

## ICGFG-2026

The School of Advanced Sciences (SAS) at VIT Chennai, in collaboration with the Department of Applied Mathematics at Vidyasagar University, is organizing the International Conference on Graphs and Fuzzy Graphs (ICGFG-2026) in coordination with the Sridharacharya Academy of Mathematical Sciences (SAAMS) to commemorate the 50<sup>th</sup> anniversary of Fuzzy Graph Theory (1975–2025). This conference aims to convene researchers, academicians, and practitioners to exchange ideas and discuss recent advancements in graph theory, fuzzy sets, and fuzzy graphs.

The ICGFG-2026 will serve as a dynamic platform for exploring theoretical developments and emerging applications in fields such as artificial intelligence, optimization, data science, communication networks, and decision-making systems. The conference will be hosted at the VIT Chennai Campus and will feature keynote lectures, invited talks, and technical sessions presented by leading experts from academia.

The conference focuses on, but is not limited to:

- Graph Theory
- Fuzzy Set Theory
- Fuzzy Graphs and Applications
- Algorithms and Optimization
- Artificial Intelligence and Data Science
- Network Science and Communication Systems
- Decision-Making Models and Soft Computing Techniques

### Vellore Institute of Technology (VIT)

VIT Chennai was established in 2010 and has since become a beacon of excellence in higher education. Spearheaded by Vice President Dr. G. V. Selvam, a pioneering visionary who laid the foundation of VIT Chennai, is an insightful architect of its evergreen campus and an ingenious leader whose comprehensive vision and mission have shaped its growth. Under his guidance, VIT Chennai has rapidly evolved into a hub

of innovation and academic distinction. The leadership team, including Vice Chancellor Dr. V. S. Kanchana Bhaaskaran, Pro Vice Chancellor Dr. T. Thyagarajan and Additional Registrar Dr. P. K. Manoharan, drives its mission of delivering transformative education and impactful research. Strategically located in the capital city of Tamil Nadu, VIT Chennai is a globally engaged, competitive, and research-enriched institution. It proactively addresses industrial, social, economic, and environmental challenges, fostering application-based learning that produces industry-ready professionals.

Known for its cosmopolitan atmosphere, VIT Chennai attracts students from across the globe, fostering a vibrant and multicultural community. Committed to maximizing industrial connectivity and establishing Centers of Excellence in cutting-edge research areas, VIT Chennai enriches technological and managerial human capital through a collaborative and inclusive academic environment. It serves as a platform for intellectual exchange, encouraging the convergence of diverse ideas to drive innovation and learning. Dedicated to societal and industrial advancement, VIT Chennai leverages its resources to benefit the community, supports national knowledge-building initiatives, and fosters international collaborations for mutual progress in research and education. With a clear vision and an unwavering mission, VIT Chennai continues to redefine the landscape of higher education in India and beyond.

For details, check our website:

<https://chennai.vit.ac.in/>

### School of Advanced Sciences (SAS)

The School of Advanced Sciences at VIT Chennai encompasses the Departments of Mathematics, Physics, and Chemistry. It offers doctoral programs in physics, chemistry, mathematics, and geology, as well as Master of Science degrees in Physics, Chemistry, and Data Science. Additionally, the school provides a wide array of core and elective courses that support the B.Tech., M.Tech., MCA, Management, and Law programs.



## International Conference on Graphs and Fuzzy Graphs (ICGFG-2026)

**March 26-27, 2026**

**Hybrid Mode**

**Venue: VIT, Chennai**

Organized jointly by  
Department of Mathematics  
School of Advanced Sciences  
Vellore Institute of Technology  
Chennai, India  
and  
Research and Development Cell  
Vidyasagar University  
West Bengal, India  
In Coordination with  
Sridharacharya Academy of  
Mathematical Sciences (SAAMS)

### Convenors

Dr. Balamurugan B J  
Vellore Institute of Technology, Chennai  
Dr. Madhumangal Pal  
Vidyasagar University, West Bengal  
Dr. Sk Md Abu Nayeem  
Sridharacharya Academy of Mathematical Sciences



