



JYOTI NIVAS COLLEGE

Autonomous

Bengaluru , Karnataka

REPORT of NATIONAL CONFERENCE

EMERGING TRENDS IN ADVANCED MATHEMATICS

DEPARTMENTS of MATHEMATICS AND STATISTICS

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The departments of Mathematics and Statistics conducted a two day National Conference on the theme 'Emerging Trends in Advanced Mathematics' , on 6th and 7th February 2014. The welcome address given by the Head, Department of Mathematics, Ms. Rani Titus indicated the quality of presentations that were to inspire the audience during the conference. The Principal of Jyoti Nivas College, Dr. Sr. Elizabeth exhorted the students and scholars on the role of mathematics in the development of society as she invited them to take up research with passion and dedication. The Keynote speaker Dr. P.G. Siddheshwar, Professor & Chairman, Department of Mathematics, Bangalore University, enthralled the participants with the talk on 'Social Networking, Emotion Identification, Psychology and Graph Theoretic Structures'.

The Technical Sessions of DAY I had presentations from Dr. M Lellis Thivagar, Professor and Head, School of Mathematics, Madurai Kamraj University, Madurai and Dr. V L Gomathi Nayagam, Associate Professor, Nationa Institute of Technology, Trichy. While the former spoke on 'A New Computing Technique Of Topological Reduction In Medical Events', the latter addressed the scholars and students on 'Fuzzy Translation - Invariant Spaces'. Research papers from 6 Doctoral scholars and 4 M Phil students were presented in the afternoon in two parallel sessions with Dr. M Lellis Thivagar and Dr. V L Gomathi Nayagam as the moderators.

The Technical Sessions of DAY II saw awe inspiring presentations from Dr. Sr. I Arockiarani and Dr. Indra Raja Singh from Nirmala College for women, Coimbatore and VIT, Chennai respectively. Talking on Soft Topology, Sr. I Arockiarani, left no doubt in the minds of the audience that topology in its application is fast emerging concept in the field of research. Dr. Indra Raja Singh, kept the audience spell bound as she explored the 'Application of Graph Theory', from Networks, Direct Edges, Intercom networks, Butterfly Networks and Embedding. The afternoon session was dedicated to the presentation of research papers. A total of 17 papers of very high quality were presented during the conference.

During the Valedictory Function, a short video on the two days of conference was presented and a couple of participants shared their responses on the conference. There was a unanimous note of appreciation



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from all the participants. Having received noteworthy, research papers, a special edition of Jyoti Research Journal was released during the valediction by Dr. Sr. Elizabeth, Principal, Jyoti Nivas College.

The conference was highly stimulating, informative and above all a huge success.

