

## Organizing Committee:

**Mar. Andrews Thazhath**  
Patron

**Mar. Tony Neelankavil**  
Manager

**Dr. Fr. Martin K. A.**  
Principal

**Dr. Viji M.**  
HOD, Department of Mathematics & Convenor

**Ms. Jincy Pauly**  
Student Co-ordinator

## Advisory Board:

**Padma Shri Dr. R. Balasubramaniam**  
Former Director, IMSc, Chennai

**Dr. Bimal Kumar Roy**  
Former director of the Indian Statistical Institute

**Dr. Bhupendra Singh**  
Scientist F, CAIR, DRDO, Bangalore

**Dr. Lexy Alexander**  
Scientist E, CAIR D RDO, Bangalore

**Dr. Sujesh A. S.**  
Assistant Professor, Sri. C. Achutha Menon Govt. College, Thrissur



**ST. THOMAS COLLEGE**  
(AUTONOMOUS), THRISSUR  
NAAC (4th cycle): A++ Grade

**AWARENESS ON TRENDS IN TECHNOLOGY**

# **NATIONAL INSTRUCTIONAL WORKSHOP ON CRYPTOLOGY (NIWC-2024) (22 - 24 MAY 2024)**

Organized by

PG and Research Department of  
Mathematics

In association with



**Venue:**

**Kaviprathibha Hall  
St. Thomas College**

## Executive Committee:

### Faculty Members

Dr. Saju M. I.  
Dr. Sr. Alphonsa Mathew  
Mr. Antony John E. F.  
Dr. Sabu A. S.  
Dr. Sr. Julie Andrews  
Mr. Renjith Varghese  
Mr. Pratheesh George  
Mr. Ashbin Mathew  
Mr. Mathew Thomas

### Research Scholars

Ms. Rose Paul  
Ms. Karthika S.  
Mr. Aboobacker P.  
Mr. Abhijith P.  
Ms. Athira Asok  
Mr. Naveen V. V.  
Mr. Harish V. N.

**VERITAS VOS LIBERABIT**

## CONTACT US



+91-9495860985 (Dr. Viji M.)  
+91-8590596562 (Ms. Jincy Pauly)



<https://sites.google.com/view/stc-mathematics/home>



stcmathsevents@gmail.com  
maths@stthomas.ac.in



Locate Us

## ABOUT THE COLLEGE

St. Thomas College (Autonomous), Thrissur, is the oldest Catholic College in Kerala and is the first College to have been established by diocesan clergy in India and is older than all the Universities in Kerala. It was founded as an educational institution in 1889. The college has had a very strong scholastic tradition that spans over a century. Apart from the contributions to intellectual and cultural fields, the College community has responded positively to the problems thrown up by the processes of nation-building. St. Thomas College is accredited with A++ (3.70) grade by NAAC. The UGC granted Autonomous Status to the College from 13th June, 2014 and College with Potential for Excellence status with effect from 01st April, 2016.

## ABOUT THE DEPARTMENT

The department of Mathematics was established in 1926 and now provides PhD as well as one PG and two UG programmes in Mathematics. One of the primary areas of research is cryptography. The department strives to develop highly competent and motivated mathematicians while maintaining a high degree of academic achievement.

## ABOUT CRSI

Cryptology Research Society of India (CRSI), formed in 2001, is a scientific assembly of academicians, researchers, specialists, students, and institutions interested in promoting the science and technology of Cryptology, Data Security, and allied disciplines in India. CRSI is promoting to conduct of three reputed events annually in India known as INDOCRYPT (an annual international conference), NWC (National Workshop on Cryptology), and NIWC (National Instructional Workshop on Cryptology)

## WORKSHOP OVERVIEW

The field of cryptology is expanding quickly, and it is becoming more and more popular among information scientists, notably in activities relating to networks, banking, mail, and information security. This workshop seeks to engage students from all around the nation and give them a forum to learn about career options in cryptology and associated research. This workshop's goal is to systematically introduce mathematics and engineering students and faculty to the fundamental concepts of cryptography, network security, and other information security-related concerns and applications.

## TOPICS TO BE COVERED

- Basics of Coding Theory
- Basics of Cryptography
- Code-based Public-key encryption schemes
- Code-based digital signature schemes
- NIST submissions for Code-based KEM
- Application of Post Quantum Cryptography

## REGISTRATION DETAILS

Students / Research Scholars	:	Rs. 1000/-
Faculty / Others	:	Rs. 2000/-

NOTE: For CRSI life members, there will be a fee waiver of @50%.

[REGISTER  
HERE](#)

OR



### Account Details

Viji M.  
Account No. 20243792862  
IFSC : SBIN0000940  
SBI Thrissur Main

**Last Date for Registration**  
**30th April 2024**

## ACCOMMODATION

A limited number of accommodations for the participants will be arranged on payment basis in the College Guest House on prior request.

## SPEAKERS

**Padma Shri Dr. R. Balasubramaniam**

Former Director, ISc, Chennai

**Dr. Bhupendra Singh**

Scientist F, CAIR, DRDO, Bangalore

**Dr. Lexy Alexander**

Scientist E, CAIR, DRDO, Bangalore

**Dr. Tony Thomas**

Associate Dean, Digital University Kerala

**Mr. Pradeep Rai**

IIT(BHU), Varanasi

**Dr. Saju M. I.**

St. Thomas College (Autonomous), Thrissur

**Ms. Jincy Pauly**

St. Thomas College (Autonomous), Thrissur

**We cordially invite you to join with us**

**Dr. Fr. Martin KA**

Principal

**Dr. Viji M**

HoD & Convenor

**Ms. Jincy Pauly**

Student Co-ordinator