

Since 1915

Women's
Christian
College

Lighted to Lighten



ACADEMIC ACTIVITIES

2023-2024

PG DEPARTMENT OF MATHEMATICS

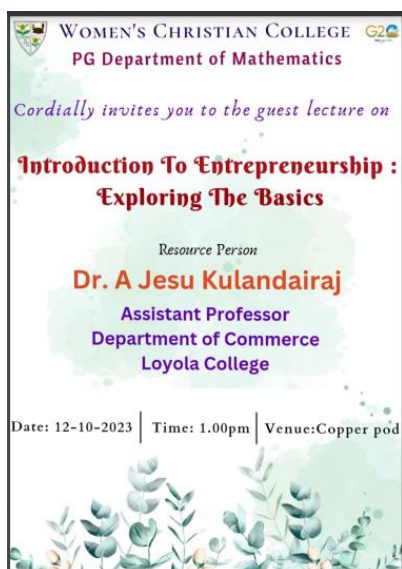


PG DEPARTMENT OF MATHEMATICS

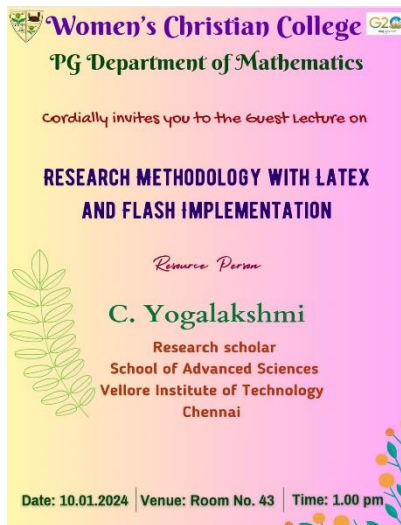
ACTIVITIES – 2023 – 2024

(Conferences, Seminars, Webinars, Workshops, Guest Lectures, etc.)

1. A **Guest Lecture** on the topic **“Introduction to Entrepreneurship: Exploring The Basics”** was organized by the Department to provide students with a foundational understanding of entrepreneurship, its significance, and its role in driving innovation and economic growth and to familiarize students with the basics of intellectual property rights (IPR) and their relevance to entrepreneurship and innovation on 12/10/2023. **Dr. A. Jesu Kulandairaj**, Assistant Professor, Department of Commerce, Loyola College, Chennai was the resource person.



2. A **Guest Lecture** on the topic **“Research Methodology with LaTeX and Flash Implementations”** was organized by the Department to inspire students to embrace innovative approaches to academic communication and education by integrating research methodology principles with LaTeX document formatting and Flash implementations on 10/01/2024. **C. Yogalakshmi**, Research Scholar, School of Advanced Sciences, VIT, Chennai, was the resource person.



3. A “**National Conference on Mathematics and Computer Applications – (NCMCA 2024)**” was organized by the Departments of Mathematics of Shift I and Shift II on 23rd and 24th January 2024 to provide a platform for researchers, academicians, and professionals from the fields of Mathematics and Computer Applications. Students and staff gained knowledge in the emerging research areas. Students were motivated to pursue higher studies in the pure as well as applied areas of Mathematics. **Dr. H. S. Ramane**, Professor & Chairman, Department of Mathematics, Karnataka University, Dharwad, India. **Dr. J. Baskar Babujee** Professor, Department of Mathematics, Madras Institute of Technology, Anna University, Chennai. **Dr. Arokia Paul Rajan**, Associate Professor, Department of Computer Science, CHRIST (Deemed to be University), Bengaluru, Karnataka, India. **Dr. K. Sankar**, Associate Professor, Department of Mathematics, College of Engineering, Anna University, Chennai. **Dr. K. Kaliraj**, Department of Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Chennai were the resource persons. **The Book of Abstracts** was released by **Dr. H. S. Ramane**, Professor & Chairman, Department of Mathematics, Karnataka University, Dharwad, India.



