

**RECENT ADVANCES OF PURE AND
APPLIED MATHEMATICS WITH INDUSTRIAL
APPLICATIONS and MATAAC 2025**

PROGRAMME

19.03.2025 Wednesday **Venue : Mother Teresa Hall**

- 08.30 – 09.30 am : Registration
- 09.30 – 10.30 am : Inauguration
- Felicitation & Blessings : **Rev. Dr. John Pragasam, SJ**
Rector
Rev. Dr. A. Antonyamy, SJ
Secretary
- Presidential Address : **Rev. Dr. M. Anbarasu, SJ**
Principal
- Inaugural Address : **Dr. A. Noufal**
Associate Professor of Mathematics
Cochin University of Science and Technology, Kerala
- 10.30 – 11.30 am **Technical Session I**
- Topic : Framelets: Bridging Theory and Application in Image Processing
- Resource Person : **Dr. A. Noufal**
Associate Professor of Mathematics
Cochin University of Science and Technology, Kerala
- 11.30 – 12.30 pm **Technical Session II**
- Topic : Application of AI and Data Mining in Decision Making Problems
- Resource Person : **Dr. P. John Robinson**
Assistant Professor of Mathematics
Bishop Heber College (Autonomous), Tiruchirappalli
- 12.30 – 01.30 pm : Lunch
- 01.30 – 03.00 pm : Paper Presentation and MATAAC Events
- 03.00 – 04.00 pm : Valedictory Function
- Valedictory Address : **Dr. A. Sundararaj**
Deputy Principal
- Special Address : **Mr. M. Pandiyarajan**
Sr. Manager - Manufacturing
JK Fenner (India) Ltd, Madurai
- Topic : Digitalization and AI in Manufacturing
- Distribution of Certificates
- National Anthem

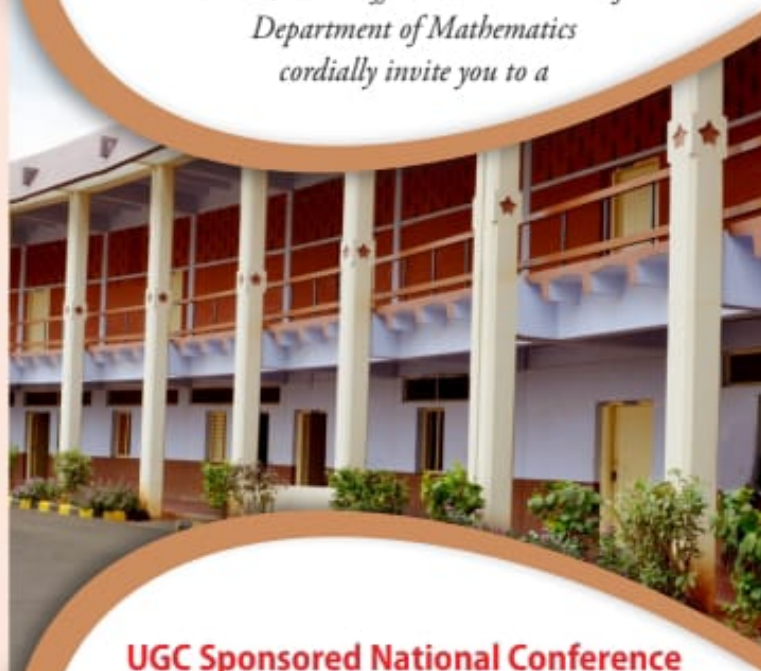


Arul Anandar College (Autonomous)

Reaccredited by NAAC at 'A' Grade
Karumathur 625 514
Madurai District

Department of Mathematics

*The Head, The Staff and The Students of the
Department of Mathematics
cordially invite you to a*



UGC Sponsored National Conference

on
**RECENT ADVANCES OF PURE AND
APPLIED MATHEMATICS WITH
INDUSTRIAL APPLICATIONS**

and
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on
March 19, 2025

**UGC Sponsored National Conference on
RECENT ADVANCES OF PURE AND APPLIED
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March 19, 2025**

Chief Patrons

Rev. Dr. John Pragasam, SJ, Rector
Rev. Dr. A. Antonysamy, SJ, Secretary

Patron

Rev. Dr. M. Anbarasu, SJ, Principal

Convenor

Mr. J. Robert Dhilliban
Assistant Professor & Head, Dept of Mathematics

Organizing Secretary

Dr. M. Sajan Joseph
Assistant Professor, Dept of Mathematics

Organizing Committee

Dr. M. Gilbert Rani, Assistant Professor of Mathematics
Dr. G. Ramkumar, Assistant Professor of Mathematics
Dr. Nivetha Martin, Assistant Professor of Mathematics
Dr. J. Geno Kadwin, Assistant Professor of Mathematics
Dr. R. Premkumar, Assistant Professor of Mathematics
Ms. P. Keerthana, Assistant Professor of Mathematics

About The College

Arul Anandar College (Autonomous and Co-Educational) is a Jesuit Catholic Institution, affiliated to Madurai Kamaraj University. The College began offering pre-degree and undergraduate courses in 1970. In the Aided stream, the college presently offers 7 UG, 3 PG and 5 Research Programmes. In the Self-financed stream, 11 UG and 6 PG Programmes are offered. The institution is reaccredited by NAAC at 'A' grade in the IV cycle. The institution is working hard for the past 55 years towards the social transformation of the neighbouring rural populace.

About the Department

The Department of Mathematics, established in 1971, offers undergraduate and postgraduate programmes under both aided and self-financed streams. Recognized as a Research Centre by Madurai Kamaraj University in 2023, the department is committed to imparting mathematical knowledge and skills for social transformation. It enhances students' employability through career-oriented and value-added courses. To foster research and innovation, the department organizes annual conferences and workshops at both national and international levels, focusing on contemporary trends and applications of mathematics across various domains. As part of its outreach initiatives, the Department conducts "Kanitham Karpom", a motivational program designed exclusively for school students to foster a deeper interest in mathematical learning.

Objectives of the Conference

- To create a suitable platform for the researchers to exchange their research ideas with eminent experts of diverse fields of mathematics.
- To explore contemporary mathematical concepts and their applications with special reference to industrial domain.
- To enable the young aspiring budding researchers of mathematics acquire the nuances of mathematical research.

Call for Papers

We invite original research articles in pure and applied Mathematics and their applications to industrial applications, engineering sciences and other related areas. The abstract should contain the title in block letters, name of the author(s), address(es), keywords and references (in MS Word - Times New Roman - font size 12) and to be sent to

Email : mathematics@aactni.edu.in

All accepted and registered abstracts will be published in the conference proceedings with ISBN registration. Further, upon the willingness of the authors, the full-length manuscripts will be submitted to Scopus indexed journals in partnership with Chendur Publishing House, Chennai. Only the articles meeting the standards of the journals will be processed and published in the below given journals with APC (Article Processing Charges).

- Communications on Applied Nonlinear Analysis
- Panamerican Mathematical Journal

Registration is open to faculty members, research scholars and PG students of Mathematics, Engineering sciences and other related domains.

Registration fee

Online Presentation	: Rs. 500.00
Teaching Staff	: Rs. 400.00
Research Scholars	: Rs. 300.00
Students (UG / PG)	: Rs. 200.00

Other information

- No TA/DA will be provided
- Lunch will be provided

Registration Link

<https://forms.gle/ete11HT5Y1zEAZLk9>

Dates to remember

Submission of abstracts	: 15.03.2025
Last date for registration	: 17.03.2025