

Registration Form
**Mathematical Modeling
And
Research Methodology**
October 08-12, 2018

Last date for receipt of registration form: Oct 03, 2018

(The registration form can be downloaded from our website
www. hbtu.ac.in. The Xerox copy can also be used)

Name in Block Letters:

Designation:

Department:

University/ Institute/ College/ Organization:

Address:

E-mail ID:

Contact No.:

Highest Qualification:

Research Interest/ Area:

Are you from a TEQIP network institute?:

Do you want accommodation in HBTU guest house?:

Signature of the Participant

Date:

Signature of Head of the Institution

Date:

Official Stamp:

Patron
Prof. N.B. Singh
Hon'ble Vice-Chancellor,
HBTU, Kanpur

Coordinator, TEQIP-III
Prof. Rachna Asthana
Professor & Head,
Department of Electronics Engineering
HBTU, Kanpur

Chairman
Prof. S.U. Siddiqui
Dean,
School of Basic and Applied Sciences
HBTU, Kanpur

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Department of Mathematics, HBTU, Kanpur

Prof. Ram Autar
Department of Mathematics, HBTU, Kanpur

Prof. Ram Naresh
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A Faculty Development Programme
On
**Mathematical Modeling
And
Research Methodology**
Under
TEQIP-III, World Bank Project
October 08-12, 2018



Coordinators
Prof. Rekha Bali
Prof. Ram Autar
Prof. Ram Naresh

Organised by

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

About H.B.T.U., Kanpur

Harcourt Butler Technical University, Kanpur came into existence on September 01, 2016 by U.P. Govt. Act. No. – 11,2016 as a result of the up-gradation of Harcourt Butler Technological Institute which was established in 1921 as a ‘Government Technological Institute’ by Sir Spencer Harcourt Butler, the first Governor of United Provinces (now Uttar Pradesh) and was renamed as HBTU in 1926. In view of timely realization of need of scientific and technological advancement required for the industrial growth in order to meet the aspirations of society, various post-graduate Diploma, Graduate, Post-graduate and Doctoral programmes in Science, Engineering and Technology were started from time to time for the development of trained scientific, technological and engineering manpower equipped with sound theoretical knowledge, in-depth understanding and practical experience in the area of relevant specialization. It has served the nation for 97 years by its tradition of excellence in technology & engineering education, research and innovations. It is the mother/mentor institution of National Sugar Institute, Kanpur; Indian Institute of Technology, Kanpur; Rajkiya Engineering College, Bijnor; Rajkiya Engineering College, Kannauj and Rajkiya Engineering College Mainpuri. As HBTU, it has the desired autonomy to excel and shape itself as a world class Technological University.

On academic front, the University is running four Schools: School of Engineering, School of Chemical Technology, School of Basic & Applied Sciences, School of Humanities & Social Sciences 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, full time & part time M.Tech. programmes in various disciplines and full time and part time Ph.D. programmes in number of disciplines as part of Quality Improvement Programme of MHRD and TEQIP-III. In view of the emerging need of the time, the University is planning to start number of programmes at undergraduate and post graduate levels in the near future.

The University provides a congenial environment for the holistic growth and all round development of the students so that they become globally acceptable personalities with excellent communication skills, proper attitudes, aptitudes, problem solving capabilities and to work as a team.

About 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 offers a doctoral research programme for carrying out research in inter-disciplinary areas.

The faculty of the department is 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 61 students have been awarded Ph.D. degrees under the supervision of departmental faculty members and at present 07 students are registered for Ph.D. Programme. The Department plans to start 2-year Masters Programme, 4-year undergraduate Programme in Mathematics in near future.

Objectives of the FDP

- How to choose research area?
- How to review the literature and to learn recent developments in the area?
- How to identify research problem and to design research frame-work?
- How to search and use various computing softwares and different techniques?
- How to develop a mathematical model of the real-life problem/ system and to examine the model for the existence and uniqueness of its solution?
- How to solve/analyze the mathematical model and simulate it?

Registration Fee

There is no registration fee for the participants. No TA/DA will be given to the participants for attending the FDP.

Accommodation

The Participants have to make their own arrangement for boarding, lodging and transport. However, the limited accommodation is available in the HBTU guest house on first come first serve basis which can be made available to the participants on their personal request. The interested candidate may submit their request in advance.

Who can participate?

Interested faculty members/ researchers passionate for research can attend the FDP. The number of seats are limited to 30 candidates and registration for the programme will be made on the first come first serve basis.

Resource Persons

The faculty members from IITs/NITs/ reputed engineering colleges or universities will deliver the lectures.

Venue

Seminar Hall of the Bio-Chemical Engineering Department, HBTU, Kanpur.

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