## Vidyasagar University

Vidyasagar University, established in 1981 by the Government of West Bengal, is a prominent public institution located in Midnapore, West Bengal. Named in honor of the distinguished educationist Pandit Ishwar Chandra Vidyasagar, the University is dedicated to fostering academic excellence, promoting social inclusion, and contributing to regional development. It offers a comprehensive array of undergraduate, postgraduate, and doctoral programs across the disciplines of Arts, Science, Commerce, Management, and interdisciplinary studies, in alignment with the National Education Policy. The University boasts a robust research ecosystem, exemplified by the International Conference on Graphs and Fuzzy Graphs (ICGFG-2026) scheduled for March 26-27, 2026, and supports over 750 Ph.D. scholars, having conferred more than 350 doctoral degrees in the past three years. Nationally recognized, it ranks within the 151-200 band in the NIRF Overall category and 51-100 among State Public Universities, and holds accreditation from NAAC. With its modern infrastructure, environmentally sustainable and inclusive campus, and learner-centric approach, Vidyasagar University continues to cultivate graduates who are both skilled and socially responsible.

For details, check our website:  
<https://www.vidyasagar.ac.in/>

## Sridharacharya Academy of Mathematical Sciences (SAAMS)

The Sridharacharya Academy of Mathematical Sciences, established in 2024, is a registered professional organization dedicated to promoting high-quality research and innovation in mathematics. Named in honor of the esteemed Indian mathematician Sridharacharya, the SAAMS seeks to cultivate a robust research culture and

promote intellectual development among mathematicians in India. The academy facilitates mathematical progress through the organization of workshops, seminars, conferences, and publications, as well as through the distribution of awards, school-level initiatives, career guidance, and international collaborations. Additionally, it advocates for the application of mathematics to address real-world challenges and to contribute to societal development, providing a platform for researchers to exchange ideas and make meaningful contributions to science and society.

### Committee

#### CHIEF PATRON

Dr. G. Viswanathan, Founder & Chancellor, VIT

#### PATRONS

Mr. Sankar Viswanathan, Vice President, VIT  
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Dr. T. Thyagarajan, Pro Vice Chancellor, VIT, Chennai  
Dr. K. Sathiyarayanan, Director, VIT, Chennai  
Dr. P. K. Manoharan, Additional Registrar, VIT, Chennai

#### ORGANIZING COMMITTEE

#### CONVENORS

Dr. Balamurugan B J, Associate Professor Senior, VIT Chennai  
Dr. Madhumangal Pal, Professor, Vidyasagar University, West Bengal  
Prof. Sk Md Abu Nayeem, General Secretary, Sridharacharya Academy of Mathematical Sciences

#### CO-CONVENORS

Dr. Prabhakar V, Professor, SAS, VIT Chennai  
Dr. Balaji S, Assistant Professor, SAS, VIT Chennai  
Dr. Jayagopal R, Assistant Professor, SAS, VIT Chennai  
Dr. Pavithra R, Assistant Professor, SAS, VIT Chennai  
Prof. Ajay Kumar Misra, Director, R&D Cell, Vidyasagar University, West Bengal  
Dr. Sukumar Mondal, Raja N.L. Khan Women's College, Vidyasagar University, West Bengal  
Dr. Anita Pal, NIT Durgapur, Vice-President of SAAMS  
Dr. Monoranjan Bhowmik, Principal, Vidyasagar Teacher Training College, Vice-President of SAAMS  
Dr. Sk Amanathulla, Raghunathpur College, Treasurer of SAAMS  
Dr. Sovan Samanta, Tamralipta Mahavidyalaya, Vidyasagar University, Editorial Secretary of SAAMS

#### ADVISORY COMMITTEE

Dr. Subramanian K G, Visiting Professor, Liverpool Hope University, UK  
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Dr. Thirusangu K, Former Principal, Professor, S.I.V.E.T College, Chennai  
Dr. D. Arivudainambi, Professor, Anna University, Chennai  
Dr. Sankar K, Professor, Anna University, Chennai  
Dr. Shalu M A, Professor, IIITDM, Kancheepuram



