



Department of Mathematics  
Loyola College, Chennai - 34.

*cordially invites you to the inagural function of*

**International Conference on Recent  
Trends in Applied Mathematics  
(ICRTAM 2023)**

Chief Guest

**Dr. T. PATHINATHAN**  
Principal  
Loyola College, Vettavalam

on

FRIDAY | 24 Feburary, 2023 | At 9 am


Venue

Lawrence Sundaram Hall (LS)  
Loyola College, Chennai

**Dr. M. A. Basker**  
Co-Convenor

**Dr. D. Antony Xavier**  
Convenor

**ALL ARE WELCOME**



## Program Schedule

9.00 a.m. Prayer Song

9.05 a.m. Welcome Address & Theme of the Conference

Dr. D. Antony Xavier  
Convenor, ICRTAM 2023

9.10 a.m. Felicitations

Rev. Dr. B. Jeyaraj, S.J  
Secretary & Correspondent  
Loyola College, Chennai

Dr. J. A. Charles  
Deputy Principal  
Loyola College, Chennai

9.15 a.m. Inaugural Address

Dr. T. Pathinathan  
Principal  
Loyola College, Vettavalam

9.25 a.m. Vote of Thanks

Ms. T. Shiba Neenu  
Assistant Professor  
Department of Mathematics  
Loyola College, Chennai



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**International Conference on Recent  
Trends in Applied Mathematics  
(ICRTAM 2023)**

