8th NATIONAL CONFERENCE ON EMERGING TRENDS IN GRAPH THEORY

March 3-4, 2017

The annual conference in Graph Theory was organized to provide budding researchers with insights into the areas of prominent research in the recent years and provide a platform for them to present their work. The conference brought in diversity with research scholars and Post Graduate students learning from the experiences of eminent Graph Theorists. There were 37 participants in this conference and the speakers for the conference were the following:
1. Dr. Sudershan Reddy L, Professor, Jain University, Bengaluru
2. Dr. V Vilfred, Central University, Kerala
3. Dr. SRS Iyengar, IIT, Ropar
4. Dr. R Sundara Rajan, Hindustan University, Chennai
5. Dr. UC Jaleel, CSIR, New Delhi

The conference began with Welcome address by Dr. Mayamma Joseph, Professor, Department of Mathematics, Christ University, Bengaluru. She spoke about research culture of Christ University, the objectives of the Department of Mathematics in organising annual Conference in Graph Theory and welcomed the speakers and participants for a time intellectual stimulation.

The first talk of the day was delivered by Dr. Sudershan Reddy from Jain University. He presented the history of Roman domination and existing literature on the concept and parameters involved. The next session was taken by Dr. V Vilfred, Central University of Kerala on "Circulant Graphs". He introduced the concept and presented results on Self Complementary, Isomorphism, Cartesian product and Factorization. Followed by this, Dr. SRS Iyengar, IIT Ropar began his talk on "Social Network Analysis" by demonstrating how the real life Networks like Google and Facebook work using concepts of graph theory like degree of a vertex and adjacency. In the Workshop by Dr. SRS Iyengar, IIT Ropar, a game was played and a graph was created using Python. There were live discussions and the network was investigated extensively. The next day began with a talk on Network Embedding by Dr. R Sundara Rajan from Hindustan University, Chennai. He gave valuable insight on how graph theory is connected to Network Embeddings.

The conference also included a technical session in which papers were presented by research scholars on different areas of Graph theory. This was followed by an inspiring introduction to the famous "Four colour theorem" by Dr Fr Joseph Varghese. The simpler and the most recently published proof for the "Four Colour Theorem" was presented by Dr. V. Vilfred. The final talk was delivered by Dr. UC Jaleel who spoke on Open Source Pharma Medicinal Chemistry as an application of Graph Theory.

The end of the conference was marked by a valedictory session in which there was a time of reflection by a few participants, distribution of certificates and vote of thanks proposed by Dr Sangeetha Shathish from Department of Mathematics, Christ University.

Conference Photos