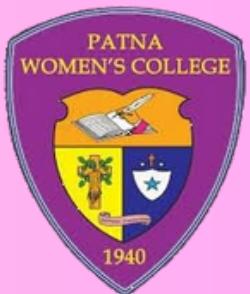




# DEPARTMENT OF MATHEMATICS



**ST. PHILOMENA'S COLLEGE (AUTONOMOUS)**  
**BANNIMANTAPA, MYSURU-570015**

Affiliated to University of Mysore,  
Re accredited by NAAC with B++ Grade

of

**Patna Women's College (AUTONOMOUS)**

3rd Cycle NAAC Accredited at 'A' Grade with CGPA 3.58/4 College with  
Potential for Excellence (CPE) status accorded by UGC

Organizing

## One Day National Webinar

On

### Recent Trends On Mathematics

#### Patrons



**Rev. Fr. Lourdu Prasad.**  
Rector,  
St. Philomena's Educational  
Institutions, Mysuru



**Dr. Ravi J.D. Saldanha**  
Principal  
St. Philomena's College,  
Mysuru



**Dr. Sister M. Rashmi A.C.**  
Principal  
Patna Women's College  
(Autonomous)

#### Organising Committee

**Dr. Ravi Kumar**  
**Shruti Menzes**  
**Dr. Bharatha K**

## About the Speakers and the Sessions:

### Session I : 01:30 PM – 2:55 PM



Session 1 will be handled by Dr Bharatha K. He awarded PhD from University of Mysore in 2023. Currently he is the Head of PG Department of Mathematics, St Philomena's College.

In his session he will introduce notions of nonlinear differential equations and will be focusing on the applications of Differential Equations in Plasma Physics, Optical Communications and allied aspects.

### Session II : 03:00 PM – 4:30 PM



Session 2 will be handled by

Dr. Ravi Kumar is an Assistant Professor in the Department of Mathematics at Patna Women's College, Patna University (Autonomous). He holds an M.Sc. and Ph.D., and has been teaching mathematics at the college since 2018, formally joining as Assistant Professor in 2021. His academic interests include areas such as Fluid Dynamics, Operator Theory, Fractional Calculus, Linear Algebra, Mathematical Modeling, and Graph Theory. Dr. Kumar has supervised advanced research work and undertaken projects in mathematical modeling, contributing to both teaching and research activities in the department

**Date: November 29, 2024**

**Platform: Zoom**

## About the Departments

With the objective of opening avenues of learning in Mathematics to students from all walks of life, irrespective of caste, class, religion, or ethnic background, St. Philomena's College—the first science college in the erstwhile Mysore State established the Department of Mathematics in 1946. To address the ever-growing needs of stakeholders from socially, economically, and academically disadvantaged backgrounds, the B.Sc. programme under the Science stream was introduced with a modest intake of students under the able leadership of Mr. E. N. K. Viswanathan. In 1948, further strengthening the steady growth of the department, Mr. L. N. Chakravarthi joined the Department of Mathematics. Since then, the department has witnessed a consistent upward trajectory, driven by the indefatigable efforts of successive faculty members, to whom we owe the department's present stature.

PG Department of Mathematics of St Philomena's college established in 2016 with the aim of creating mathematical resilience and to meet societal demand. The department offers M.Sc. in Mathematics with Pure mathematics. Also, it has research collaborations in Number theory, Graph Theory and Differential Equations and the department strives for skilling and igniting young minds in Mathematics and its allied disciplines.

Department of Mathematics of Patna Women's College was started in 1941 & B.Sc. Mathematics (Honours) course started in 2011. The Department of Mathematics at

Patna Women's College focuses on developing analytical and problem-solving skills through a modern curriculum and research-oriented approach. It integrates advanced tools like MATLAB and SCILAB to enhance computational and technical proficiency among students. The faculty consists of highly qualified and experienced educators committed to fostering academic excellence, providing personalized mentorship, and encouraging innovative thinking. Regular workshops, seminars, and hands on sessions with software applications ensure students are well prepared for academic and professional challenges in mathematics. The Department conducts classes for those students who are interested in JAM examination with mathematics as a subject