

Plenary and Technical Sessions						
06.02.2022 Day 1	Inauguration (09:00-9.45am)	Invited Talk 1 (10:00-10:45 am) PROF. S. ARUMUGAM Adjunct Professor, Department of Mathematics, Amrita Vishwa Vidyapeetham, Coimbatore, India	Invited Talk 2 (11:00-11:45 am) PROF. AYMAN BADAWI Professor Department of Mathematics and Statistics, American University of Sharjah. UAE	Invited Talk 3 (12:00-12:45 pm) PROF. TAMIZH CHELVAM CSIR Emeritus Scientist Manonmaniam Sundaranar University, Tirunelveli, India	Paper Presentation (02:00-04:00 pm)	Invited Talk 4 (4.15-05:00 pm) PROF. LOWELL W. BEINEKE Schrey Professor Emeritus Purdue University, Fort Wayne, USA & PROF. JAY BAGGA Professor of Computer Science, Ball State University, USA
07.02.2022 Day 2	Invited Talk 1 (9:00-9:45 am) PROF. TARKESHWAR SINGH Professor, Department of Mathematics, BITS Pilani K K Birla Goa Campus, Goa, India	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Invited Talk 3 (11:00-11:45 am) PROF. AMBAT VIJAYAKUMAR Emeritus Professor of Mathematics, Cochin University ofScience and Technology, Cochin, India.	Invited Talk 4 (12:00-12:45 pm) PROF. ANDREA FENOVCIKOVA Associate Professor Department of Applied Mathematics and Informatics, TUKE Kosice, Slovakia.	Paper Presentation (02:00-04:00 pm)	Invited Talk 5 (4.15-05:00 pm) PROF. KIRAN R BHUTANI Department Chair & Professor, Department of Mathematics The Catholic University of America, USA
08.02,2022 Day 3	Invited Talk 1 (9:00-9:45 am) PROF. B. S. PANDA Professor, Department of Mathematics, Indian Institute of Technology Delhi, New Delhi, India	Invited Talk 2 (10:00-10:45 am) PROF. PURNIMA GUPTA Professor (Retired) Sri Venkateswara College, University of Delhi, India	Invited Talk 3 (11:00-11:45 am) PROF. SLAMIN Faculty of Computer Science, Informatics Study Program, Universitas Jember, Indonesia.	Paper Presentation (12:30-02:30 pm)	Valedictory Function (02:30-03:00 pm)	



	Inauguration Ceremony (06/02/2022, 9:00 am) [Google Meet Link]			
SI No	Speaker	Title	Date, Time & Link	
1	PROF. S. ARUMUGAM Adjunct Professor, Department of Mathematics, Amrita Vishwa Vidyapeetham, Coimbatore, India	Nullity of a Graph [<u>Link to Abstract</u>]	06.02.2022, (10:00-10:45 am) [<u>Google Meet Link</u>]	
2	PROF. AYMAN BADAWI Professor, Department of Mathematics and Statistics, American University of Sharjah, UAE	N-Zero-Divisor Graph of a Commutative Semigroup [Link to Abstract]	06.02.2022, (11:00-11:45 am) [<u>Google Meet Link</u>]	
3	PROF. TAMIZH CHELVAM CSIR Emeritus Scientist Manonmaniam Sundaranar University, Tirunelveli, India	Additive graphs from commutative rings [Link to Abstract]	06.02.2022, (12:00-12:45 pm) [Google Meet Link]	
4	PROF. JAY BAGGA Professor of Computer Science, Ball State University, USA & PROF. LOWELL W. BEINEKE Schrey Professor Emeritus Purdue University, Fort Wayne, USA	New Results and Open Problems in Line Graphs [<u>Link to Abstract</u>]	06.02.2022, (04.15-05:00 pm) [<u>Google Meet Link</u>]	



