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Registration details

For Online ₹ 100

For Offline ₹ 200

Last Date : 30th March 2026   (05:00 PM)

How To Register

Step 01 : Scan for Payment

PRINCIPA L

2087964180235484@cnrb

Step 02 : Click here to register

https://forms.gle/Qbume8Hed4GiKGQo9

Date : 01 April 2026

Time : 10:00 AM to 1:00 PM

**Venue : Conference Hall , 2nd floor (PG Block)
St. Philomena's College , Mysuru**

**St. Philomena's College
(Autonomous)
Bannimantapa , Mysuru - 570015**

An IQAC initiative

One Day National Level Seminar On

INTRODUCTION TO FRACTIONAL CALCULUS

(Hybrid Mode)

ST.PHILOMENA'S COLLEGE
P.G. BLOCK

**Organised by
Department Of Mathematics**

About The Department

The Department of Mathematics at St. Philomena's College, Mysore, one of the earliest science colleges in the erstwhile Mysore State, was established in 1946 with the vision of providing quality mathematical education to all students.

The B.Sc. programme in Mathematics was introduced to cater to the growing educational needs of students, particularly those from economically and academically disadvantaged backgrounds. The department began its journey under the headship of Mr. E. N. K. Viswanathan, whose leadership laid a strong academic foundation.

In 1948, Mr. L. N. Chakravarthi joined the department, contributing significantly to its early development and growth. Over the years, the department has progressed steadily through the dedicated efforts of its faculty members, who have played a vital role in shaping its present academic stature.

The PG Department of Mathematics was established in 2016, as the institution focused on the needs of the thrust in fostering a friendly and stimulating learning environment which will motivate the students to reach high standards, enable them to acquire real insight into Mathematics and become self-confident, committed and adaptable graduates. With this in mind, our department aims to provide a firm foundation in every aspect of Mathematics and to develop analytical, experimental, computational, logical and reasoning skills of students.

About The Seminar

This seminar introduces the fundamental concepts of Fractional Calculus, a generalization of classical calculus that extends the notions of differentiation and integration to non-integer (fractional) orders. The session begins with a brief historical note, tracing the early ideas raised by Gottfried Wilhelm Leibniz and later developments by mathematicians such as Joseph Liouville and Bernhard Riemann.

The seminar will explain the motivation behind fractional derivatives and integrals, introduce basic definitions such as the Riemann–Liouville and Caputo operators, and discuss the role of the Gamma function in defining derivatives of arbitrary order. Emphasis will be placed on understanding the nonlocal and memory properties that make fractional calculus useful for modeling real-world phenomena.

Speaker :

Dr. Ramajayam Sahadevan

**Former Professor RIASM ,
University of Madras and
Emeritus Scientist (CSIR)**

Prof. R. Sahadevan is a former CSIR Emeritus Scientist and UGC Emeritus Fellow, and also served as the Director and Head of RIASM, University of Madras. He obtained his Ph.D. in 1987 from the University of Madras and is a renowned researcher and academician. In recognition of his outstanding research contributions, he received the Saha Award in Theoretical Sciences (2007) from the UGC. He was also honored with the Tamil Nadu Scientist Award (2003) by the Tamil Nadu State Council for Science and Technology.

Program Schedule :

10:00 AM to 10:30AM - Inauguration

10:30 AM to 11:30AM - Technical Session 01

11:30 AM to 11:45 AM - Tea Break

11:45 AM to 12:45 PM - Technical Session 02

01:00 PM to 02:00 PM - Lunch