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Director, IIT (BHU) Varanasi, India

### Patron

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Dean(R&D), IIT (BHU) Varanasi, India

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Head, Mathematical Sciences, IIT(BHU) Varanasi, India

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### About the City

The holy city of Varanasi is known as the city of temples and learning. It is a place of great historical and cultural importance. This religious capital of India is situated on the bank of the holy river Ganges and is famous for temples of Lord Shiva, Buddha (at Sarnath) and Sankat Mochan etc. Varanasi is the premiere most place of oriental learning also. Simultaneously it is keeping pace with modern advanced knowledge. The city is reputed for silk fabrics, perfumes, artistic brass and copper wares and a variety of handicrafts. This vibrant city with multiple dimensions of knowledge and liberation has a magnetic attraction for people all over the world.

### IIT(BHU) Varanasi

The Indian Institute of Technology (Banaras Hindu University), Varanasi owes its existence to the farsighted vision and relentless efforts of the founder Mahamana Pandit Madan Mohan Malaviya ji who created the first comprehensive residential university of India. Three engineering and technological institutions were established viz the Benaras Engineering College(BENCO) in 1919, the College of Mining and Metallurgy (MINMET) in 1923, and the College of Technology (TECHNO) in 1932 as the constituent units of Banaras Hindu University. The first ever Bachelor degree course in Electrical, Mechanical, Metallurgy, Mining, Ceramics and Pharmaceutics in India were pioneered at BHU while Pharmaceutics also being the first in Asia. After country's independence in 1947, post graduate and doctoral research programmes were also introduced here. The three engineering colleges were merged to form the Institute of Technology (BHU) in 1968. The erstwhile IT(BHU) has been converted into IIT(BHU) Varanasi wef 29th June, 2012. Since then IIT (BHU) is witnessing realization of several significant academics, research and developmental programmes and new initiatives in all spheres of the Institute.

### About the Department

The Department of Mathematical Sciences, IIT (BHU) earlier known as Mathematics / Applied Mathematics has been functioning since 1968. Its importance lies in the fact that it caters to the needs of the undergraduate as well as post-graduate students of the Institute. In addition, the Department runs its own 5-year Dual Degree (B Tech & M Tech) programme in Mathematics & Computing and PhD in Mathematical Sciences.

## 2<sup>nd</sup> International Conference on Recent Advances in Applied Mathematics (RAAM 2024) July 03-05, 2024



Organized  
by  
Department of Mathematical Sciences  
Indian Institute of Technology (BHU)  
Varanasi

Contact us  
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Please visit the following link for the registration:  
<https://forms.gle/qkFPDhnnRUR9qbkd8>  
For more information, please visit  
<https://conferences.iitbhu.ac.in/RAAM2024/>

## About the Conference

Unlike the conventional conferences, the International Conference on Recent Advances in Applied Mathematics (RAAM 2024) is an annual meeting which brings along researchers and academicians from different parts of India and abroad who closely work on different areas of Applied Mathematics. This conference is in continuation of the first conference of its series held at BITS Pilani Dubai Campus in the year 2023. The aim of this annual international meet will be making a fruitful collaboration among the young researchers and academicians from IITs, NITs, Central Universities, as well as State and Private Universities ranked globally. This conference would benefit the participants in many ways as they would get to know and discuss about each other's research work, the recent advances in the different areas of Applied Mathematics and to collaborate with the researchers across India and abroad. Most of the subject areas falling under Applied mathematics and Mathematical Physics including Mathematics in Data Science and many more, are covered under the various themes of the conference. Away from the academic responsibilities and long teaching hours, this conference is being organized during the summer vacation, in the holy city of Varanasi also known as the city of temples and learning.

## Topics

Differential Equations

Control and Dynamical Systems

Numerical Analysis

Scientific Computing

Mathematical Modeling

Fluid Mechanics

Mathematical Biology

Artificial Intelligence & Machine Learning

Image Processing

Optimization & Operations Research

Operator Theory & Approximation Theory

Probability & Statistics

Fractional Calculus and Its Applications

Other areas related to applied mathematics are also welcome.

## Who can Attend?

- Faculty / Researchers / Scientist from academic/ technical institutions / industries and R&D Centres.
- Postdoctoral/Ph.D. students from various institutes, universities, colleges and research organizations.

## Call for Papers & Publications

The extended abstract in the specific format should be sent to Dr. R. K. Pandey at [raam2024@iitbhu.ac.in](mailto:raam2024@iitbhu.ac.in) with cc to Dr B. Vasu at [bvasu@mnnit.ac.in](mailto:bvasu@mnnit.ac.in). The extended abstract should not exceed one page and the format will be sent to the registered participants. Information about publications of presented papers in special issues in indexed journal will be provided later. An e-proceedings of the conference proceedings including the extended abstract will be given to all participants.

## Important Dates

Conference Dates	July 03-05, 2024
Registration Deadline	March 15, 2024
Letter of Invitation to the Speakers	March 30, 2024
Abstract Acceptance to Participants	March 30, 2024
Final Registration	April 20, 2024

## Registration Fee

Faculty/Scientist from academic/ technical institutions other than IIT(BHU) Varanasi	Rs. 5900
Postdoctoral/Ph.D. students other than IIT(BHU) Varanasi	Rs. 4720
Faculty/Scientist from IIT(BHU) Varanasi	Rs. 5000
Postdoctoral/Ph.D. students from IIT(BHU) Varanasi	Rs. 4000
Participants from industries	Rs. 9440
Foreign Participants	USD118*

\*Excluding bank transaction charges. The above fee includes GST of 18% as per institute norms for the participants other than IIT(BHU) Varanasi. The paid fee will not be refunded under any circumstances.

Each accompanied person with registered participants is required to pay a registration fee of Rs.  $1500+270(\text{GST}18\%)=1770$ . Those who are not presenting a paper but want to participate in the conference are required to pay Rs.  $2500+450(\text{GST}18\%)=2950$ . Registration fee must be paid by electronic transfer.

The details of the account are given below. **Kindly mention RAAM2024 and participant's organization in the remark section during the bank transaction.** For any queries, please contact to [raam2024@iitbhu.ac.in](mailto:raam2024@iitbhu.ac.in) Registration fee includes conference kit, conference tea, snacks, lunches and conference dinner.

**Please visit the following link for the registration:**

<https://forms.gle/qkFPDhhnRUR9qbkD8>  
<https://conferences.iitbhu.ac.in/RAAM2024/>

## Online Registration Fee Payment

Name of Account: **IIT(BHU)-Main Account (Special Fund)**

Account holder name: Registrar, IIT(BHU)

Account No.: **32778803937**

Bank name: **State Bank of India**

Branch: **IT-BHU Branch**, Branch code: **11445**

Account type: **Current**, IFS Code: **SBIN0011445**

## Abstract/Souvenir Committee

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Dr. J. Rana, IIT Hyderabad

Dr. Surender, NIT Kurukshetra

Dr. Minhajul, BITS Goa

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## Campus Accommodation

Student participants will be provided accommodation at IIT(BHU) hostels. Accommodation for faculty members may be provided on payment basis as per the availability of rooms in IIT(BHU) guest house. However, we shall assist to get rooms in nearby hotels.

## Local Organizing Committee

Dr. Rajesh K. Pandey, IIT(BHU) Varanasi

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