

National Conference on Graph Theory and its Applications
Organized by
Department of Post Graduate Studies & Research in Mathematics
Tumkur University
5th December 2011

Department of Postgraduate Studies and Research in Mathematics, Tumkur University, Tumkur organized a one day National Conference on **“Graph Theory And Its Applications”** on 5th December 2011 at Dr. P Sadananda Maiya Block, Tumkur University.

The conference was inaugurated by Dr. M. Jayaramu, Director, Departments of Postgraduate Studies, Tumkur University and Dr. V. R. Kulli, Former Professor and Chairman, Department of Mathematics, Gulbarga University, Gulbarga. Dr. R. Vasantha, Professor and Chairperson, Department of Mathematics, Tumkur University and Dr. Patil Mallikarjun B. Organizing secretary of the Conference were present during the inaugural ceremony. On this occasion, the proceedings of the conference was released by the president of the conference.



**Dr. M Jayaramu, Prof. V R Kulli, Prof. R Vasantha and Dr. Patil Mallikarjun
releasing the Proceedings of the Conference**

The key note address was delivered by Dr. V. R. Kulli. He emphasized on the importance of graph theory in Computer Science and Engineering, Network analysis, Chemical structure, VLSI Circuit Equivalence and Communication Engineering. Another speaker of the conference Dr. H. P. Patil, Professor, Department of Mathematics, Pondicherry University, Pondicherry gave a talk on k-trees and their applications to graph valued functions and mentioned that some of them are line, middle and total graphs.



Prof. V R Kulli delivering the Keynote Address

Many experts on graph theory from various universities of Karnataka and other states participated in the Conference. The research scholars presented their research papers and discussed various issues related to the theme of the Conference.

During the conference, three sessions of paper presentations were conducted. Dr. H. P. Patil was the chairman of the first session. In this session, two papers were presented on “Block signed graphs” and “On the total graph of Mycielski Graphs, central graphs and their covering numbers”

The second session was chaired by Dr. D. G. Akka, Professor, Department of Mathematics Sri Krishna Institute of Technology, Bangalore. Two papers were presented on “Super magic strength of some new classes of graphs” and “Global efficient domination number of a graph”.

The third session is chaired by key note speaker of the conference Dr. V. R. Kulli, Here two papers are presented by research scholars on “Traversability of some graph valued functions” and “Reverse super edge-magic strength of some special graphs”.

Later, the participants expressed their view about the conference during the feedback session. The organization of this type of conferences was found to be very essential for young researches, teachers and students.