



## VELLORE INSTITUTE OF TECHNOLOGY (VIT)

Founded in 1984, VIT has made a mark in the field of higher education in India imparting quality education in a multicultural ambience, intertwined with extensive application-oriented research. VIT was established with the aim to provide quality higher education on par with International Standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. VIT was established by well-known educationalist and former parliamentarian, honorable Dr. G. Viswanathan, Founder and Chancellor, a visionary who transformed VIT into a Centre of excellence in higher technical education. The Government of India recognized VIT as an Institution of Eminence (IoE). The ARIIA, Govt. of India recognized VIT as a No. 1 Private University for Innovation. The MHRD, Government of India ranked VIT at No.15 among the Engineering Institutions (NIRF-2020 ranking).

## 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 **Dr. Sekar Viswanathan**, Vice President, **Dr. Sandhya Pentareddy**, Executive Director, **Dr. Anand A. Samuel**, Vice Chancellor and **Dr. V. S. Kanchana Bhaaskaran**, Pro Vice Chancellor. They share in the mission to make VIT a global center. The focus is to :

- Maximize the Industrial Connectivity
- Create Centers of Excellence in niche areas of research
- Enrich technological and Managerial Human Capital nurtured in a multicultural ambience
- Provide 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
- Foster International collaborations for mutual benefits in areas of research concerned
- Create Centers of Excellence in contemporary areas of research.

## ABOUT THE SCHOOL OF ADVANCED SCIENCES

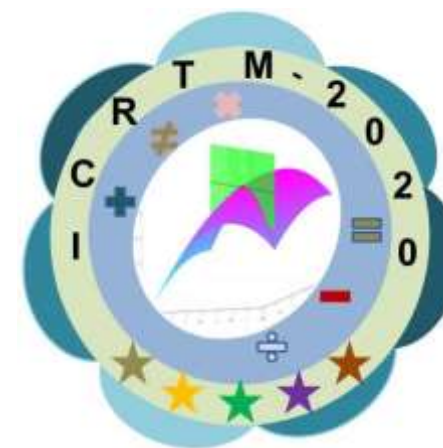
The School of Advanced Sciences (SAS) comprises of four major divisions namely mathematics, physics, chemistry and social sciences & languages. The school offers a plethora of core and elective courses facilitating B.Tech., M.Tech., MCA, Business and Law programmes. It also offers M.Sc. programmes in Data Science, Physics and Chemistry, and Ph.D. programmes. The faculty of the school comprises qualified and goal oriented members whose research expertise includes major frontier areas in Mathematics, Physics, Chemistry, Languages, and Social Sciences.



**VIT**<sup>®</sup>  
Vellore Institute of Technology  
(Deemed to be University under section 3 of UGC Act, 1956)  
CHENNAI

## International Conference on Research Trends in Mathematics (ICRTM-2020)

August 25-26, 2020



Convenors

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

Organized by

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

VIT - A place to learn; A chance to grow

## ABOUT THE CONFERENCE

The International Conference on Research Trends in Mathematics (ICRTM-2020) aims to bring together academicians, scientists, researchers, engineers and industrialists under one roof to share their expertise, current research findings and developments in different domains of mathematics. The conference not only provides a platform for strengthening mathematical research but also an opportunity for participants to understand the research trends in Mathematics and update their knowledge in their research areas. Due to the prevailing COVID-19 pandemic situation, the conference will be conducted through online platform. The Conference will include invited talks and paper presentation sessions.

## CALL FOR PAPERS

Authors are invited to submit original unpublished research papers on topics covered under broad areas such as (but not limited to): Analysis, Differential Equations, Fuzzy Sets and Systems, Algebra, Fluid Dynamics, Discrete Mathematics and Graph Theory, Optimization and Queueing Theory, Cosmology, Mathematical Biology, Machine Learning, Number Theory, 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.

E-Certificate will be given to all the registered participants.

## CONFERENCE ONLINE PLATFORM

The conference will be held on Zoom platform and the link with meeting ID and password will be communicated to the registered participants, via email.

## REGISTRATION FEE

### Indian Participants:

**Industrial Person / Others** : Rs. 500/-

**Faculty / Research Scholar / PG student** : Rs. 200/-

**Foreign Participants** : USD 10

## PAYMENT MODE

Indian participants are requested to pay the registration fee using the login URL <http://vitchennaievents.com/conf/login/>

Foreign participants are requested to pay the registration fee in the following account.

Beneficiary Name : V.I.T. WORKSHOPS SEMINARS  
Account Number : 6556285376  
Bank Name : Indian bank  
Branch / City : VIT Chennai Campus / Chennai  
IFSC Code / MICR : IDIB000V098 / 600019173  
Account Type : Savings Account  
**SWIFT** : **IDIBINBBTSY**

After the payment of the registration fee, participants are requested to fill the following google form to complete the registration. <https://forms.gle/N25ffHQ5z4EzUSWA9>

## GUIDELINES FOR PAPER SUBMISSION

Authors are requested to submit full research article 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 [icrtm2020@gmail.com](mailto:icrtm2020@gmail.com). The paper should consist of Title (14pt), Abstract (10pt), Keywords, Introduction, Results and Discussions, Conclusions and References.

## IMPORTANT DATES

Full paper submission : August 16, 2020

Acceptance intimation to the authors : August 18, 2020

Registration Deadline : August 19, 2020

## 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. Anand A. Samuel, Vice Chancellor, VIT**

**Dr. V. S. Kanchana Bhaaskaran, Pro Vice Chancellor, VIT  
Chennai**

## INVITED SPEAKERS

Dr. Srini Ramasawamy, Global R&D Head, Digital Platforms in the Electrification Business, ABB Inc., USA.

Dr. J. Venkateswara Rao, Professor, Department of Mathematics, United States International University, Nairobi, Kenya.

Dr. Prasad Kumar Bhaskaran, Professor, Ocean Engineering and Naval Architecture, I.I.T. Kharagpur.

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. A. Swaminathan, Associate Professor, Department of Mathematics, I.I.T. Roorkee.

Dr. Prashant Kumar Srivastava, Associate Professor, Department of Mathematics, I.I.T. Patna.

Dr. Salman Saleem, Department of Mathematics, College of Science, King Khalid University, Abha, Saudi Arabia.

Dr. Mohammad Nadeem Khan, Department of Mechanical & Industrial Engineering, College of Engineering, Majmaah University, Saudi Arabia.

Dr. Rajat Tripathi, Assistant Professor, Department of Mathematics, N.I.T. Jamshedpur, Jharkhand.

Dr. S. P. Anjali Devi, Professor (Retd.) & Head, Dept. of Applied Mathematics, Bharathiar University, Coimbatore

## CONVENORS

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