



SACRED HEART COLLEGE (AUTONOMOUS)

(Affiliated to Thiruvalluvar University, Vellore) Accredited by NAAC (4th Cycle – under RAF) with CGPA of 3.31/4 at 'A+' Grade

Report on Virtual International Conference on Recent Advancements in Mathematics $09^{th}~\&~10^{th}$ April 2021

Organised by

PG and Research Department of Mathematics Tirupattur – 635601, Tamil Nadu, India

in collaboration with Academia for Advanced Research in Mathematics

A Virtual International Conference on Recent Advancements in Mathematics ICRAM 2021 Organised by PG and Research Department of Mathematics, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu, India in collaboration with Academia for Advanced Research in Mathematics (AARM Society) was held on 9th & 10th April 2021. More than 150 participants actively participated in the conference and presented 148 research papers. The conference started on 09.04.2021 with the welcome address by **Dr. V.** Balaji, Assistant Professor, Department of Mathematics & Convener(ICRAM 2021) followed by the inaugural address by Rev. Dr. D. Maria Antony Raj, SDB, Principal. Dr. A. George Maria Selvam, PG Head, Department of Mathematics & Chair Person (ICRAM 2021) gave the introductory words and also presented the first speaker of the day Dr. P.K. Kishore Kumar, Assistant Professor, University of Technology and Applied Sciences, Al Musannah, Sultanate of Oman. Dr. P.K. Kishore Kumar enlightened all the participants on the title 'A Review on Fuzzy, Intutionistic Fuzzy, vague and Neutrosophic Graphs'. Dr. R.Murali, UG Head, Department of Mathematics introduced the second speaker of the day Dr. S. Dheva Rajan, Assistant Professor, University of Technology and Applied Sciences, Al Musannah, Sultanate of Oman. He enlightened all the participants on the title 'Developing a Mathematical Model for Infectious Disease'. The morning session ended with the vote of thanks by Dr. B. Govindan, Assistant Professor, Department of Mathematics & Organising Secretary (ICRAM 2021). The afternoon session was dedicated to the paper presentation by delegates from various colleges and was parallely conducted by the following session chairpersons from the Department of Mathematics, Dr. G. Britto Antony Xavier, Dr. T. G. Gerly, Dr. B. Chandra Sekar, Dr. B. Govindan, Dr. D. Ajay, Dr. M. Antony Arockiasamy, Dr. S. John Borg, Dr. S. Kalaiarasi and Dr. S. U. Vasanthakumar.

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Mathematics & Chair Person (ICRAM 2021). Rev. Dr. S. John Borg, PG Head, Department of Mathematics (Shift - II) introduced the first speaker of the day Dr. P. Francis, Post - Doctoral Fellow, Department of Computer Science, IIT, Palakkad, Kerala, India. He enlightened all the participants on the title 'On Domatic and Total Domatic Numbers of Product Graphs'. Dr. S. U. Vasanthakumar, UG Head, Department of Mathematics (Shift-II) introduced the second speaker of the day Dr. V. Raja Assistant Professor, Department of Mathematics, PSG College of Technology, Coimbatore – 6410 04, who enlightened all the participants on the tile Structure of Tree-Like Graphs.

Dr. G. Britto Antony Xavier, introduced the Academia for Advanced Research in Mathematics (AARM Society) to the participants. The morning session ended with the vote of thanks by Dr. B. Govindan, Assistant Professor, Department of Mathematics & Organising Secretary (ICRAM 2021). The afternoon session was dedicated to the paper presentation by delegates from various colleges and was parallely conducted by the following session chairpersons from the Department of Mathematics, Dr. G. Britto Antony Xavier, Dr. T. G. Gerly, Dr. B. Chandra Sekar, Dr. B. Govindan, Dr. D. Ajay, Dr. M. Antony Arockiasamy, Dr. S. John Borg, Dr. S. Kalaiarasi and Dr. S. U. Vasanthakumar.