The Book of Abstracts released by **Dr. H. S. Ramane**



Research Lecture by **Dr. H. S. Ramane**



Research Lecture by **Dr. J. Baskar Babujee**



Research Lecture by **Dr. Arokial Paul Rajan**



Research Lecture by **Dr. K. Kaliraj**



Research Lecture by Dr. K. Sankar



Paper Presentation Sessions

Women's Christian College
Department of Mathematics
Cordially invite you to the
**National Conference On
Mathematics and Computer Applications
NCMCA 2024**

23rd & 24th January 2024, Main Auditorium, WCC

Sponsored By
Tamil Nadu Science and Technology Centre (TNSTC)
WCC Alumnae Association

Resource Persons

<p>Dr. H. S. Ramane Professor & Chairman Department of Mathematics, Karnataka University, Dharwad, India</p> <p>Dr. J. Baskar Babujee Professor Department of Mathematics, Madras Institute of Technology, Anna University, Chennai.</p> <p style="text-align: center;">Dr. K. Sankar Associate Professor Department of Mathematics, College of Engineering Anna University, Chennai.</p>	<p>Dr. Arokia Paul Rajan Associate Professor Department of Computer Science, CHRIST (Deemed to be University), Bengaluru Karnataka, India</p> <p>Dr. K. Kaliraj Assistant Professor Department of Ramanujan Institute for Advanced Study in Mathematics, University of Madras</p>
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Inaugural Ceremony

at 9.30 am

Invocation

Welcome Address : **Dr. Lilian I Jasper**
Principal

Conference Dynamics : **Dr. J. Jeba Jesintha**
Convenor

**Felicitations
& Release of Book
of Abstracts** : **Dr. H. S. Ramane**
Professor & Chairman
Department of Mathematics,
Karnataka University,
Dharwad, India.

Vote of Thanks : **Ms. P. Lizzie Angelina**
Convenor

**NATIONAL CONFERENCE ON MATHEMATICS
AND COMPUTER APPLICATIONS**
23rd & 24th January 2024

REGISTRATION FORM

CATEGORY

Faculty ()
Research scholar ()
Student ()

Name :
Designation :
Institution :
Address for correspondence:
Email :
Phone :
Presenting Paper : Yes / No
If yes Title of the Paper :
Details of payment :
Amount : Rs.
(Use photocopy of this form for registration)

Date: Signature:

Payment Details
Payment link to pay registration fee:
https://wcconline.wcc.edu.in/WCC_IOR_PG_MVC/Wccp-nyWEpayment

Note: Kindly select one of the following options to proceed further

- NCMCA 2024 Faculty : Rs. 1500/-
- NCMCA 2024 Research Scholars : Rs. 1200/-
- NCMCA 2024 PG Students : Rs. 1000/-

Registration Link:
<https://forms.gle/4CYTnuv45G2ekGN7>

NCMCA 2024

FOR FURTHER DETAILS CONTACT:
Dr. J. Jeba Jesintha
9840746512
Ms. P. Lizzie Angelina
9789993286
e-mail : ncmca2024@gmail.com

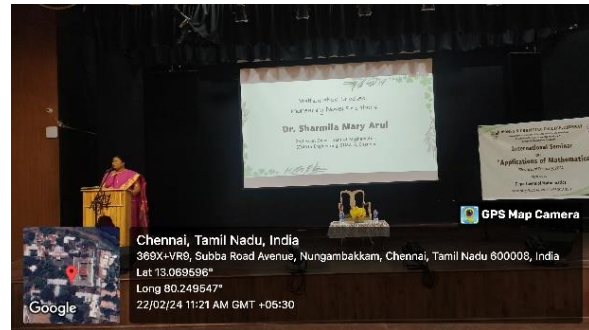
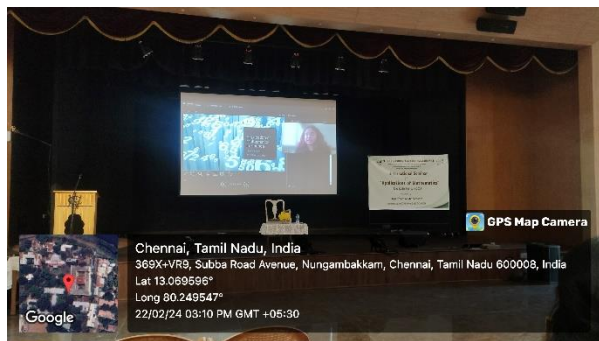
**NATIONAL CONFERENCE
ON MATHEMATICS AND
COMPUTER APPLICATIONS**

