

## NATIONAL CONFERENCE ON DISCRETE MATHEMATICS AND ITS APPLICATIONS

Date: 15th December, 2019

Venue: CHRIST (Deemed to be University)

Time: 9AM to 4PM

A National Conference on Discrete Mathematics and its Applications was organized in CHRIST (Deemed to be University) on the occasion of the 102<sup>nd</sup> Monthly Informal Group Discussion of Discrete Mathematics, Bengaluru on Sunday, 15th December, 2019 from 9AM to 4PM. The speakers for the seminar were Dr. E Sampathkumar, Former Emeritus Professor, University of Mysore, Dr. G Ravindra, Emeritus Professor, CHRIST (Deemed to be University) and Dr. B Sooryanarayana, Professor, Dr.Ambedkar Institute of Technology. Around 50 students including undergraduates, postgraduates and research scholars from various colleges were enlightened by the ongoing research in the topic of discussion.

### Talk 1: Dr. E Sampathkumar- Complement of Graphs

Dr E Sampathkumar inspired the young researchers and the students with his subtle thoughts and ideas on the basics of graph theory. His focus was on the generalizations of complement of graphs, the concept of vertex partitioning and its applications in different areas of graph theory.

### Talk 2: Dr. G Ravindra- Perfect Graphs

In his lecture, Dr. G Ravindra gave an insight into the perfect graphs and their different categories like strongly perfect graphs, f-perfect graphs etc. He also posed some open problems in the concerned area.

### Talk 3: Dr. B Sooryanarayana

Dr. B Sooryanarayana spoke on labellings specifically on radio coloring and distances in graphs. He inspired the researchers to think and work on the unexplored areas of research and gave a lot of insights in his areas of research.

### Research Paper Presentations

The contributory sessions were followed by research paper presentations of around 12 students including post graduates and research scholars from various areas of graph theory.

The conference inspired the participants to acquire more knowledge of the various concepts of graph theory. The contributory sessions and the presentations were welcomed with great enthusiasm by the participants. Dr R Chandrasekhar gave a brief history of the Monthly Informal Group Discussion and Fr. Joseph Varghese delivered the vote of thanks.

