

St. John's College of Arts and Science
Ammandivilai
Department of Mathematics
National Conference on Emerging Trends in Discrete and Abstract
Mathematics(NCETDAM-2022)

Date : 13th and 14th October 2022

Time : 10:00am to 3:15pm

Venue : Jan Vriend Auditorium & Multimedia Hall

The National Conference on Emerging trends on Discrete and Abstract Mathematics NCETDAM-2022 was organized by the department of Mathematics, St. John's college of Arts and Science, Ammandivilai on October 13 & 14, 2022 at Fr. Jan Vriend Auditorium. This conference was lead by Dr.S.Elizabeth Bernie, Head of the Department and Dr.S.Ancy Mary, organizing secretary, Assistant Professor, Dept. of Mathematics.

DAY: 1

On 13th October 2022, the registration began by 9:00am and the inaugural session started by 10:00am followed by the prayer song of the dept. choir. Dr.S.Elizabeth Bernie, Head of the Department welcomed the gathering by the welcome address. Rev.Fr.Dr.V.John Bosco delivered the presidential address. Rev.Fr.Sam F Mathew, Secretary and Dr.M.Edwin Gnanadhas, the Principal felicitated the event. Followed by them Dr.C.Bency, Asst. Prof., dept. of Mathematics introduced the resource person Dr.P.J.A.Alphonse, Professor,NIT, Thiruchirapalli. And Dr.J.Virgin Alngara Sheeba delivered the vote of thanks.





After the tea break, technical session 1 started by 10:45am. Dr.P.J.A.Alphonse, Professor,NIT, Thiruchirapalli shared his knowledge about applications in graph theory. Followed by this talk, paper presentation session started by 12:00 pm which was monitored by the chairperson Dr.P.J.A.Alphonse, Professor,NIT, Thiruchirapalli and Dr.R.Surya, Asst. Prof., Sree Ayyappa College of Arts and Science, Chunkankadai. After the lunch break technical session 2 started by 1:00pm followed by introducing the chief guest Dr.J.R.V.Edward, Professor, Scott Christian College(Autonomous), Nagercoil by Ms.Q.Anlin Louisha Merlac, Assistant Professor, Dept. of Mathematics. The resource person shared his knowledge about the topic Semi Banach spaces. Followed by this talk, paper presentation session started by 2:30 pm which was monitored by the chairperson Dr.R.Surya, Asst. Prof., Sree Ayyappa College of Arts and Science, Chunkankadai. Finally the vote of thanks delivered by Ms.Amisha Mourish, student secretary, II M.Sc Mathematics winded up the session.

DAY: 2

On 14th October 2022, the registration began by 9:00am Dr.S.Elizabeth Bernie, Head of the Department introduced the resource person Dr.Sr.K.A.Germina, Professor, Central University of Kerala. She shared her knowledge about the topic A measurement of structural balance on signed network. Followed by this talk, paper presentation session started by 12:00 pm which was monitored by the chairperson Dr.Sr.K.A.Germina, Professor, Central University of Kerala and Dr.R.Surya, Asst. Prof., Sree Ayyappa College of Arts and Science, Chunkankadai. After the lunch break technical session 2 started by 1:00pm followed by introducing the chief guest Dr.S.Sujith, Asst. Prof., St.Xavier's College, Palayamkottai by Ms.Q.Anlin Louisha Merlac, Assistant Professor, Dept. of Mathematics. The resource person shared his knowledge about the topic Generalized construction map and their application. After that the valedictory session started by 2:30 pm. Dr.S.Elizabeth Bernie, Head of the Department welcomed the gathering and Rev.Fr.Dr.V John Bosco, the Chairman issued the certificates to the candidates participated in the conference. Finally Dr.S.Ancy Mary, organizing secretary, Assistant Professor, Dept. of Mathematics delivered the vote of thanks and winded up the session.



Head of the Department

Dr. M. EDWIN GNANADHAS
PRINCIPAL
St. John's College of Arts and Science
Ammendivilai-628 204

Resource Persons



Dr. P. J. A. Alphonse
Professor,
National Institute of Technology
Tiruchy.

Topic: Applications in Graph Theory



Dr. S. Sujith
Assistant Professor,
St. Xavier's College
Tirunelveli.

**Topic: Generalised Contraction Map and
their Applications.**



Dr. K. A. Germina
Head of the department,
Central University of
Kerala.

