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Convener:

Dr.Thangaraj Beaula, Vice Principal & Head,
PG & Research Department of Mathematics,
TBMLC

Organizing Secretary :

Dr.R.Irene Hepzibah,
Assistant Professor, TBMLC,
Phone :9443984271

Address for Communication

PG & Research Department of Mathematics
T.B.M.L. College, Porayar - 609 307
Phone: 8825544374
Email: nsctam2024@gmail.com

PROGRAMME SCHEDULE

09.00 – 09.45 am - Registration
09.45 – 10.15 am - Inauguration
10.15 – 11.15 pm - Session I
11.15 – 11.30 pm - Tea Break
11.30 - 01.00 pm - Session II
01.00 - 02.00 pm - Lunch Break
02.00 – 03.30 pm - Session III
03.30 – 03.45 pm - Tea Break
03.45 - 04.30 PM – Valedictory

RESOURCE PERSONS



Dr.J.Joseline Manora,
Associate Professor(Rtd),
PG & Research Department of
Mathematics,
TBMLC



Dr.R.Sophia Porchelvi,
Associate Professor &
Controller of Examinations,
A.D.M. College for Women,
Nagapattinam.



Dr.J.Persis Jessintha,
Assisant Professor,
Department of Computer
Science,
Pondicherry University,
Karaikal Campus.

TOPICS

Session I- Intersection Graphs in Domination Theory
Session II– Applications of Mathematics in Artificial Intelligence and Machine Learning
Session III- Role of Computational Mathematics in Real life Applications



TBML COLLEGE
Porayar - 609307

**NATIONAL SEMINAR
ON**

**COMPUTATIONAL
TECHNIQUES ON
APPLICABLE MATHEMATICS**

Organized by

**PG & Research Department of
Mathematics,
T.B.M.L College,
Porayar – 609 307**

on
12.04.2024

**Venue: Seminar Hall
T.B.M.L. College, Porayar**

About the College:

Realising the need for the establishment of a centre for higher education the Tamil Evangelical Lutheran Church (T.E.L.C.) chose Porayar, a rural hamlet in the erstwhile Thanjavur District for starting its First Higher Educational Institution. The vision was brought into reality with the rise of Tranquebar Bishop Manikam Lutheran College which was named after Late Rt. Rev. Dr. R. B. Manikam, the first Indian Bishop of the church. It became an important landmark in the annals of the Tamil Evangelical Lutheran Church on 19th June 1972. The college now offers Fourteen Undergraduate, and Twelve Postgraduate courses, and Eight Research Programmes. Over 1800 students are currently pursuing their degree in our college

About the Department:

The Department of Mathematics in T.B.M.L College, Porayar, traces its genesis to 1972 when the college was inaugurated with Pre-University classes. This supreme beautiful sculpture, the Queen of all Sciences, grew to shape in 1976 with Undergraduate Studies in B.Sc. Mathematics. It took nine years to become fully matured in 1985 when the Department bloomed as a Postgraduate teaching hub with achievements of laurels in the form of University Rank holders, and other ranks. With steady polishing and beautification by the impeccable efforts of its Staff, the Department started yielding research fruition when Part-Time and Full-Time Research facilities were

established in 2005 with the starting of Master of Philosophy and Doctor of Philosophy portals for satisfying research-oriented and thirsty minds who desired to delve deep in the ocean of Mathematics. Today, during the Golden Jubilee Year of this prestigious Institution, the Department of Mathematics boasts of having produced 55 Ph.D. awardees and around 350 M.Phil. masters besides thousands of UG and PG Degree holders who replicate knowledge in India and abroad blowing the successful trumpet of the achievements of the Department. Our Pride, Our Alumni stalwarts, stand as living monuments preaching the Gospel of Mathematics at all levels -Schools, Colleges, Universities and in multifarious walks of life around the world.

About the Seminar:

Computational techniques are fast, easier, reliable and efficient way or methods for solving mathematical and statistical problems via the aid of computers. Hence, the processes of resolving problems in computational technique are most time step-wise. Computational Applied Mathematics is an interdisciplinary field that brings together the power of Mathematics, Computer Science, and Numerical Methods to address real-world problems and analyze complex systems. It revolves around the development, implementation, and application of mathematical models and algorithms to tackle a diverse range of scientific, engineering, and computational challenges. Overall, Computational Applied Mathematics serves as a bridge between abstract mathematical concepts

and practical computational solutions across a wide spectrum of disciplines.

Objective:

To enhance the awareness of Computational techniques

To be able to design and apply algorithms to solve problems numerically, algebraically, and graphically.

To aid in solving mathematical problems, including Graph theory and constrained and unconstrained optimization.

Target Audience:

Post Graduate Students, Research Scholars and Faculty Members of the Mathematics Department.

Registration fee:

Students (UG/PG) – Rs.150

Research Scholars /Faculty – Rs.200

Professionals/ Students / Research Scholars kindly confirm your participation by registering via the following link before 11th April 2024.

Registration Link :

<https://forms.gle/N3sz1WDtGCKQuN2d8>

Registration fee can be paid online/ spot which includes Workshop Kit, Refreshment, Lunch and Certificate. Please confirm your participation at the earliest.

Account Details:

Account Holder Name: Dr.R.Irene Hepzibah,

Account Number: 892179434

IFSC Code: IDIB000T053

Bank Name: Indian Bank

Bank Branch: Tharangambadi Branch