23rd & 24th January 2024

ORGANIZED BY
DEPARTMENT OF MATHEMATICS
WOMEN'S CHRISTIAN COLLEGE
CHENNAI-600 006

4. An “**International Seminar on Applications of Mathematics' (ISAM 2024)**” was organized by the Departments of Mathematics of Shift I and Shift II on 22nd and 23rd February 2024 to provide participants with a comprehensive understanding of the applications of Mathematics in diverse fields, including research. The **Inaugural Address was delivered by Dr. A. Uma Maheshwari**, Principal, Government Arts and Science College, Veppanthattai, Perambalur. **Dr. Sharmila Mary Arul** Professor, Department of Mathematics SIMATS Engineering, SIMATS, Chennai. **Dr. A. Hepzibah Christinal**, Professor, Department of Mathematics, Karunya Institute of Technology and Sciences Coimbatore. **Ms. Aditi Ramesh**, Financial Reporting and Analysis Team Lead, United Fidelity Insurance Company, United Arab Emirates. **Dr. K.K. Viswanathan**, Professor, Department of Mathematical Modelling, Faculty of

Mathematics, Samarkand State University, Samarkand, Uzbekistan. **Mr. G. Prasanna**, Science Enthusiast & Technical Consultant, Ex-ISRO Scientist, Trivandrum. **Dr. G.K. Jagatheswari**, Professor of Mathematics, Department of Science and Humanities, People's Education Society University, EC Campus, Bengaluru were the resource persons. The **Valedictory Address** was delivered by **Dr. Beulah Immanuel**, Retired Head, UG Department of Mathematics, Women's Christian College, Chennai.





Chennai, TN, India
 College Road, Thousand Lights West, Chennai,
 600006, TN, India
 Lat 13.068272, Long 80.248270
 02/23/2024 09:38 AM GMT+05:30
 Note: Captured by GPS Map Camera



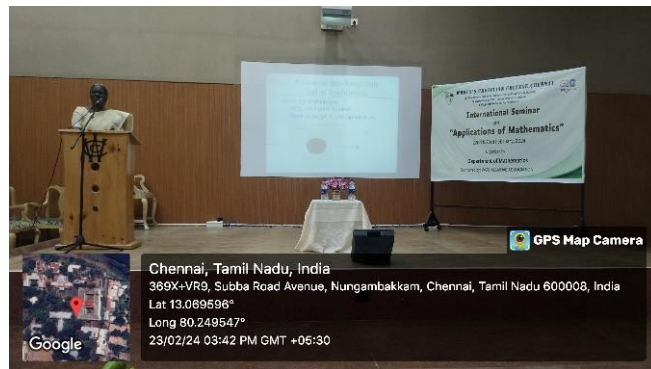
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 600006, TN, India
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Chennai, TN, India
 College Road, Thousand Lights West, Chennai,
 600006, TN, India
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 02/23/2024 09:37 AM GMT+05:30
 Note: Captured by GPS Map Camera



Chennai, TN, India
 College Road, Thousand Lights West, Chennai,
 600006, TN, India
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 02/23/2024 12:49 PM GMT+05:30
 Note: Captured by GPS Map Camera



