

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 50th 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.



**VIT
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VIT CHENNAI



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, 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
Dr. Sekar Viswanathan, Vice President, VIT
Dr. G. V. Selvam, Vice President, VIT
Dr. V. S. Kanchana Bhaaskaran, Vice Chancellor, VIT
Dr. Dipak Kumar Kar, Vice Chancellor, Vidyasagar University
Dr. T. Thyagarajan, Pro Vice Chancellor, VIT, Chennai
Dr. K. Sathiyaranarayanan, 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
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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

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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



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 Tiruchirappalli

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
21st February 2026



Abstract Acceptance Status
23rd February 2026



Full Paper Submission
15th April 2026



Registration For Participation
13th March 2026



Conference Dates
26th & 27th March 2026

Contact

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