JAI SHRI KRISHNA

Dwaraka Doss Goverdhan Doss Vaishnav College (Autonomous)

Reaccredited with A++ by NAAC
Affiliated to University of Madras
College with Potential for Excellence
Linguistic Minority Institution
Arumbakkam, Chennai 600 106

Post Graduate & Research Department of Mathematics
cordially invite to the

Two day International Conference on Advanced Research in Mathematics and its Industrial Applications

ICARMIA - 2025
Hybrid mode

Inaugural Chief Guest

Dr. V.V. Banu Rekha
Scientist F
Department of Clinical Research
ICMR-NIRT, Chennai

VENUE : SRG AUDITORIUM

DATE : 17th and 18th FEBRUARY 2025

TIME : 9:00 am

Inaugural Programme

17th February 2025

Time: 9:00 am

Inaugural Address

Dr. Ashok Kumar Mundhra
Secretary, DDGD Vaishnav College, Chennai
Chief Patron

Presidential Address

Dr. S. Santhosh Baboo
Principal, DDGD Vaishnav College, Chennai
Patron & Convenor

Welcome Address

Ms. M. Devika
Associate Professor & Head
PG & Research Department of Mathematics
DDGD Vaishnav College, Chennai
Co-Convenor

Release of Conference Proceedings

Chief Guest Address

Dr. V.V. Banu Rekha
Scientist F
Department of Clinical Research
ICMR-NIRT, Chennai

Vote of thanks

SESSION -1   Time: 9:45 am to 10:45 am

Dr. Mohana Sundaram Muthuvalu
Professor
Department of Fundamental &
Applied Sciences
Universiti Teknologi, Petronas
Malaysia

Topic: : Computational Neuro-Oncology: Advances in Numerical Techniques for Brain Tumour Modelling and Prediction

Tea break
10: 45 am to 11:00pm

SESSION -2   Time: 11:00 am to 12:00 noon

Dr. Priyavrat Deshpande
Associate professor
Chennai Mathematical Institute
Chennai

Topic: Theory and applications of graph kernels

SESSION -3   Time: 12:00 noon to 1:00 pm

Dr. K. C Sivakumar
Professor
Department of Mathematics
Indian Institute of Technology
Chennai

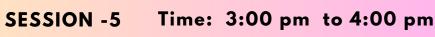**Topic :   Tridiagonal matrices, an optimization problem and related results**

LUNCH BREAK :
1:00 PM TO 2:00 PM

SESSION -4   Time: 2:00 pm to 3:00 pm

Dr. Benoit Rittaud
Professor
Sorbonne Paris Nord University
France

Topic: : Combinatorics of numeration systems

SESSION -5   Time: 3:00 pm to 4:00 pm

Mr. Andy Brown
Global CTO, SAP Practice
Atos Eviden
United Kingdom

Topic: : The influence of advanced mathematics and AI in modern Enterprise Resource Planning (ERP) systems

SESSION -6   Time: 9:00 am to 10:00 am

Ms. Leela Varadharajan
Instructor - Finance
College of Business
Oregon State university
Corvallis, USA

Topic : Rise of technology and AI in Financial Planning

SESSION -7   Time: 10:00 am to 11:00 am

Dr. M. Pitchaimani
Director
Associate Professor and Head
Ramanujan Institute for Advanced
Study in Mathematics
University of Madras, Chennai

Topic: Modelling with Dynamical systems

Tea break
11: 00 am to 11:15 am

SESSION -8   Time: 11:15am to 12:15 pm

Dr. G. Arun kumar
Assistant Professor
Department of Mathematics
Indian Institute of Technology
Chennai

Topic : Chromatic Symmetric Function, Stanley's Tree Conjecture and Lie Algebras

Paper Presentation Session - I & II
12:15 pm - 1:30pm

Chair person

Dr. G. Arun kumar
Assistant Professor
Department of Mathematics
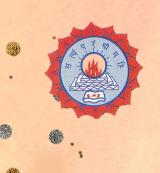Indian Institute of Technology
Chennai

Chair person

Dr. N. Jansirani
Associate Professor and Head
Department of Mathematics
Queen Marys college, Chennai

LUNCH BREAK
1:30 PM TO 2:30 PM

Valedictory
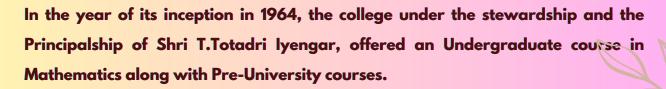**3:00pm - 4:00 pm**

VALEDICTORY

18th February 2025
Time: 3:00 pm

CHIEF GUEST

Mr. Harikrishna Venkatesh
Associate Partner
IBM, Chennai

ABOUT THE DEPARTMENT:

In the year of its inception in 1964, the college under the stewardship and the Principalship of Shri T.Totadri Iyengar, offered an Undergraduate course in Mathematics along with Pre-University courses.

The University elevated the Department to the Postgraduate status in the year 1980. University of Madras upgraded the department to the research department and M.Phil course was started in the year 2001. The Department was given the Ph.D affiliation in the year 2022. The Department has energetic, dedicated and research oriented faculty members who actively involve in research areas like Complex Analysis, Number theory, Mathematical Analysis, Fuzzy sets, Fuzzy Optimization, Petrinets, Information Security, Differential equations, Wavelets and Numerical Methods.

Milestones

B.Sc Mathematics 1964

M. Sc Mathematics 1980

M.Phil Mathematics 2001

PhD - 2022