly.
- Manage references and citations using BibTeX.
- Customize document layouts to meet various formatting requirements.

Key Topics Covered

- **Introduction to LaTeX:** Understanding its significance and advantages over traditional word processors.
- **Basic Document Structure:** Learning the essential components of a LaTeX document, including sections, subsections, and paragraphs.
- **Text Formatting:** Mastering text styles, lists, and special characters.
- **Mathematical Typesetting:** Writing complex equations and formulas with ease.
- **Tables and Figures:** Inserting and customizing tables and figures.
- **Referencing and Citations:** Managing bibliographies and citations using BibTeX and other packages.

- **Advanced Topics:** An overview of creating presentations with Beamer and customizing document templates.

Who Should Attend?

This workshop is ideal for undergraduate and post-graduate students embarking on thesis or dissertation writing. Researchers looking to publish papers in scientific journals. Academicians and professionals who require high-quality document preparation.

Workshop Format

The workshop will be a mix of lecture, interactive session, hands-on exercises. Participants are encouraged to bring their laptops with LaTeX installed (instructions will be provided upon registration) to follow along with the exercises and gain practical experience.

Fee and Certification

There will be no fee for the participation in this workshop. E-Certificates will be issued on the successful completion of the workshop.

How to Apply

Please apply for the workshop by visiting the link given below. Selected applicants for the workshop will be intimated via email about the session timings of the workshop. <https://forms.gle/oXnNeL7KPdT2DTm17>

Contact

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