



Sri SAI RAM INSTITUTE OF TECHNOLOGY

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Sai Leo Nagar, West Tambaram, Chennai - 44. www.sairamit.edu.in

DEPARTMENT OF MATHEMATICS

Name : Dr. S. GOPINATH
 Designation : Assistant Professor
 Email : gopinath.maths@sairamit.edu.in
 Qualification : Ph.D
 Specialization : Algebraic Graph Theory
 Research Interest : Vector Space



Experience in years : Teaching UG PG Industry
 No. of Workshop/Conferences/
 FDP attended : Workshop Conferences FDP
 No. of Workshop/Conferences/
 FDP Organized : Workshop Conferences FDP

Professional Membership	IEEE
Publications	1. G. Kalaimurugan, S. Gopinath, and T. Tamizh Chelvam., Caylay subspace sum graph of vector space 33 (2023) 1-17 International Electronic Journal of Algebra. (ESCI)(Scopus) http://www.ieja.net/files/papers/volume-33/1-IEJA-2520.pdf
	2. Mageshwaran .K, Alessa. N, Gopinath. S , Loganathan. K, Topological Indices of Graphs from Vector Spaces, Mathematics, 295 (11) 2023, (SCIE)(Scopus) https://doi.org/10.3390/math11020295
	3. S. Gopinath , A. Richard Praveen Doss, G. Kalaimurugan, Topological indices for inverse graphs associated with finite cyclic group, <i>Communications in Mathematics and Applications</i> VOL. 14 NO. 1 (2023)(SCIE). http://www.rgnpublications.com/journals/index.php/cma
	4. G. Kalaimurugan, S. Gopinath , and T. Tamizh Chelvam., Genus of non-zero Component Union Graphs of Vector, Hacettepe journal of mathematics and statistics. 50 (6) (2021), 1595 – 1608. https://dergipark.org.tr/en/download/article-file/1157108

	<p>5. K.Mageshwaran, A. Ahmad, B.Unyong, G.Kalaimurugan, S.Gopinath On $L(\wp, \wp - 1, \dots, 1)$ Labelings of Circulant Graphs., Journal of Mathematics , 2021. (SCIE) https://doi.org/10.1155/2021/6578478</p>
	<p>6. G. Kalaimurugan and S. Gopinath., SUBSET BASED NON-ZERO COMPONENT UNION GRAPHS OF VECTOR, Advances in mathematics: Scientific Journal 10 (2021), no.5, #2561–2569 (Scopus) https://doi.org/10.37418/amsj.10.5.20</p>
Research Funded Projects	<p>Title: “New cryptographic protocols on small-world-and-scale-free networks based on combinatorial designs” (CRYPNETCOM). States: Invited and Proposed. (2023) Institution Name: Department of Applied Mathematics I School of Building Engineering University of Seville, Seville, Spain.</p>
Patents	-
Achievements	<p>Attended the Sixth Annual Foundation School (AFS)-II, Funded by NBHM at Central University of Rajasthan, Bandar Sindari, Kishangarh,Ajmer, during Dec03 – Dec29, 2018.</p>
Any Other Information	<ul style="list-style-type: none"> • Diploma in Computer Application (DCA) • Computer Programming: C, C++ and html. • Tools and Utilities : Latex, MS-Office, MatLab.

List of Publications:-

<p>1. G. Kalaimurugan, S. Gopinath, and T. Tamizh Chelvam., Caylay subspace sum graph of vector space 33 (2023) 1-17 International Electronic Journal of Algebra. (ESCI)(Scopus) http://www.ieja.net/files/papers/volume-33/1-IEJA-2520.pdf</p>
<p>2. Mageshwaran .K, Alessa. N, Gopinath. S, Loganathan. K, Topological Indices of Graphs from Vector Spaces, Mathematics, 295 (11) 2023, (SCIE)(Scopus) https://doi.org/10.3390/math11020295</p>
<p>3. S. Gopinath , A. Richard Praveen Doss, G. Kalaimurugan, Topological indices for inverse graphs associated with finite cyclic group, <i>Communications in Mathematics and Applications</i> VOL. 14 NO. 1 (2023)(SCIE). http://www.rgnpublications.com/journals/index.php/cma</p>

