DEPARTMENT OF MATHEMATICS

International Seminar on Trends in Mathematics

30.10.2021 – 01.11.2021

❖ **INVITATION**

❖ **SCREENSHOTS**

Fourth Dimension ?

Convolution ≡ A new product

▶ **Requirements:**

▶ Let f and g be 2 continuous (or piecewise continuous) functions defined on R

▶ **At least** one of f and g vanishes as $x \to \infty$

▶ **Definition:**

▶ $(f * g)(x) = \int_{-\infty}^{\infty} f(t)g(x-t)\,dt$

❖ **CERTIFICATE**

St. Mary's College (Autonomous)
(Re-accredited with 'A+' Grade by NAAC)
Thoothukudi-628 001, Tamil Nadu, INDIA

Department of Mathematics
and
St. Mary's Mathematics Research Forum

CERTIFICATE OF PARTICIPATION

This is to certify that Ms. S. Lourdu Elqueen, Research Scholar of Mathematics, St.Mary's College (Autonomous), Thoothukudi. has actively participated in the **International Seminar on "Trends in Mathematics"** organised by the **Department of Mathematics and St.Mary's Mathematics Research Forum** from 30.10.2021 to 01.11.2021.

Dr.V.L.Stella Arputha Mary
CONVENOR & HEAD OF THE DEPARTMENT

Dr .Sr. A. S. J. Lucia Rose
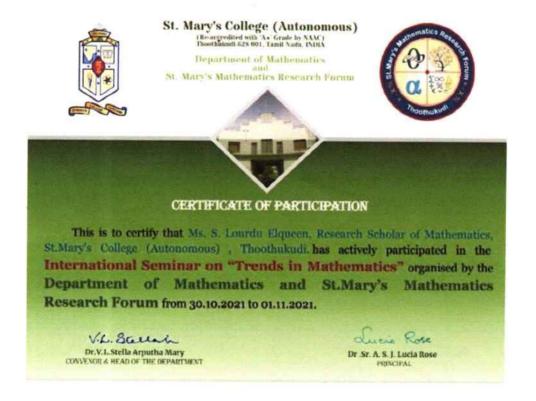PRINCIPAL

❖ **REPORT**

Department of Mathematics and St. Mary's Mathematics Research Forum organised a two day International Seminar on Trends in Mathematics on 30th October and 1st November 2021. There were five sessions in the seminar. Dr.T.Baiju, Associate Professor-senior scale, Department of Mathematics, Manipal Institute of Technology,

Manipal, Karnataka, India delivered lecture on the topic "Topological aspects of fuzzy set and soft set" in session 1.Mr.AndrewArokiaraj, PGT, Department of Mathematics, Shraddha Children's Academy, Chennai, Tamil Nadu, India delivered lecture on Dimensions in session 2. Rev.Fr. ChiranjilalKujur, Assistant Professor, Department of Mathematics,St. Joseph's College, Darjeeling West Bengal, India handled session 3 and he delivered talk on Application of Mathematics in Forensic science.

Dr. Jill K.Mathew, Assistant Professor, Department of Mathematics, Mar Ivanios College (Autonomous), Thiruvanathapuram, Kerala, India presented lecture on Sequential Approximation of Piecewise Continuous functions in session 4. Final session was handled by Dr.Debajyoti Mondal, Assistant Professor, Department of Computer Science, University of Saskatchewan, Saskatoon, Canada. He delivered lecture on Coloring Graphs and Breaking Free of Bichromatic Cycles.This International Seminar brought together the leading academic experts, researchers and research scholars to exchange and share their experiences and research results on all aspects of Mathematical Concepts. It also provided a premier interdisciplinary platform for researchers. The participants had a good exposure in various fields of Mathematics and equipped well to meet the challenges of the field.

Head of the Department   IQAC Coordinator   Principal

St. Mary's College (Autonomous)
Thoothukudi-628 001.

Dr. V.L. Stella Arputha Mary   IQAC Co-ordinator
M.Sc.,M.Phil., B.Ed., Ph.D., St. Mary's College (Autonomous)
Head & Asst. Professor of Mathematics   Thoothukudi
St. Mary's College (Autonomous)
Thoothukudi-628 001.