



Department of Mathematics

Under TEQIP III

**One Day Workshop on Semigraphs  
Saturday, 11<sup>th</sup> January 2020**

Visit: [www.coep.org.in](http://www.coep.org.in)

e-mail: [jtm.maths@coep.ac.in](mailto:jtm.maths@coep.ac.in)

#### **Aim of the Workshop:**

Prof. E. Sampathkumar, an inspiring teacher, researcher and the Founding President of the Academy of Discrete Mathematics has come out with the first full-fledged book on Semigraphs, a concept he introduced a couple of decades ago. The workshop will begin with a formal publication of this book which will open a plethora of

research problems for researchers in all areas where Graph Theory is used.

**Semigraph is a generalization of graph which is different than a hypergraph and one can expect several new applications to arise from this. The book contains contributions from many eminent Graph Theorists and some of them will be delivering talks during the workshop so as to update the researchers about the latest development in their topic and discuss about the future research that can be done in this area. This will give ample opportunities for both young and not so young researchers to venture in this field.**

This workshop is mainly useful for researchers in Graph Theory and applications. **The workshop is open for all and especially for research students from engineering branches.** Lunch, snacks and tea will be provided and to get the logistics right, you are requested to register for free by **copying the link below in a new browser:**

<https://docs.google.com/forms/d/e/1FAIpQLSeECsM7WRrPQMzIZlgyK1VEijzDY9dYAA96STOukc4zqHaulg/viewform>

Please note that a refundable deposit of Rs. 200 will be collected on the day of the workshop and will be refunded after the valedictory function.

**Dr. A. D. Sahasrabudhe, Chairman AICTE, New Delhi** will grace the inaugural function and participants will get an opportunity to hear an eminent speaker that he is.

#### **List of Speakers:**

1. Dr. E. Sampathkumar
2. Dr. N.S.Bhave
3. Dr. K.Kayathri
4. Dr. P. Hampiholi
5. Dr. B. P. Athawale
6. Dr. S. S. Sonawane
7. Dr. Y. S. Gaidhani
8. Dr. C. M. Deshpande
9. Dr. T.T.Raghunathan
10. Dr. B. N. Waphare

Venue: College of Engineering, Shivaji Nagar, Pune

### **Organizing Committee:**

**Dr. B. B. Ahuja** (Director, COEP)

**Dr. M. S. Sutaone**(Deputy Director, COEP)

**Dr. V. N. Pande** (TEQIP III Coordinator)

### **Faculty of Mathematics Department**

**Dr. K. V. Dalvi** (Head)

**Dr. C. M. Deshpande**(Convener)

**Dr. M. S. Dhande** (Emeritus Professor)

**Mrs. R. S. Kulkarni**

**Dr. S. P. Kavishwar**

**Mrs. A. B. Dhere**

**Mrs. N. V. Shinde**

**Dr. Y. M. Mahatekar**

**Mr. J. T. Majithia**

**Dr. P. M. Shinde**

**Dr. M. R. Jain**

**Mr. D.N. Ghayatadak**

### **About the Institute:**

The College of Engineering, Pune(formerly Government College of Engineering, Pune) is the third oldest technical education institute in India. This institute was established in the year 1854 then named as Poona Engineering Class and Mechanical School. Later this school

was converted into the Poona Engineering College in the year 1864 and main building, heritage building, was constructed in the year 1865. The Poona Engineering College was renamed as, College of Engineering, Poona in the year 1911. It was further renamed as Government College of Engineering, Pune in the year 1912. In the year 2003 the Government of Maharashtra granted an autonomous status as well as retained the brand name as COEP. The COEP has honor of completing 150 years of glorious service to the technical education.

This institute offers undergraduate programs in 10 disciplines, post graduate programs in 24 specializations and Ph.D. programs across all disciplines. All programs are accredited by National Board of Accreditation (NBA), New Delhi. The institute received quantum funding from government of India as well as Alumni Association for the laboratory development. The institute is selected as a lead institute under TEQIP(Technical Education Quality Improvement Program).

### **About Department of Mathematics:**

Department of Mathematics is very young as compared to the Institute. Though young, department has a strong teaching faculty and has all the infrastructure needed to hold such events. Research on various aspects of Graph Theory, Matroid Theory, Lattice Theory, Fractional Calculus, Commutative Algebra, Coding Theory etc with Industrial and Engineering Applications are carried out by the faculty. Our vision is to develop the department as an Advanced Research Center for Discrete Mathematics with Applications to Engineering.