Chennai, Tamil Nadu, India
 368X+VR9, Subba Road Avenue, Nungambakkam, Chennai, Tamil Nadu 600008, India
 Lat 13.069596°
 Long 80.249547°
 23/02/24 03:42 PM GMT +05:30

PAYMENT DETAILS

Link to pay Registration Fees

https://wconline.wcc.edu.in/WCC_JOB_PG_MY/WccPay/WccPayment

Note: Kindly select one of the following options to proceed further:-

Reg. fee for ISAM'24 - Student / Research Scholar - Rs. 300/-
Reg. fee for ISAM'24 - Faculty / Industry Delegate - Rs. 750/-

REGISTRATION DETAILS

Link For Registration

<https://forms.gle/eBnO26N2itUqRtGdA>

Scan to register



Last Date for registration : 20 February 2024

Registration Fee for Student / Research Scholar includes Conference Kit, Certificate and Tea.

Contact Details

Ms. Shibi Arunkumar - +91 944899150
Ms. I. Sarone Angelah Joybell - +91 9444612434
mat@wcc.edu.in

Patron

Dr. Lilian I Jasper
Principal

Convenors

Ms. P. Lizzie Angelina
Dr. J. Jeba Jesintha

Organizing Secretaries

Ms. Shibi Arunkumar
Ms. I. Sarone Angelah Joybell

Treasurer

Dr. J. Renuka

Organizing Committee

Ms. G. Enitha Dorothy
Dr. V. Sharon Philomena
Dr. M. Arul Jeya Shalini
Dr. A. Sajjya Merlin Mahizi



Women's Christian College, Chennai

(An Autonomous Institution - Affiliated to the University of Madras
Re-accredited by NAAC in July 2019 with Grade A-
College with Potential for Excellence)

International Seminar on Applications of Mathematics

22nd & 23rd February, 2024

Organized by

Department of Mathematics
Women's Christian College
Chennai 600 006



Sponsored by: WCC Alumnae Association

About the College

Women's Christian College, founded in 1915, is one of the most prestigious colleges in Chennai and is renowned for its distinction in academics, co-curricular and extra-curricular activities. The College was accredited by NAAC with an "A+" Grade in 2019 and was awarded the prestigious status of College with Potential for Excellence by the University Grants Commission (UGC) in 2016. The college offers a wide range of Undergraduate, Postgraduate and Research programs to women from varied backgrounds. The college is guided by its mission which is to provide "a complete, meaningful and relevant education to women so that they are intellectually well-trained, morally upright, socially aware and spiritually inspired." The college takes multiple efforts to create infinite opportunities for the students to improve in their professional development.

About the Department

The UG Department of Mathematics was established in the year 1925, functioning to offer innovative quality education in emerging fields with flexibility in curriculum, teaching and learning process. The Mathematics Association serves as a forum for students to develop their quest for knowledge beyond the curriculum. An Appreciation Course in Mathematics was conducted at the Institute of Mathematical Sciences in 2019 with WCC as the Nodal Institution. The department has started the PG Department of Mathematics in the year 2009. The Department along with PG department has been regularly organizing National and International Conferences from 2009 to update the knowledge of students and staff in the field of Mathematics and Computer Applications.

A certificate course in Quantitative Aptitude is offered to the students of all majors which helps them to do well in their entrance exams for higher studies and placements. Motivated to reach out to society, students take up 'Service Learning' project using innovative methods to teach Mathematical concepts to school children. Students also participate in extension and sports activities at the Collegiate and National level and bring laurels to the College. Over the years, the alumnae of the department have made an impact in the society through their contributions in various fields such as research, teaching and industry.

Scope of the Seminar

Mathematics is vital for most of the human needs related to diverse aspects of everyday life. In the rapidly changing world and in the era of technology, mathematics plays an essential role. The seminar aims to provide the participants with a comprehensive understanding of the applications of mathematics in diverse fields, including research. A team of experts from different fields will share their knowledge and experience in the applications of mathematics, thereby motivating and enhancing the interest of the participants in the pure as well as applied fields of mathematics.

