

IX National Conference on Emerging Trends in Graph Theory

10, March 2018

The annual conference in Graph Theory was organized to bring together leading researchers and budding research scholars to share their knowledge and provide a platform to them to present their work. The conference brought in diversity with research scholars and M.Sc students learning from the experiences of eminent Graph Theorists and interacting with them. There were 57 participants in this conference and the speakers for the conference were the following:

1. Dr. E. Sampath Kumar, University of Mysore, Mysuru, Karnataka
2. Dr. Deepak D'Souza, IISc, Bengaluru, Karnataka
3. Dr. K. Kayathri, Thiagarajar College, Madurai, Tamilnadu

The welcome Speech was given by Dr Fr Joseph Varghese, Department of Mathematics, CHRIST (Deemed to be University), Bengaluru. He welcomed all the participants and the speakers for the conference. He briefly spoke on different application areas of Graph theory. He introduced Dr. E. Sampath Kumar to the audience and mentioned that Dr. E. Sampath Kumar was the first person in India who taught Graph Theory as a subject in any of the Indian Universities.

Followed by that, the audience witnessed the first address for the day by Dr. E. Sampath Kumar. He initiated the talk by familiarizing the audience with basic graph theoretical concepts like colouring of a graph and independent sets. He introduced them with the concept of colour matrices. It was a very interesting and an interactive session.

The next talk was delivered by Dr Deepak D'Souza. He gave an idea on how algorithms are structured to solve the problems of Graph theory. He explained the concept of Horn formula and made the concept of Tree width very clear to the audience. He also spoke about the applications of logic in graph theory.

Lastly, Dr. K. Kayathri delivered a talk on Enumeration of Labeled Graphs. She spoke on concepts like beta- labeling or graceful labeling. She explained the concept of other labeling like Harmonious labeling and elegant labeling. She also briefed on the applications of graceful labeling and the graceful triangles.

The conference also included a technical session in which papers were presented by research scholars on different areas of Graph theory.

The end of the conference was marked by a valedictory session and vote of thanks proposed by Dr Sangeetha Shathish, after which certificates were distributed.

Organising Committee

Dr Fr Joseph Varghese

Dr Mayamma Joseph

Dr Sangeetha Shathish

Dr Tabitha Rajashekar

Conference Photos







