University 　 of 　 Mysore

A report on

"TWO DAYS SEMINAR ON MODERN PERSPECTIVES OF GRAPH THEORY"
(RUSA- Faculty Improvement Programme)
January 20-21, 2026

Organized by

Department of Studies in Mathematics, University of Mysore,
Manasagangotri, Mysuru - 570 006, India.

UNIVERSITY OF MYSORE

Department of Studies in Mathematics
Manasagangotri, Mysuru

RUSA Faculty Improvement Programme

Two Days Seminar on
"MODERN PERSPECTIVES OF GRAPH THEORY"

📅 January 20-21, 2026

ABOUT THE PROGRAMME

The Seminar on "Modern Perspectives of Graph Theory" is designed to provide a platform for participants to explore contemporary developments and emerging research directions in graph theory. The program will emphasize on modern concepts, and significant results that influence current research in graph theory and its applications. The seminar aims to equip participants with deeper insights, strengthen their theoretical foundations, and enhance their ability to apply graph-theoretic concepts in academic, interdisciplinary, and research-oriented contexts.

The seminar is limited to **45 participants** on a first-come, first-registered basis and is open for any **Permanent faculty/Guest faculty/Research scholars.** There is **no registration fee** for participation and also no accommodation for the participants.

Resource materials, Certificates, Tea and Working Lunch will be provided during the Seminar.

Registration Link: https://forms.gle/DcfTrUKfCgJvf6hD7

VENUE : DoS in Mathematics, Manasagangotri, Mysuru.
TIME : 10:00am – 5:30pm

Chairperson
Prof. Veena Mathad
Department of Studies in Mathematics,
University of Mysore, Manasagangotri,
Mysuru – 570 006, India.

Contact:
+91 9741770483 and +91 8296826878

The RUSA Faculty Improvement Programme namely, Two days seminar on **"Modern Perspectives of Graph Theory"** was organised at Department of Studies in Mathematics, University of Mysore, Manasagangotri, Mysuru.

The lectures delivered during this seminar are as follows:

TUESDAY, 20.01.2026		
09:30 AM - 09:45 AM	**Registration**	
09:45 AM – 10.00 AM	**Inauguration**	
10:00 AM – 11:30 AM	Dr. B. Sooryanarayana Dr. Ambedkar Institute of Technology, Bengaluru.	Topic: On Alliance Partition of a Graph –I
11:30 AM – 11:45 AM	**Tea Break**	
11:45 AM – 1:15 PM	Dr. Veena Mathad University of Mysore, Manasagangotri, Mysuru	Topic: Chromatic Number of Graphs
1:15 PM – 2:00 PM	**Lunch Break**	
2:00 PM – 3:30 PM	Dr. B. Sooryanarayana Dr. Ambedkar Institute of Technology, Bengaluru.	Topic: On Alliance Partition of a Graph-II
03:30 PM – 03:45 PM	**Tea Break**	
03:45 PM – 05:15 PM	Dr. R. Rangarajan University of Mysore, Manasagangotri, Mysuru	Topic: On Dominator Coloring of Graphs

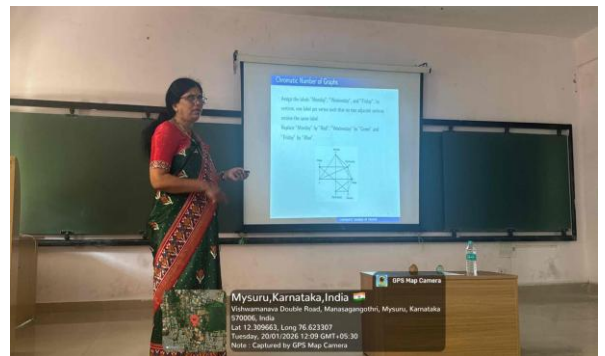| WEDNESDAY, 21.01.2026		
10:00 AM – 11:30 AM	Dr. R. Murali Dr. Ambedkar Institute of Technology, Bengaluru.	Topic: Hamiltonian Laceability in Graphs
11:30 AM – 11:45 AM	**Tea Break**	
11:45 AM – 1:15 PM	Dr. Sudev Naduvath K CHIRST(Deemed to be University) Bengaluru.	Topic: Some New Dimensions in Graph Coloring Problems
1:15 PM – 2:00 PM	**Lunch Break**	
2:00 PM – 3:30 PM	Dr. R. Murali Dr. Ambedkar Institute of Technology, Bengaluru.	Topic: Coloring in Graphs
03:30 PM – 03:45 PM	**Tea Break**	
03:45 PM – 05:15 PM	Dr. Sudev Naduvath K CHIRST(Deemed to be University) Bengaluru.	Topic: Discrete Structures and their Coactions with Algebraic Structures

DAY 1:

INAUGURATION

Session 1

Session 2

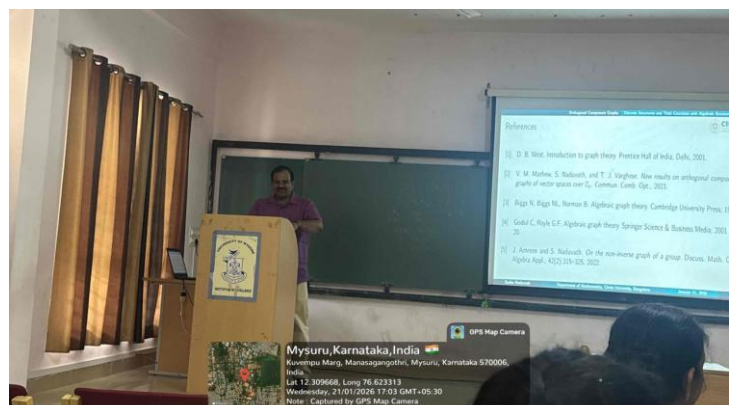

Session 3

Session 4

DAY 2

Session 1

Session 2

Session 3

Session 4

CERTIFICATE DISTRIBUTION