	Session 1 - (06-02-2022 From 02.00 PM to 04.00 PM) - [Google Meet Link]		
SI No	Presenting Author	Title [Link to Abstracts]	
1	Alka Goyal	Bounds of point-set domination number	
2	Deepti Jain	On Characterizing Graphoidally Independent Infinite Cactus	
3	Jismy Varghese	Domination Parameters on Generalized Sierpi'nski Graphs	
4	James Joseph	Roman Domination Number of Signed Graphs	
5	Jishnu Sen	Broadcast Domination of Lexicographic and Modular Products of Graphs	
6	Ruby R	Coalition Number of Some Graphs	
7	Seethu Varghese	Power Domination in Mycielskian of Spiders	
8	W. Jinesha	Domsaturation polynomial of a graph	
9	Zahid Raza	Zagreb connection indices for metal trihalides	
10	M. Murugan	On the total monophonic number of a graph	
11	Rajesh Singh	On graphs with graphoidal length one	
	Session 2 - (06-02-2022 From 02.00 PM To 04.00 PM) - [Google Meet Link]		
1	Aloysius Godinho	Local Distance Antimagic Labeling of Graphs	
2	Anusha C	On S3 - Magic Graphs	
3	Aparna Lakshmanan	Two extensions of Leech labeling to the class of all graphs	
4	D. Nivedha	Antimagic Labeling of Few Edge Corona Graphs	
5	Divya Antoney	S-Cordial and total S-Cordial Labeling in Signed Graphs	
6	Jawahar Nisha	Geometric Mean Cordial Labeling of Butterfly Graph	
7	Joseph Varghese Kureethara	Characterization of Product Cordial Dragon Graphs	
8	Maria Angelin Visithra J	Total Edge Irregularity Strength of Some Graphs of Convex Polytopes	
9	R. Hemalatha	Weighted PI Index of Edge corona product of some classes of Graphs	
10	Seena Varghese	Leech Graphs	
11	Vijayalakshmi G	Vertex k - Prime Labeling on graphs	



	Day 2		
SI No	Speaker	Title	Date, Time & Link
1	PROF. TARKESHWAR SINGH Professor, Department of Mathematics, BITS Pilani K K Birla Goa Campus, India	On Local Distance Antimagic Labeling of Graphs [Link to Abstract]	07.02.2022, (09:00-09:45 am) [<u>Google Meet Link</u>]
2	PROF. SHARIEFUDDIN PIRZADA Professor, Department of Mathematics, University of Kashmir, India	On the eigenvalues of the distance Laplacian matrix of graphs [Link to Abstract]	07.02.2022, (10:00-10:45 am) [Google Meet Link]
3	PROF. AMBAT VIJAYAKUMAR Emeritus Professor of Mathematics, Cochin University of Science and Technology, Cochin, India.	Split graphs with four distinct eigenvalues [Link to Abstract]	07.02.2022, (11:00-11:45 am) [<u>Google Meet Link]</u>
4	PROF. ANDREA FENOVCIKOVA Associate Professor Department of Applied Mathematics and Informatics, TUKE Kosice, Slovakia.	Reflexive strength of graphs [<u>Link to Abstract</u>]	07.02.2022, (12:00-12:45 pm) [<u>Google Meet Link</u>]
5	PROF. KIRAN R BHUTANI Department Chair & Professor, Department of Mathematics, The Catholic University of America, USA	Some Graph Theoretic Properties of Multi-Hooking Networks [Link to Abstract]	07.02.2022, (04.15-05:00 pm) [<u>Google Meet Link</u>]



