



## VELLORE INSTITUTE OF TECHNOLOGY

VIT was established by the well-known educationalist and former parliamentarian, honourable Dr. G. Viswanathan, the Founder and Chancellor, a visionary who transformed VIT into a Centre of Excellence in higher technical education. The MHRD, Government of India ranked VIT the 9<sup>th</sup> Best University, the 10<sup>th</sup> Best Research Institution and the 12<sup>th</sup> Best Engineering Institution in India (NIRF Ranking, Govt. of India 2022). As per QS World University Rankings by Subject 2022, Engineering and Technology subject areas of VIT are the 346<sup>th</sup> Best in the World and the 9<sup>th</sup> Best in India.

## ABOUT VIT CHENNAI

VIT Chennai is a globally engaged, competitive, comprehensive and research-enriched university campus strategically positioned in the capital city of Tamil Nadu, to respond to major industrial, social, economic and environmental demands and challenges. VIT Chennai is ably spearheaded by Vice Presidents, **Mr. Sankar Viswanathan**, **Dr. Sekar Viswanathan**, **Mr. G. V. Selvam**, Assistant Vice President, **Ms. Kadhambari S. Viswanathan**, **Vice Chancellor**, **Dr. Rambabu Kodali**, and Pro Vice Chancellor **Dr. V. S. Kanchana Bhaaskaran**. They share in the mission to make VIT a global center. The focus is to:

- Maximize the Industrial connectivity
- Create Centers of Excellence in contemporary areas of research
- Enrich Technological and Managerial Human Capital nurtured in a multicultural ambience
- Provide a common platform for the agglomeration of ideas of personnel from various walks of life for learning enrichment
- Create opportunities and exploit the available resources to benefit industry/society
- Encourage participation in the National Agenda of knowledge building to foster International collaborations for mutual benefits in areas of research

## ABOUT THE SCHOOL OF ADVANCED SCIENCES

The School of Advanced Sciences (SAS) at VIT includes Divisions of Mathematics, Physics and Chemistry. It offers Ph.D. programmes in all these disciplines. It also offers PG programmes in Physics, Chemistry and Data Science. The faculty of the school comprises qualified and goal oriented members whose research expertise includes major frontier areas in Mathematics, Physics and Chemistry.

## PATRONS

**Dr. G. Viswanathan, Founder & Chancellor, VIT**  
**Mr. Sankar Viswanathan, Vice President, VIT**  
**Dr. Sekar Viswanathan, Vice President, VIT**  
**Mr. G. V. Selvam, Vice President, VIT**  
**Dr. Sandhya Pentareddy, Executive Director, VIT**  
**Ms. Kadhambari S. Viswanathan, Asst. Vice President, VIT**  
**Dr. Rambabu Kodali, Vice Chancellor, VIT**  
**Dr. V. S. Kanchana Bhaaskaran, Pro Vice Chancellor, VIT Chennai**



# VIT<sup>®</sup>

**Vellore Institute of Technology**  
(Deemed to be University under section 3 of UGC Act, 1956)  
CHENNAI

## 2<sup>nd</sup> International Conference on Research Trends in Mathematics (ICRTM-2022)

22<sup>nd</sup> & 23<sup>rd</sup> December 2022



Convenors

**DR. B. J. BALAMURUGAN**  
**DR. V. PRABHAKAR**

Organized by

**Division of Mathematics**  
**School of Advanced Sciences**

VIT - A place to learn; A chance to grow

## ABOUT THE CONFERENCE

The 2<sup>nd</sup> International Conference on Research Trends in Mathematics (ICRTM-2022) is organized to mark the 135<sup>th</sup> birth anniversary of the legendary Indian Mathematician, Srinivasa Ramanujan (22 Dec 1887- 26 April 1920). The conference aims to bring together academicians, scientists, researchers, engineers and industrialists under one roof to share their expertise, current research findings and developments for different applications of Mathematics. The conference not only provides a platform for strengthening mathematical research but also an ideal opportunity for participants to understand the research trends in Mathematics and update their knowledge in their research areas. The Conference consists of invited talks and sessions for paper presentation sessions.

## CALL FOR PAPERS

Authors are invited to submit original unpublished research papers on topics within the broad areas (but not limited to): Analysis, Number Theory, Differential Equations, Fuzzy Systems, Algebra, Fluid Dynamics, Discrete Mathematics, Graph Theory, Optimization, Queueing Theory, Cosmology, Mathematical Biology, Combinatorics, etc.

Authors will be informed about the acceptance of their papers based on the recommendations of the peer review committee. The accepted and presented papers will be published in the conference proceedings with ISBN number.

## REGISTRATION FEE & PAYMENT MODE

<b>Industrial Personnel / Faculty</b>	: Rs. 1000/-
<b>Research Scholars / Students</b>	: Rs. 750/-
<b>Foreign Participants</b>	: USD 30

Participants are requested to pay the registration fee using the login URL. <https://vitchennaievents.com>

After the payment of the registration fee, participants are further requested to fill the following google form to complete the registration. <https://forms.gle/Pa6wKYGftoNXKNgE8>

In case of any issue in the payment of the registration fee, participants are requested to mail to [icrtm2022@gmail.com](mailto:icrtm2022@gmail.com).

## GUIDELINES FOR PAPER SUBMISSION

Authors are requested to submit full research articles in word format, not exceeding 8 pages in Times New Roman, 12pt, single line spacing, single column format and fully justified, to the email id [icrtm2022@gmail.com](mailto:icrtm2022@gmail.com). The paper should consist of Title (14pt), Abstract (10pt), Keywords, Introduction, Results and Discussions, Conclusions and References.

## IMPORTANT DATES

Full paper submission	: 12 <sup>th</sup> December 2022
Acceptance information to the authors	: 16 <sup>th</sup> December 2022
Registration Deadline	: 18 <sup>th</sup> December 2022
Conference dates	: 22 <sup>nd</sup> & 23 <sup>rd</sup> December 2022

## INVITED SPEAKERS

- Dr. Benoit Rittaud, Professor, Sorbonne Paris Nord University, France.
- Dr. K. G. Subramanian, Professor, Mathematics, Computer Science and Engineering, Liverpool Hope University, UK.
- Dr. K. C. Sivakumar, Professor, Department of Mathematics, IIT Madras, Chennai, India.
- Dr. J. Venkateswara Rao, Professor, Department of Mathematics, United States International University, Nairobi, Kenya.

- Dr. Indra Rajasingh, Prof. (Retd.), Former Dean, School of Advanced Sciences, VIT Chennai, India.
- Dr. Clare D' Cruz, Associate Professor, Department of Mathematics, Chennai Mathematical Institute, Chennai.
- Dr. R. Sivaraman, Associate Professor, Department of Mathematics, D. G. Vaishnav College, Chennai & Founder, Pie Mathematics Association.
- Dr. Arun Janarthanan, Silicon Architecture, Qualcomm India (Previously Intel), Chennai, India.
- Dr. K. Thirusangu, Associate Professor & Dean Research, SIVET College, Chennai, India.
- Dr. B. Krishna Kumar, Professor, Division of Mathematics, SAS, VIT Chennai, India.
- Dr. B. Rushi Kumar, Professor, Department of Mathematics, SAS, VIT Vellore, India.
- Dr. R. Sivaraj, Mathematical Sciences-(COS), UAE University, UAE.
- Dr. Meenakshi Paramasivan, University of Trier, Germany.

## CONVENORS

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