



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)

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100 YEARS  
1921 - 2021

### 3.3.2 Mathematics

A One Week Online Short-Term Course on RESEARCH METHODOLOGY AND QUANTITATIVE TECHNIQUES was organized by Department of Mathematics during 13/10/2022 to 19/10/2022 in online mode. The event started with the introduction about the STC by Dr. Ram Autar, HOD, Department of Mathematics, followed by details of STC by Convenors Prof. Rekha Bali and Prof. Ram Naresh. Total number of participants were 201.

#### ORGANIZING COMMITTEE

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

Chairman  
Prof. Ram Autar  
Dean SBAS & HOD Mathematics  
HBTU, Kanpur

Convenors  
Prof. Rekha Bali  
Department of Mathematics  
HBTU, Kanpur

Prof. Ram Naresh  
Department of Mathematics  
HBTU, Kanpur

Co-convenors  
Dr. Udaya Pratap Singh  
Department of Mathematics  
HBTU, Kanpur

Dr. Shivam Shreevastava  
Department of Mathematics  
HBTU, Kanpur

Member  
Dr. Ramashray Singh Yadav

Organising Secretaries  
Dr. Swati Mishra  
Dr. Chhama Awasthi  
Dr. Ashutosh Pandey  
Mr. Anuj Kumar  
Ms. Bhawini Prasad  
Mrs. Monika Trivedi  
Mrs. Ragini Tripathi  
Mrs. Monika Gupta,  
Ms. Prachi Gupta  
Mr. Anugrah Pratap Singh  
Ms. Neha Gupta  
Ms. Shivama Dubey  
Ms. Vineeta Yadav

#### PARTICIPATION

Academicians, research scholars and students from Universities, Colleges and Research Institutions, Industry Professionals from related fields are eligible to attend this online short term course.

#### OBJECTIVES OF THE SHORT TERM COURSE

- Deliberation of the knowledge of research design and methodology
- Elaborate techniques for designing research objectives and conducting systematic literature review
- Train the participants for using appropriate modes of analyzing quantitative data
- Discuss research related issues with the facilitator.

**Note:** Last date for registration is Oct 08, 2022..

#### Contact us at

Prof. Rekha Bali (7499545695)  
Dr. Ramasray Singh Yadav (9415680851)  
Dr. Swati Mishra (8318405054)

**Email:** [stc.rmqt@gmail.com](mailto:stc.rmqt@gmail.com)

One Week Online Short Term Course

On  
**RESEARCH METHODOLOGY  
AND  
QUANTITATIVE TECHNIQUES**

October 13-19, 2022



#### Convenors

Prof. Rekha Bali  
Prof. Ram Naresh

Organized

By  
Department of Mathematics  
School of Basic and Applied Sciences  
Harcourt Butler Technical University  
Kanpur-208002, Uttar Pradesh

## **ABOUT THE UNIVERSITY**

Harcourt Butler Technical University Kanpur has been established in year 2016 by the Government of Uttar Pradesh with a view for making it a leading Residential University to become a Centre of Excellence with focus on Research and Development and Incubation in the field of Engineering, Technology, Basic & Applied Sciences, Humanities, Social Science & Management, Architecture, and other professional courses. HBTU aims to promote studies, research & innovation in Engineering areas of higher education, to enhance skill development through continuing education programme and knowledge and to achieve excellence in higher technical education.

On academic front, the University is running Four Schools with thirteen Undergraduate Programmes in Chemical Engineering, Civil Engineering, Computer Science & Engineering, Electrical Engineering, Electronics Engineering, Information Technology, Leather Technology, Mechanical Engineering, Biochemical Engineering, Food Technology, Oil Technology, Paint Technology and Plastic Technology along with M.C.A, MBA, M.Sc. full time & part time MTech. Programmes in various disciplines and full time Ph.D. programme in number of disciplines as part of Quality. In view of the emerging need of the time, the University is planning to start number of Programmes at Undergraduate and Post Graduate level soon. 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 communication skills, proper attitudes, aptitudes, problem solving capabilities and to work as a team.

## **ABOUT THE DEPARTMENT OF MATHEMATICS**

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 in-depth theoretical background of sophisticated applied mathematics required for modern scientific investigations and technological developments and practical training in numerical computing by following need-based designed curriculum. The Department runs M.Sc. (Mathmatics & Data Science) programme and doctoral research programmes for carrying out research in interdisciplinary areas.

The faculty of the department are actively engaged in research in emerging thrust areas viz. mathematical modeling, ecological and environmental systems, mathematical biology, biomechanics, fluid mechanics of the eye and cerebrospinal fluid, blood flow dynamics etc. Facilities for interdepartmental and interdisciplinary research activities have also been evolved.

The Department is well equipped with computing and internet facilities. A number of research projects sponsored by different organizations like CSIR, CST UP, UGC, DST and ICMR have been completed. Also, various conferences, 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 in conferences and seminars outside. The experienced and dedicated team of faculty members have presented published good numbers of research papers. Nearly 66 students have been awarded Ph.D. degrees under the supervision of departmental faculty members and at present 09 students are registered for Ph.D. Programme.

## **RESOURCE PERSON**

The faculty members from HBTU/ reputed Engineering colleges and Universities will deliver the lectures.

## **REGISTRATION PROCESS**

The registration of participants will be done only through the following link:

<https://docs.google.com/forms/d/e/1FAIpQLScy8HpVjbYl1mhNKtKKJBeQQYOphiKaFPCZYHx70QALIS7QeRg/viewform?usp=sharing>

