



**DEPARTMENT OF MATHEMATICS  
(Center for Research)**



**ARUL ANANDAR COLLEGE (AUTONOMOUS)**

Affiliated to Madurai Kamaraj University

Reaccredited by NAAC at 'A' Grade

DST - FIST Sponsored College

Karumathur - 625 514, Madurai Dt.

cordially invites you to a one-day UGC sponsored National Conference on

***RECENT ADVANCES OF PURE AND APPLIED MATHEMATICS  
WITH INDUSTRIAL APPLICATIONS-2024  
(RAPAMIA - 2024)***

**Inauguration : 9.00 - 9.30 am**

**Day - 1**

**04 March 2024**

**Diraviam Arangam**

- Invocation : **Department Choir**
- Tamizhthai Vaazhthu
- Welcome Address : **Mr. J. Robert Dhiliban**  
Assistant Professor & Head
- Presidential Address : **Rev. Dr. M. Anbarasu, SJ**  
Principal
- Inaugural Address : **Dr. V. Lakshmana Gomathi Nayagam**  
National Institute of Technology  
Tiruchirappalli
- Felicitation : **Rev. Dr. John Pragasam, SJ**  
Rector
- Vote of Thanks : **Dr. I. Pradeepa**  
Assistant Professor

**Technical Session I : 9.30 – 10.30 am**

**Topic : Similarity Measure on Intuitionistic Fuzzy Numbers  
and its Applications**

*Resource Person*

**Dr.V. Lakshmana Gomathi Nayagam**

**Associate Professor  
Department of Mathematics  
National Institute of Technology  
Tiruchirappalli**

**Technical Session II : 10.30 – 11.30 am**

**Topic : Introduction to Persistent Homology**

*Resource Person*

**Dr. Sunil Jacob John**

**Professor  
Department of Mathematics  
National Institute of Technology, Calicut**

**Tea Break : 11.30 - 11.45 am**

**Technical Session III : 11.45 am – 1.00 pm**

**Topic : Rhotrix and its Applications in Cryptography**

*Resource Person*

**Dr. P. Gnanachandra**

**Assistant Professor (SG),  
Centre for Research and Post-Graduate Studies in Mathematics,  
Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi**

**Lunch : 01.00 - 2.00 pm**

**Technical Session IV : 02.00 – 03.30 pm**

**Topic : Role of Computational Mathematics in Industrial  
Applications**

*Resource Person*

**Mr. R. P. Rajaram**

**Senior Technical Manager,  
HCL Tech, Chennai**

**Paper Presentation : 03.30 – 04.00 pm**

**Valediction : 4.00 - 4.30 pm**

- Welcome Address : **Dr. G. Ramkumar**  
Assistant Professor
- Felicitation : **Mr. R. Justin Kennedy**  
Vice Principal (Shift - II)
- Valedictory Address : **Dr. A. Sundararaj**  
Deputy Principal (Shift - II)
- Vote of Thanks : **Dr. M. Gilbert Rani**  
Organizing Secretary
- National Anthem

**Day - 2**

# **MATAAC - 2024**

(STATE LEVEL INTERCOLLEGIATE COMPETITIONS)

**5 March 2024**

**Diraviam Arangam**

**Inauguration : 9.30 - 10.00 am**

Invocation : **Department Choir**

Tamizhthai Vaazhthu

Welcome Address : **Dr. M. Sajan Joseph**  
Organizing Secretary

Inaugural Address : **Dr. A. Antonysamy, SJ**  
Secretary

Felicitation : **Dr. A. Duraisingam**  
Vice Principal (Shift - I)

Vote of Thanks : **Dr. R. Premkumar**  
Assistant Professor

**Competitions : 10.00 am - 1.00 pm**

**Paper Presentation**

**Math Model**

**Rangoli**

**Mathematical Quiz**

**Dumb C**

**Math Rhythm**

**Lunch : 1.00 pm - 2.00 pm**

**Competitions : 2.00 pm - 3.00 pm**

**Valediction : 3.00 pm - 4.00 pm**

- Invocation : **Department Choir**
- Tamizhthai Vaazhthu
- Welcome Address : **Dr. Nivetha Martin**  
Assistant Professor
- Felicitation : **Rev. Fr. V. Innachi John, SJ**  
Vice Principal (Shift - II)
- Felicitation : **Dr. P. Arockia Juliet**  
Vice Principal (Shift - II)
- Quiz Master : **Dr. J. Xavier Adaikalaraj**  
Associate Professor
- Valedictory Address &  
Distribution of Prizes : **Dr. M. Anbarasu, SJ**  
Principal
- Vote of Thanks : **Mr. B. Sugumar**  
Student Secretary