

## KEY NOTE SPEAKERS:



### Dr. Nishchal K. Verma,

Professor, Department of Electrical Engineering, Indian Institute of Technology Kanpur, India.

**Topic :** Deep Learning and Fuzzy Systems

### Mr. D Swaminathan,

Principal Consultant, ISO Cyber Specialist FZE, UAE

CISA CISSP CGEIT C | CISO CEH CEI CHFI CIA, ITIL-EXPERT, APMG ISO/IEC 20000 (2018 Auditor) , COBIT 5F ASSESSOR IMPLEMENTOR, ISO 9001LA, ISO27001 LA, ISO22301LA, ISO20000LA, ISO27701, Exposure to PCMM.

**Topic :** Cyber security in IOT

### Dr. N. Sadagopan,

Assistant Professor & Head of the Department, Department of Computer Science and Engineering, Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram.

**Topic :** Hamiltonicity and its variants - Complexity and Computing

### Dr. Kusumdeep,

Professor, Department of Mathematics, Indian Institute of Technology, Roorkee.

**Topic :** Evolutionary algorithms and applications

### Dr. Pankaj Srivastava,

Professor, Formerly Head, Department of Mathematics, M. N. National Institute of Technology, Prayagraj.

**Topic :** Mathematical Modelling -information age

### Dr. G. Mathivanan,

Professor, Department of Information Technology, Sathyabama Institute of Science Technology, Chennai.

**Topic :** Fuzzy techniques & Inference

### Dr. K. A. Venkatesh,

Adjunct Professor, IIIT-B, India, Professor of Mathematics & Computer Science, Myanmar Institute of Information Technology, Mandalay, Myanmar.

**Topic :** Ridge and Lasso Regression

### Dr. Mandeep Mittal,

Professor, Head of the Department, Department of Mathematics, AIAS, Amity University Noida.

**Topic :** Supply Chain Management

### Dr. Jagadish Chand Bansali,

Associate Professor, Department of Mathematics, South Asian University, New Delhi.

**Topic :** Swarm Intelligence: A promising technique for optimization

### Dr. Nagarajan E,

R & D HEAD (AI and MACHINE LEARNING) Co-Founder, Mayan Technology Services.

**Topic :** Text mining or sentiment analysis

### Dr. Balasubramanian Ramachandran,

Former Director, The Institute of Mathematical Sciences, Chennai.

**Topic :** Elliptic curve cryptography

### Dr. C. Vijayalakshmi,

Associate Professor, Department of Statistics and Applied Mathematics, Central University, Thiruvananthapuram.

**Topic :** Fuzzy Optimization in real time scenario

### Dr. Amit Kumar,

Associate Professor, School of Mathematics, Thapar Institute of Engineering & Technology, Patiala, Punjab, India.

**Topic :** Need of fuzzy numbers in decision making problems

### Dr. Madhumangal Pal,

Professor, Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University.

**Topic :** Fuzzy graph

### Dr. Jay Bharatesh Simha,

CTO of ABIBA Systems, Bangalore.

**Topic :** Fuzzy data mining for Explainable AI

### Dr. Nachamai M,

Data Scientist Siemens Health care, Bangalore.

**Topic :** Deep learning in healthcare

### Dr. B. Chaluvaram,

Professor, Department of Mathematics, Bangalore University, Bangalore.

**Topic :** A Perspective approach of Discrete Mathematical Modelling using some Structural (Graph/Network) Analysis

### Dr. Venkatesh Raman,

Professor, The Institute of mathematical Sciences, Chennai.

**TOPIC :** "Theoretical Computer Science"

### Dr. R Srikanth,

Professor, Poornaprajna Institute of Scientific Research, Bangalore.

**Topic :** Device-independent cryptography in operational quantum mechanics and generalized probability theories

### Dr. Robinson,

Head of the department, Department of Mathematics, Madras Christian College, Chennai.

**TOPIC :** Few Variants in Membrane Computing

### About D. G. Vaishnav College:

Dwarka Doss Goverdhan Doss Vaishnav College, a linguistic minority institution established in the year 1964 by the Rajasthanis and Gujaratis settled in Chennai for the cause of higher education. The college with a sole purpose of imparting knowledge and value based education saw its grand day on 30th June 1964 with one course in B.Sc., Mathematics with Shri. Totadri Iyengar (Teacher of Dr. APJ Abdul Kalam) as its first Principal. Dwarka Doss Goverdhan Doss Vaishnav College has been a haven for generations of enthusiastic learners through five decades and more. College was founded on the principles of Vaishnavism, with the sole purpose of imparting value based quality education and empowering the youth. The college has seen a phenomenal growth in terms of its infrastructure and revamped curriculum to cater to the specific needs of the student's community. Outstanding performance of the students in academics and extension activities has enabled the college to emerge one of the premier institutions of higher learning.