Sub Themes of the Seminar

- Aero Science
- Numerical Methods
- Financial Mathematics
- Cloud Computing
- Differential Equations
- Mathematical Modelling
- Graph theory
- Fuzzy Mathematics

RESOURCE PERSONS



Dr. K.K. Viswanathan, M.Sc., Ph.D.
Professor
Department of Mathematical Modelling
Faculty of Mathematics
Samarkand State University
Samarkand, Uzbekistan



Mr. G. Prasanna, M.E.
Science Enthusiast & Technical Consultant
Ex-ISRO Scientist
Tiruvannamalai



Dr. A. Hepzibah Christinal, M.Sc., M.Phil., Ph.D.
Professor
Department of Mathematics
Karunya Institute of Technology and Sciences
Coimbatore



Dr. Shermila Mary Arul, M.Sc., B.Ed., M.Phil., Ph.D.
Professor
Department of Mathematics
SIMATS Engineering
SIMATS, Chennai



Dr. G.K. Jagatheswari, M.Sc., B.Ed., M.Phil., Ph.D.
Professor of Mathematics
Department of Science and Humanities
People's Education Society University
EC Campus, Bangalore



Ms. Aditi Ramesh, B.Sc. (Maths), M.Sc. (Finance)
Financial Reporting and Analysis Team Lead
United Fidelity Insurance Company
United Arab Emirates

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DEPARTMENT OF MATHEMATICS
Cordially invite you to the
International Seminar
on
APPLICATIONS OF MATHEMATICS
22nd & 23rd February, 2024

RESOURCE PERSONS

Dr. K.K. Viswanathan, M.Sc., Ph.D. Professor Department of Mathematical Modelling Faculty of Mathematics Samarkand State University Samarkand, Uzbekistan	Mr. G. Prasanna, M.E. Science Enthusiast & Technical Consultant Ex-ISRO Scientist Tiruvannamalai
Dr. A. Hepzibah Christinal, M.Sc., M.Phil., Ph.D. Professor Department of Mathematics Karunya Institute of Technology and Sciences Coimbatore	Dr. Shermila Mary Arul, M.Sc., B.Ed., M.Phil., Ph.D. Professor Department of Mathematics SIMATS Engineering SIMATS, Chennai
Dr. G.K. Jagatheswari, M.Sc., B.Ed., M.Phil., Ph.D. Professor of Mathematics Department of Science and Humanities People's Education Society University EC Campus, Bangalore	Ms. Aditi Ramesh, B.Sc. (Maths), M.Sc. (Finance) Financial Reporting and Analysis Team Lead United Fidelity Insurance Company United Arab Emirates

INAUGURAL PROGRAM
TIME: 9:30 AM
VENUE- BERTHA CORFIELD HALL

INVOCATION & THAMIZH THAI VAZHTHU

WELCOME ADDRESS: Dr. Lilian I Jasper
Principal

SEMINAR DYNAMICS: Ms. Shibi Arunkumar
Associate Professor
Department of Mathematics

INAUGURAL ADDRESS: Dr. A. Uma Maheswari, M.Sc., M.Phil., Ph.D.
Principal
Government Arts and Science College
Veppanthattal, Perambalur district

VOTE OF THANKS: Dr. J. Jeba Jesintha
Head, PG Department of Mathematics

ALMA MATER & NATIONAL ANTHEM

VALEDICTORY PROGRAM
TIME: 2:45 PM
VENUE- BAMFORD HALL

INVOCATION

WELCOME ADDRESS: Ms. G. Enitha Dorothy
Assistant Professor
Department of Mathematics

VALEDICTORY ADDRESS: Dr. Beulah Immanuel, Ph.D.
Retired Head
UG Department of Mathematics
Women's Christian College, Chennai

PARTICIPANTS FEEDBACK

VOTE OF THANKS: Dr. J. Renuka
Assistant Professor
Department of Mathematics

ALMA MATER