**Topic: The Measurement of structural balance
in a signed network.**



Dr. J. R. V. Edward,
Principal,
Scott Christian College,
Nagercoil.

Topic: Semi Banach Spaces

ORGANIZING COMMITTEE

Chief Patrons

Rev. Dr. V. John Bosco, *Founder & Chairman*
Rev. Fr. A. Albin Roby, *Founder & Trustee*

Patrons

Rev. Fr. Sam F Mathew, *Secretary*
Dr. M. Edwin Ganandhas, *Principal*

Convener

Dr. S. Elizabeth Bernie, *Head of the Department*

Organizing Secretary

Dr. S. Aney Mary

Organizing Members

Mrs. N. Saratha
Dr. J. Virgin Alangara Sheeba
Mrs. M. Nisha
Dr. C. Beney
Ms. Q. Anlin Louisha Merlac

Students Co-ordinator

A. Amisha Maurish
(*Final Year PG Mathematics*)
G. Mershin Sushma
(*First Year PG Mathematics*)

For Details Contact

Organizing Secretary
Dr. S. Aney Mary
Mobile No: 8220430733
Further Details
Dr. C. Beney
Mobile No: 7339132992

National Conference on Emerging Trends in Discrete and Abstract Mathematics

NCETDAM-2022

13, 14 Oct 2022



Organized by

Department of Mathematics

St. John's College of Arts and Science

Ammandivilai

Kanyakumari District, Tamilnadu



Dear Sir/Madam Warm Greetings!

We cordially invite the Faculty Members, Research Scholars and Post Graduate Students from your esteemed institution to participate in the "NATIONAL CONFERENCE ON EMERGING TRENDS IN DISCRETE AND ABSTRACT MATHEMATICS" to be held on 13.10.2023 and 14.10.2022.

ORGANIZING INSTITUTION

St. John's College of Arts and Science was established in the year 2009 as a Minority Educational Institution. The Motto of our College "seek, strive, succeed and serve" and the mission of our college is "To provide accessible, affordable and personalized educational opportunities and to build character as founded on the Christian values of faith, hope and love". Our college offers seven UG programmes, four PG programmes, two M.Phil programmes and two research departments. The college is approved by UGC under section 2F and 12B

ORGANIZING DEPARTMENT

The Department of Mathematics was started in the year 2009. Our department has experienced and dedicated staff members. Our department students update their knowledge in both their subjects and extra activities.

About the Conference

The Conference aims to bring together the eminent researchers in the area of Graph Theory and facilitate them to further work on some applications especially on network problems. The conference provides an opportunity for the young researchers to present their research articles as well.

Call for papers

The National Conference on Emerging Trends in Discrete and Abstract Mathematics (NCETDAM-2022) invites full original research contributions not submitted to any other journal conferences. The format for abstract must be typed in **MS Word, Times New Roman, Font size 12 with 1.5 line spacing**.

Submission Guidelines

- All papers should be original, unpublished and not submitted to any other journal or conference in pdf format as per the IEEE format at the web link

<https://www.ieee.org/conferences/publishing/>

https://www.ieee.org/conferences/publishing/assets/491/IEEE_Template_4.pdf

- Please mail your original manuscript mentioning your name, contact details and e-mail id to sjcasnetdam@gmail.com
- Notifications of acceptance will through email.
- All accepted papers will be published in the proceedings of Conference with ISBN.
- Selected quality papers will be published in **UGC care list or SCI journal**.
- Registration will be confirmed only after the payment of registration fee.
- Only two authors are allowed for a paper.

Important Dates

Last Date for
Submission Abstract : 22nd Sep 2022
Registration : 25th Sep 2022
Submission of full paper : 27th Sep 2022

REGISTRATION FEES

- 300 INR for students
- 400 INR for Research Scholars
- 750 INR for presentations

REGISTRATION LINK

<https://forms.gle/u3Hoyu3NV8IE1gkP8>

Bank Details

A/c Name : St. John's College of Arts and Science
A/c No: 065001000015001
Bank : Indian Overseas Bank
Branch : Friday Market
IFSC Code : IOB00000650

Programme Schedule

9.00 AM - 10.00 AM : Registration
10.00 AM - 10.30 AM : Inaugural Function
10.30 AM - 10.45 AM : Tea Break
10.45 AM - 12.00 PM : Technical Session I
12.00 PM - 1.00 PM : Lunch Break
1.00 PM - 2.30 PM : Technical Session II
2.30 PM - 3.15 PM : Paper Presentation

(Accommodation Available)