<p>4. G. Kalaimurugan, S. Gopinath, and T. Tamizh Chelvam., Genus of non-zero Component Union Graphs of Vector, Hacettepe journals of mathematics and statistics. 50 (6) (2021), 1595 – 1608. https://dergipark.org.tr/en/download/article-file/1157108</p>
<p>5. K.Mageshwaran, A. Ahmad, B.Unyong, G.Kalaimurugan, S.Gopinath On $L(\varphi, \varphi - 1, \dots, 1)$ Labelings of Circulant Graphs., Journal of Mathematics , 2021. (SCIE) https://doi.org/10.1155/2021/6578478</p>
<p>6. G. Kalaimurugan and S. Gopinath., SUBSET BASED NON-ZERO COMPONENT UNION GRAPHS OF VECTOR, Advances in mathematics: Scientific Journal 10 (2021), no.5, #2561–2569 (Scopus) https://doi.org/10.37418/amsj.10.5.20</p>

List of Patent : -

Workshop / Conferences / FDP Attended:-

1. Presented in “6th Biennial International Group Theory Conference – 2021 (6BIGTC–2021)” held on 04th March to 06th March Department of Mathematics School of Advanced Sciences Vellore Institute of Technology Vellore, Tamil Nadu, India.
2. Presented in “Virtual International Conference on Discrete Mathematics (VICDM-2020)” held on 08-10 February, 2021 at The Department of Mathematics, Mangalore University, Mangalagangothri, India.
3. Presented in “International Conference on Algebraic Graph Theory and Applications” ICAGTA – 2020 (Webinar)” held on 21st-22nd NOVEMBER 2020 at Department of Mathematics Presidency University.
4. Presented in “International Conference on Graph Connections” held on 06-08, August 2020 at Department of Mathematics Bishop Chulaparambil Memorial College Kottayam, India.
5. participation in "The International Conference on Recent Strategies in Mathematics and Statistics" - ICRSMS 2022 held on 19-21 May 2022.
6. "Enriching Problem Solving Skills in Pure & Applied Mathematics" Organized by The Department of Mathematics, Mepco Schlenk Engineering College, Sivakasi during 3rd August to 10th October, 2021.
7. Participated in “Three Day Mathematical Software Workshop” held on 2nd June 2021- 6th June 2021. organized by the Mathematics Club in association with the Department of Applied Sciences & Humanities, Universal Engineering College, Kerala, India.
8. Participated in “Modelling and Solving Graph Colouring Problems Using GRIN Software” held on 26th May 2021. Organized by Department of Mathematics, Theivanai Ammal College for Women, Villupuram India, Tamil Nadu, India.
9. Participated in “Two-day National Workshop on Enhancing Employability Skills of Students” held on 29-30-April, 2021. Organized by Department of Mathematics & Statistics Manipal University Jaipur Jaipur, Rajasthan-303007 India
10. Participated in “eSTTP – 2020 on Formal Languages and Automata Theory” held 14th to 19th December 2020. Organized by Department of Mathematics, SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu, India.

11. Participated in “INTERNATIONAL CONFERENCE ON RESEARCH TRENDS IN MATHEMATICS-2020 (ICRTM-2020)” held on August 25-26, 2020. Organized by Division of Mathematics, School of Advanced Sciences, VIT Chennai – 600127.
12. Participated in “TWO DAYS INTERNATIONAL WEBINAR ON FUZZY & NEUTROSOPHIC SYSTEMS” held on 21st & 22nd August 2020. Organized by Division of Mathematics, Bodoland University.
13. Participated in “International Conference on Present Scenario of Mathematical Sciences (ICPSMS-2020)” held on 12-09-2020 to 13-09-2020. Organized by Karnatak University’s Karnatak Arts College Dharwad, Karnataka, India.
14. Participated in “Berchmans Webinar Series in Mathematics” held on 26-09-2020. Department of Mathematics, SB College, Changanassery .
15. Participated in “One Day National Webinar on Mathematical Analysis and Probability” held on 4th Oct, 2020. J.K. College, Purulia, W.B.- 723101.
16. Participated in “STUDENT-TEACHER ENRICHMENT PROGRAM” held on 23rd to 25th September, 2020. Rajagiri School of Engineering & Technology, Rajagiri Valley, Kochi-682 039.
17. Participated in “Ergodic correspondence and combinatorics” held on 05th november 2020 at Department of Mathematic Gujarat University, Ahmedabab, india.
18. Participated in “Transdisciplinary & Innovative Research in Science (ICTIRS-2020)” held on 26th-28th February 2020. Organized by Science Departments, Thiruvalluvar University, Serkadu, Vellore-632 115.

INVITED TALK

19. Invited talk on **INVITATION TO ALGEBRIC GRAPH THEORY** held on 11 may 2022 at CM ANNAMALAI WOMENS ARTES AND SCIENCE COLLEGE - SOLINGAR .

Workshop / Conferences / FDP Organized:-

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