**Chief Guest**

**Dr. T. Edwin Prabakaran**

Head, Department of Statistics  
Loyola College, Chennai

on

**SATURDAY | 25 February, 2023 | At 2 pm**

Venue

M. R. F. Hall  
Loyola College, Chennai

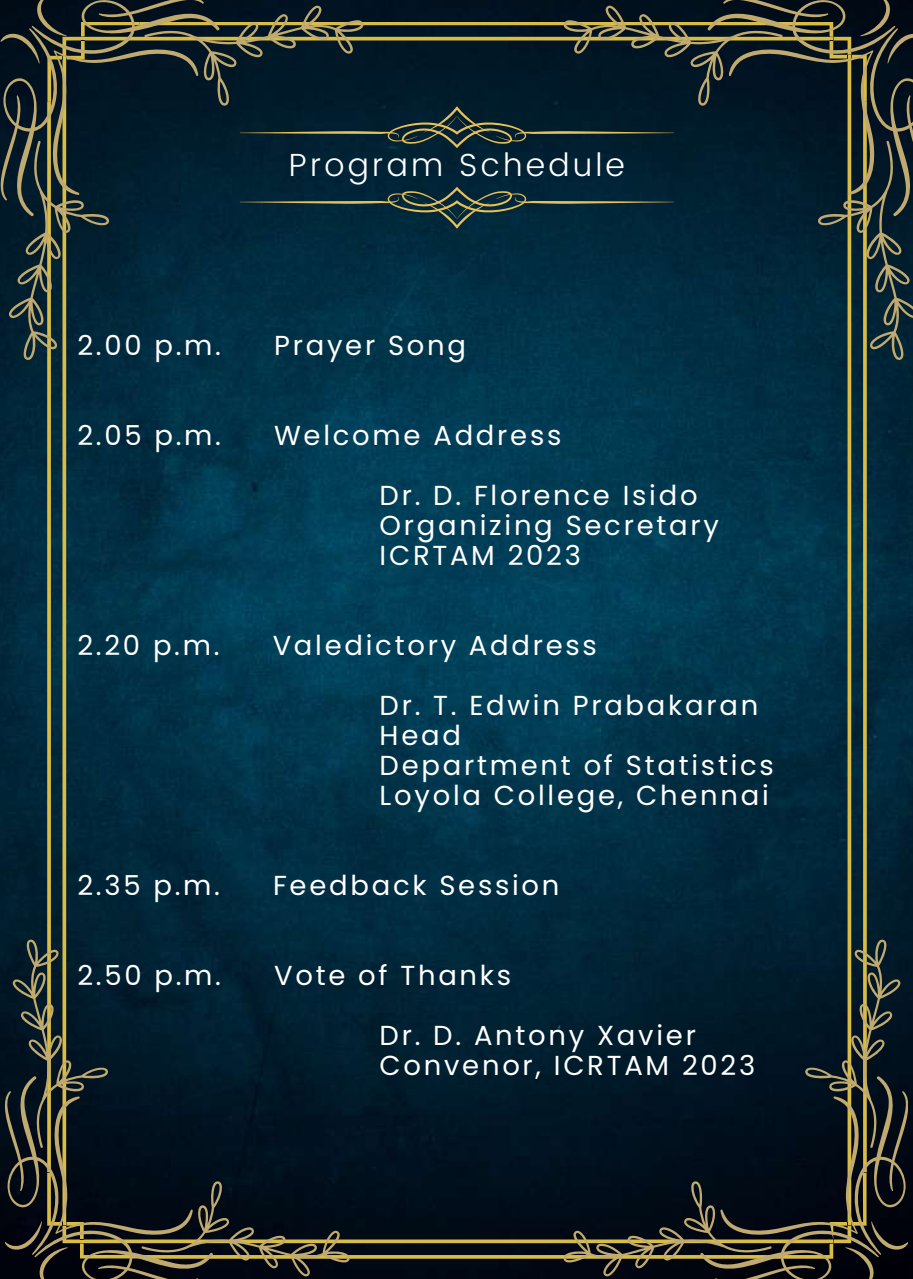
**Dr. M. A. Basker**

Co-Convenor

**Dr. D. Antony Xavier**

Convenor

**ALL ARE WELCOME**



## Program Schedule

2.00 p.m. Prayer Song

2.05 p.m. Welcome Address

Dr. D. Florence Isido  
Organizing Secretary  
ICRTAM 2023

2.20 p.m. Valedictory Address

Dr. T. Edwin Prabakaran  
Head  
Department of Statistics  
Loyola College, Chennai

2.35 p.m. Feedback Session

2.50 p.m. Vote of Thanks

Dr. D. Antony Xavier  
Convenor, ICRTAM 2023



**INTERNATIONAL CONFERENCE ON RECENT TRENDS IN  
APPLIED MATHEMATICS – ICRTAM 2023**

**Department of Mathematics, Loyola College, Chennai 600 034, India**

**24<sup>th</sup> & 25<sup>th</sup> FEBRUARY 2023**

**PROGRAM SCHEDULE**

**meet link:** <https://meet.google.com/uhq-fuzg-qzw>

**DAY 1 – 24<sup>th</sup> February 2023**

9.00 – 9.30 a.m. (IST)	<b>INAUGURAL FUNCTION</b>		
9.30 – 10.30 a.m. (IST)	Keynote Address	<b>Prof. Xueliang Li</b> Centre of Combinatorics Nankai University, Tianjin, China  <b>Title:</b> Extremal Problems for Graphical Function-Indices and Function-Weighted Adjacency Matrices	L S HALL (Online mode)
10.30 – 11.00 a.m. (IST)	<b>HIGH TEA</b>		
11.00 – 11.50 a.m. (IST)	Invited Talk 1	<b>Dr. T. Karthick</b> Computer Science Unit Indian Statistical Institute Chennai, India  <b>Title:</b> Recent Results on Vertex Coloring of Graphs	L S HALL (Offline)
12.00 – 12.50 p.m. (IST)	Invited Talk 2	<b>Prof. A. K. Bedabrata Chand</b> Department of Mathematics Indian Institute of Technology Chennai, India  <b>Title:</b> Shape Preserving Aspects of Graph Directed Fractal Functions	L S HALL (Offline)
1.00 – 2.00 p.m. (IST)	<b>LUNCH BREAK</b>		
2.00 – 2.50 p.m. (IST)	Invited Talk 3	<b>Dr. Mathew Thorpe</b> Department of Applied Mathematics The University of Manchester United Kingdom  <b>Title:</b> Linearised Optimal Transport Distances	L S HALL (Online mode)
3.00 – 4.00 p.m. (IST)	<b>PAPER PRESENTATION</b>		

4.00 – 4.15 p.m. (IST)	<b>HIGH TEA</b>		
<b>DAY 2 – 25<sup>th</sup> February 2023</b>			
9.00 – 9.50 a.m. (IST)	Invited Talk 4	<p style="text-align: center;"><b>Prof. Yang Kuang</b> School of Mathematical and Statistical Sciences Arizona State University Tempe, USA</p> <p style="text-align: center;"><b>Title:</b> Rich and Realistic Dynamics of Resource Quality- based Population Models</p>	M R F HALL (Online mode)
10.00 – 10.50 a.m. (IST)	Invited Talk 5	<p style="text-align: center;"><b>Dr. Vidyottama Jain</b> Department of Mathematics, Central University of Rajasthan India</p> <p style="text-align: center;"><b>Title:</b> Semi-Markov Modeling for Power Efficiency of NB-IoT Devices in 5G Networks</p>	M R F HALL (Online mode)
10.50 – 11.15 a.m. (IST)	<b>HIGH TEA</b>		
11.15 – 12.10 p.m. (IST)	Invited Talk 6	<p style="text-align: center;"><b>Dr. Nachiketa Mishra</b> Department of Mathematics IITDM, Kancheepuram India</p> <p style="text-align: center;"><b>Title:</b> Epidemic Models on a Graph Network</p>	M R F HALL (Online mode)
		<p style="text-align: center;"><b>Dr. A. Felix</b> Department of Mathematics VIT, Chennai India</p> <p style="text-align: center;"><b>Title:</b> Fuzzy Inference System and its Applications in Medical Diagnosis</p>	Centennial Physics Ph.D Hall (Offline)
12.10 – 1.00 p.m. (IST)	<b>PAPER PRESENTATION</b>		
1.00 – 2.00 p.m. (IST)	<b>LUNCH BREAK</b>		
2.00 – 3.00 p.m. (IST)	<b>VALEDICTORY FUNCTION &amp; CERTIFICATE DISTRIBUTION</b>		
3.00 – 3.30 p.m. (IST)	<b>HIGH TEA</b>		