

SPECIAL SYMPOSIUM IN DISCRETE MATHEMATICS

Date: 19th January, 2020

Venue: CHRIST (Deemed to be University)

Time: 9AM to 4PM

A Special Symposium in Discrete Mathematics was organized jointly by CHRIST (Deemed to be University) and Division of Yoga and Physical Sciences S-VYASA (Deemed to be University), Bengaluru at CHRIST (Deemed to be University) on the occasion of the 103rd Monthly Informal Group Discussion Bangalore Chapter of ADMA on Sunday, 19th January, 2020 from 10AM to 4PM. The conference was arranged with a core objective of bringing young researchers together in the field and discussing current research areas from various fields of Discrete Mathematics for encouraging budding researchers. The session was led by Dr. (Fr.) Joseph Varghese, Director, Center for Research who welcomed the guests and participants. The keynote speaker was Dr. Om Prakash, Associate Professor and Head of Department of Mathematics, Indian Institute of Technology, Patna. He is an eminent researcher in the area of algebraic coding theory, algebraic graph theory, and algebraic number theory. Other guests for the conference were Dr. R. Chandrashekar, Dean of Academics, S-VYASA Deemed to be University, Bengaluru and Dr. B. Sooryanarayana, Professor, Ambedkar Institute of Technology. The participants included several under graduate students, post graduate students, research scholars and faculties from different Universities in Bangalore.

Talk : Dr. Om Prakash- Some Aspects of Algebraic Coding Theory

Dr. Om Prakash delivered his lecture on the concepts of coding theory. He initiated his talk with the basic concepts of Algebra for the undergraduate students which lead to the basic concepts of coding theory. He discussed on the current research in coding theory that are related to graph theory and other areas of Discrete Mathematics. He discussed the properties and applications of the same and explained how the graphical representation of codes help in other branches of Science.

Dr. B Sooryanarayana and Dr. Joseph Varghese also shared some new ideas and open problems for the benefit of the research scholars. The conference inspired the participants to acquire more knowledge of the various concepts of graph theory. The contributory sessions were welcomed with great enthusiasm by the participants. Scholars from different universities presented their works. Dr R Chandrasekhar gave a brief history of the Monthly Informal Group Discussion and Dr. Tabitha Rajashekar delivered the vote of thanks.