	Session 1 - (07-02-2022 From 02.00 PM to 04.00 PM) - [Google Meet Link]		
SI No	Presenting Author	Title [Link to Abstracts]	
1	Barkha Baloda	Laplacian spectrum of the cozero-divisor graph of ring	
2	Bilal A. Rathera	On the spread of the geometric-arithmetic matrix of graphs	
3	B. Fathima	Generalized eccentricity Kth power sum energy of graphs	
4	Jitender Kumar	Commuting graph of an aperiodic Brandt semigroup	
5	Arun Anil	Classical Graph-Theoretic Parameters of Cover-Incomparability Graphs	
6	Lekshmi Kamal	Cycle transit function and betweenness	
7	Muhammad Imran	General Randic index of unicyclic graphs with given maximum degree	
8	Najiya V K	On the A $lpha$ spectrum and energy of coalescence of complete graphs	
9	Priyanka Pandey	Bounds for the average distance for certain classes of graphs	
10	Radha R	Edge binary encoding of Cayley graphs	
11	Hilal Ahmad	Reciprocal distance Laplacian spectral radius of graphs	
	Session 2 - (07-0	2-2022 From 02.00 PM To 04.00 PM) - [<u>Google Meet Link</u>]	
1	A. Pauline Ezhilarasi	Hamilton-Waterloo Problem with Uniform Cycle Factors	
2	Pinki	Linear Time Constructing of Floor plans for Plane Triangulations	
3	Pinki	An annotated review on graph drawings and its applications	
4	Saranya D	Decomposition of hypercube graphs into paths and cycles of length four	
5	Saritha Chandran C	Common Multiples of Paths and Stars with Crowns	
6	Vaishnavi. S	A note on Fold Thickness of Graphs	
7	Yasmeen Akhtar	A Hyperedge Coloring and Application in Combinatorial Testing	
8	Reji T	Decomposition of Multistars into Multistars	



Day 3			
SI No	Speaker	Title	Date, Time & Link
1	PROF. B. S. PANDA Professor, Department of Mathematics, Indian Institute of Technology Delhi, New Delhi, India	Hardness and Approximation Results of Roman {3}-Domination in Graphs [Link to Abstract]	08.02.2022, (09:00-09:45 am) [<u>Google Meet Link</u>]
2	PROF. PURNIMA GUPTA Professor (Retired) Sri Venkateswara College, University of Delhi, India	Domination in Graphoidally Covered Graphs: Least Kernel Graphoidal Graphs III [<u>Link to Abstract</u>]	08.02.2022, (10:00-10:45 am) [<u>Google Meet Link</u>]
3	PROF. SLAMIN Faculty of Computer Science, Informatics Study Program, Universitas Jember, Indonesia.	Some topics in Graph Theory and their applications [Link to Abstract]	08.02.2022, (11:00-11:45 am) [<u>Google Meet Link</u>]



I No	Presenting Author	Title [Link to Abstracts]
1	K. Sathish Kumar	Power Dominator Chromatic Numbers of Splitting Graphs of Certain Classes of Graphs
2	M. Gokulnath	Indicated coloring of some families of graphs
3	Navaneeth R	Total Colorings of Some Classes of Four Regular Circulant Graphs
4	Nibedita Mandal	L(2,1)-coloring and Irreducible No-hole Coloring of Lexicographic Product of Graphs
5	Nivedha Baskar	Characterization of semi splitting block graph
6	Pavithra R	Coupon Coloring of Direct Product of Graphs
7	Priyamvada	Exact square coloring of graphs resulting from some graph operations and products
8	S. Gomathi	Balanced Pk-designs
9	Sandhiya T P	Total Chromatic Number For Certain Classes of Lexicographic Product Graphs.
	Session 2	- (08-02-2022 From 12.30 PM to 02.30 PM) - [Google Meet Link]
1	C. Sheeja	Geosaturation Polynomial of a Graph
2	A. Balasubramanian	Social Network Analysis in a Media Production House Bridging the Gap between Executives and Employees
3	Manju S C	PI index of Bicyclic graphs
4	K. Kavitha	Type I Sensitivity Analysis of Mid-Width Transportation Problem
5	K. Pattabiraman	QS PR Analysis for Status-Based Descriptors of Molecular Graphs
6	Mohammad Bataineh	A-Constacyclic Codes Over a Finite Ring
7	Nithya. K	An Optimal and Dynamic Allocation Model for Distributed Multimedia Objects
8	Rajpal Rajbhar	Constrained effective bin selection algorithm for solving 0-1 knapsack problem
9	S Rajeswari	Graph theoretical approach to find rheumatoid arthritis-related protein biomarkers for drug target