## Invited Speakers International Speakers



**Prof. Douglas B. West**

Professor Emeritus, Department of Mathematics  
University of Illinois, USA



**Dr. Srini Ramaswamy**

Former Professor & Department Chair  
Global R&D Leader, USA



**Prof. Ayman Badawi**

Department of Mathematics  
American University of Sharjah, UAE



**Prof. Kinkar Chandra Das**

Professor of Mathematics  
Sungkyunkwan University, South Korea



**Dr. Milica Andelic**

Associate Professor of Mathematics,  
Kuwait University

## National Speakers



**Dr. S. Arumugam**

Senior Professor (Research)  
Kalasalingam University, India



**Prof. R Balakrishnan**

Adjunct Professor in Mathematics  
Bharathidasan University, Tamil Nadu



**Dr. Indra Rajasingh**

Former Professor  
VIT University, Chennai, India



**Prof. Ankur Bharali**

Professor in Mathematics  
Dibrugarh University, Assam, India



**Prof. Shalu M A**

Professor in Mathematics  
IIITDM, Kancheepuram, India



**Dr. Sunil Mathew**

Associate Professor in Mathematics  
NIT Calicut, Kerala, India



**Dr. Anita Pal**

Associate Professor in Mathematics  
NIT, Durgapur, India

Dr. Sadagopan N, Associate Professor, IIITDM,  
Kancheepuram

Dr. Sathishkumar A, Associate Professor, IIT Madras

Dr. Sivaraman R, Associate Professor, Dwaraka Doss  
Goverdhan Doss Vaishnav College, Chennai

Dr. Padmapriya N, Associate Professor, SSN College of  
Engineering, Chennai

Dr. Micheal Arockiaraj, Associate Professor, Loyola  
College, Chennai

Dr. B. Krishna Kumar, Professor, VIT, Chennai

Dr. N. Sukavanam, Professor, VIT, Chennai

Dr. Kalyani Desikan, Professor, VIT, Chennai

Dr. Kaliyappan M, Professor, VIT, Chennai

Dr. Mini Ghosh, Professor, VIT, Chennai

Dr. Muthunagai, Professor, VIT, Chennai

Dr. David Maxim Gururaj A, Professor, VIT, Chennai

Dr. Kaliraj K, Assistant Professor, Ramanujan Institute  
for Advanced Study in Mathematics, University of  
Madras

Dr. S. Kayalvizhi, Assistant Professor, NIT Tiruchy

## Registration Fees

Proposed conference registration fees are as follows:

- Paper Presentation and Participation – Rs. 3,000 + GST
- Participation Only – Rs. 2,500 + GST
- Online Presentation and Participation – Rs. 1,500 + GST
- Online Participation Only – Rs. 800 + GST
- Foreign Participants (Presentation and Participation) – 50 USD
- SAAMS life members are eligible for a 20% discount on all registration categories.

Kindly check the website periodically for updates.

Click here

**Website**





## Fee Payment

Pay the registration fee through the link given below:

<https://eventhubcc.vit.ac.in/EventHub/login>

## Publication of Papers

Accepted and presented papers will undergo peer review and will be considered for publication in a Scopus-indexed journal or book series. Details will be announced during the conference. Additional charges are applicable based on the publication platform.

## Accommodation

Accommodation for participants will be arranged on a payment basis within the campus, on a first-come, first-served basis, if required. Payment details will be provided later.

No additional persons are allowed to accompany the registered participant in the hostel.

## Abstract Submission

Abstract submission details are available in the conference website

Complete your abstract submission at the link below:

<https://forms.gle/6pPmMoyCDbMhtKSx7>

At least one author of the accepted abstract must register and present the paper in the conference, either in Virtual mode or Physical mode. Otherwise, the paper will not be processed further for publication.

## Call for Papers

The conference warmly invites original research contributions, review articles, and case studies from researchers, academicians, industry professionals, and students. Submissions are encouraged in the following areas, but are not limited to:

### Graph Theory & Related Domains

- Graph Theory
- Fuzzy Graph Theory
- Network Analysis
- Social Network Analysis
- Applications of Graph Theory
- Other related areas

### Computational Intelligence & Algorithms

- Computational Intelligence
- Algorithms
- Machine Learning
- Data-driven Modelling and Applications
- Emerging Trends in Intelligent Systems

Authors are invited to submit high-quality manuscripts that have not been previously published and are not under consideration elsewhere.

### Registration Link:

<https://forms.gle/bpDHwyCcLxPLDLGDA>

## Important Dates

- ✓ Last Date For Abstract Submission  
21<sup>st</sup> February 2026
- ✓ Abstract Acceptance Status  
23<sup>rd</sup> February 2026
- ✓ Full Paper Submission  
15<sup>th</sup> April 2026
- ✓ Registration For Participation  
13<sup>th</sup> March 2026
- ✓ Conference Dates  
26<sup>th</sup> & 27<sup>th</sup> March 2026

## Contact

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