### About the Department :

The Post Graduate and Research Department of Mathematics, D G Vaishnav College, Chennai has been vigorously engaged in both research and teaching. The Department has energetic and dedicated faculty members who actively involved in research areas like Complex Analysis, Number Theory, Mathematical Analysis, Fuzzy Sets, Fuzzy Optimization, Petri nets, Information Security, Differential equations, Wavelets and Numerical Methods. The Department offers B.Sc., M.Sc. and M.Phil. Courses in Mathematics.

### Conference Objective :

Conference provides an excellent international forum for academicians, and researchers around the world to present their researches and to exchange ideas on recent developments in Contemporary Mathematics & Its Applications. Conference will include contributions by invited speakers and oral presentations. Participants are invited to submit an abstract / article of their works, from all fields of mathematics. We invite the researchers to contribute original research articles for an online presentation during the conference. Our conference will be held by online Platform Mode.

### Call for Papers :

Authors are invited to submit their original and unpublished research papers on topics covering broad areas of Mathematical Modelling, Fuzzy Sets, Theoretical Computer Science, Soft Computing, Number theory and Cryptography. The papers should not have been or submitted to any other source for publication. 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 Rs.500/- and E-certificate will be given to all the registered participants.

### Submission of Papers :

Authors are requested to submit full research article in word format, not exceeding 10 pages in Times New Roman Font, 12 point, single line spacing, single column format and fully justified, to the email id mathconf@dgvaishnavcollege.edu.in. The paper should consist of Title (14pt), Abstract (10pt) not exceeding 250 words, Keywords (4 to 6 words), Introduction, Results, Discussions, Conclusions and References. The research articles selected for presentation in the conference will be published in the form of proceedings with ISBN Number. Further selected papers will be recommended for publication in reputed journals pertaining to the norms of the journal. Journal publication and processing charges shall be borne by the authors only.

Jai Shri Krishna



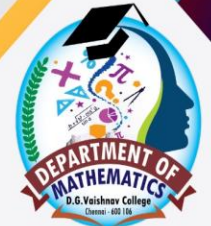
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College with Potential for Excellence

Linguistic Minority Institution

Affiliated to University of Madras



## National Conference on Contemporary Mathematics & Applications



Date : 20.10.2021 - 23.10.2021

Time : 9.00 am - 5.30 pm

Organized by :  
Post Graduate & Research Department  
of Mathematics  
D.G. VAISHNAV COLLEGE

## Conference Theme :

Topics of interest include, but are not limited to :

### Mathematical Modeling

- Mathematical modelling in Science Technology and Engineering
- Mathematical modelling in information age.
- Uncertainty theory applications
- Numerical Methods
- Coding Theory

### Fuzzy sets

- Fuzzy Optimization
- Fuzzy Techniques & Fuzzy inference methods
- Fuzzy decision-making techniques
- Fuzzy Pattern recognition

### Theoretical Computer Science

- Logic & applications
- Formal methods & Applications
- Combinatorial optimization
- Computational Geometry
- Combinatorics

### Soft Computing

- Evolutionary algorithms & Applications
- Genetic Algorithms & Applications
- Neural network & Applications
- Rough sets and applications

### Number theory and Cryptography

- Elliptic curve cryptography
- Cyber security in IOT
- Cryptography Algorithms & Applications
- Quantum Cryptography
- Cyber Security and Machine learning

## National Conference on Contemporary Mathematics & Applications

Date : 20.10.2021 - 23.10.2021

### Chief Patron



**Shri. Ashok Kumar Mundhra**  
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**Dr. S. Santhosh Baboo**  
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Chennai - 600 106

### Co - Convener



**Prof. R. Venkataramanan**  
Head, PG & Research  
Department of Mathematics,  
D. G. Vaishnav College  
Chennai - 600 106

### Publication Detail :

All Selected and presented paper will be published in a UGC listed / SCOPUS / WoS indexed journal with authors' concern Article Processing Charges (APC)

### Important Dates

Paper Submission Deadline : 02.10.2021  
Final Acceptance Notification : 09.10.2021  
Camera Ready Submission : 15.10.2021  
Conference Dates : 20.10.2021 - 23.10.2021  
Registration Fee : Rs. 500/-

### Bank Details

Name of Account : The Principal, DGVC  
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#### Registration Link



#### Article Submission Link (or) Email for Paper Submission

**E-mail: [mathconf@dgvaishnavcollege.edu.in](mailto:mathconf@dgvaishnavcollege.edu.in)**



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