



**PRESIDENCY  
UNIVERSITY**



**PRESIDENCY SCHOOL OF ENGINEERING  
DEPARTMENT OF MATHEMATICS**

is organizing an

**INTERNATIONAL WORKSHOP ON  
GRAPH ALGORITHMS**

**IWGA-2025  
(Offline)**

**26 – 28 JUNE 2025**

To Register Visit the Workshop link: <https://presidencyuniversity.in/events/iwga2025>

## PRESIDENCY UNIVERSITY

Presidency University strives to provide high-quality education and innovative learning approaches that equip students with the skills and knowledge needed to excel in their chosen careers and contribute to society as responsible and engaged citizens. With its emphasis on interdisciplinary learning and outcome-based education, the University prepares students to think critically, solve problems, and adapt to changing situations in the global arena.

The Presidency Group of Institutions (PGI) comprises eight schools, four colleges, and a university. While the university and colleges offer programs at both the undergraduate and postgraduate levels in engineering, computer science, information science, commerce and economics, arts, management, design, and media, the schools offer National and International Boards of Studies. With nearly fifty years of experience in education, from kindergarten to higher education, PGI has established itself as a leader in providing quality education.

## ABOUT DEPARTMENT

The Department of Mathematics under the School of Engineering has been vigorously engaged in both research and teaching. The department offers the Ph.D. program and other mathematics courses for engineering departments. At present, the department has 34 energetic and dedicated faculty members who are actively involved in research activities in areas like differential equations, real analysis, complex analysis, graph theory, fluid mechanics, differential geometry, operation research, cryptography, coding theory, and topology.

## ABOUT THE WORKSHOP

Graph Theory is a fast growing discipline in Mathematics and Computer Science with

applications in a variety of fields like Computer Science (ML & AI), Electronic Designs (VLSI) and other Engineering areas. The workshop will stimulate joint work among researchers in both India and abroad to attract students as well as postdoctoral fellows. The workshop will cover Graph algorithms on Data Science, AI & ML by using Programming language.

Many young faculties from Mathematics and Computer Science will benefit from this workshop. Many optimization problems can be formulated as a Probabilistic Graph Model and we can solve through graph theory algorithms. Graph Theory models are useful for Big-Data analysis, Image processing etc.

## ACADEMIC PROGRAM COMMITTEE

### Prof. R. Balakrishnan

Bharathidasan University, Tiruchirappalli – India

### Prof. Glenn Hurlbert

Virginia Commonwealth University, Virginia - USA

### Prof. Narayanan

Indian Institute of Technology Madras, Chennai - India

### Prof. K. Somasundaram

Amrita Vishwa Vidyapeetham, Coimbatore – India

## CHIEF PATRON

### Dr. Nissar Ahmed

Honourable Chancellor, Presidency University

## PATRON

### Dr. Vijayan Immanuel, Vice Chancellor

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### Dr. Abdul Sharief, Dean - SOE

### Dr. Shrishail B. Anadinni, Associate Dean – SOE

### Dr. S R Sudheendra, HoD, Mathematics - SOE





## INVITED SPEAKERS

### Prof. Anand Louis

Indian Institute of Science, Bangalore - India

### Prof. Arti Pandey

Indian Institute of Technology Ropar, Punjab – India

### Prof. Elazar Goldenberg

The Academic College of Tel-Aviv-Yaffo, Israel

### Prof. Glenn Hurlbert

Virginia Commonwealth University, Virginia - USA

### Prof. T. Karthick

Indian Statistical Institute, Chennai Centre, Chennai – India

### Prof. Neeldhara Misra

Indian Institute of Technology, Gandhinagar, Gujarat - India

### Prof. Niranjana Balachandran

Indian Institute of Technology, Bombay - India

### Prof. K. Somasundaram

Amrita Vishwa Vidyapeetham, Coimbatore - India

## IMPORTANT DATES

Last Date of Registration	5-June-25
Workshop Dates	June 26-28, 2025

Registration Link: <https://forms.gle/9pzQdudQ12vJgGmh8>

Scan to Register



## REGISTRATION

Registration Fee.	Indian Participant: Rs. 1500
	Foreign participants: 100 USD

Registration and payment have to be done online.

**A payment link will be mailed to all the registered participants after the registration is accepted.**

Registration fee includes food and accommodation.

## CONVENER

### Dr. S Mohan

Assistant Professor

Department of Mathematics

Presidency University – Bengaluru, India

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## CO CONVENER

### Dr. M Elakkiya

Assistant Professor

Department of Mathematics

Presidency University – Bengaluru, India

## WORKSHOP SPONSORS

