

## FACULTY PROFILE



1. Name : Dr. C.S.Gomathi
2. Designation : Assistant Professor
3. Qualification : M.Phil., Ph.D
4. Department : Mathematics
5. DOB & Age as on 13.06.24 : 09.10.1993 & 30
6. Gender : Female
7. Address : 14/1, Kandhampalayam pirivu, Erode road,  
Perundurai,  
Erode-638052
8. Phone –Mobile : 9842769674
9. E-mail ID : gomathi9319@gmail.com
10. Marital Status : Married
11. Languages Known : Tamil & English
12. Particulars of Educational Qualification :

Name of the Degree	Specialization	Name of the College	Name of the University	Month & Year of Passing	% of Marks / Grade obtained	Class obtained
Ph.D	Graph Theory	Kongunadu Arts and Science College	Bharathiar University	January & 2022		
M.Phil	Fluid Dynamics	Bharathiar University	Bharathiar University	February & 2018	82.3	I
M.Sc	Mathematics	Bharathiar University	Bharathiar University	April & 2016	78	First class with Distinction
B.Sc	Mathematics	Kongunadu Arts and Science College	Bharathiar University	April & 2014	87.1	First class with Distinction

13. Title of Ph.D. Thesis : A study on r-dynamic vertex and edge coloring of graphs

14. Faculty in which Ph.D. was awarded/doing : Mathematics

15. Area of Specialization : Graph Theory

16. Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
KG College of Arts and Science	Assistant professor	01.06.2018	31.03.2019		10	
Total					10	

17. Publication of Articles in Journals:

Sl. No.	Title of Article	Journal	Volume No.	Page No.	Month & Year
1.	On r-dynamic vertex coloring of some graphs	Kongunadu Research Journal	Vol. 7, Issue No. 1	76-81	April & 2020
2.	r-Dynamic coloring on snark families ( <b>Scopus</b> )	Journal of Physics: Conference Series	Vol.1543 IssueNo.1		May & 2020
3.	On -dynamic coloring on lexicographic product of star graphs	arXiv e-prints		arXiv: 2105.08225	May & 2021
4.	On r-Dynamic coloring of R-vertex corona of graphs	Palestine Journal of Mathematics	Vol. 10, Special Issue No. II	66-74	2021
5.	On r-dynamic vertex coloring of some graphs ( <b>Scopus</b> )	Discrete Mathematics, Algorithms and Applications	Vol 14, Issue No 1		2022
6.	On r-dynamic coloring on Mycielskian graphs	Proceedings of the Jangjeon Mathematical Society	Vol 25, Issue No 2	173-184	2022

18. Workshop/ Seminars/ Conferences, etc., attended :

- r-Dynamic Coloring of Shadow graph of certain graphs, **presented** at the **International Conference** on Mathematical Modeling and Computational Intelligence Techniques, The Gandhigram Rural Institute, Dindugul, India, February 10-12, 2021.

- On r-Dynamic coloring of R-vertex corona of graphs, **presented** at the fourth **International Conference** on Current Scenario in Pure and Applied Mathematics, Kongunadu Arts and Science College, Coimbatore, India, January 29-30, 2021.
- **Participated** in one day **Webinar** on The vertex steiner number of a graph organized by Department of Humanities and Science at S.A. Engineering College, Chennai, June 30, 2020.
- **Participated** in Joint **workshop** University of Jember, Indonesia & Kongunadu Arts and Science College conducted through online mode at University of Jember, Indonesia June 19, 2020.
- **Participated** in **Webinar** on Edge Colouring in graphs organized by pope's College (Autonomous), sawyerpuram, Thoothukudi, June 18, 2020.
- **Participated** in two day Alumni **Webinar** Lecture series on Chromatic number & its applications organized Kongunadu Arts and Science College, Coimbatore, India, June 8-9, 2020.
- **Participated** in two day **International Webinar** on Recent topics in Graph Theory organized by MES MAMPAD College (Autonomous), malappuram, Kerala, India, May 20-21, 2020.
- r-Dynamic Coloring on Lexicographic Product of Graphs, **presented** at 23rd Ramanujan Symposium **National Conference** on Graph Theory and its Application, Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Chennai, India, March 04-06, 2020.
- r-Dynamic Coloring on Snark Families, **presented** at the third **International Conference** on Current Scenario in Pure and Applied Mathematics, Kongunadu Arts and Science College, Coimbatore, India, January 30-31, 2020.
- On r-Dynamic vertex coloring of some Flower graph Families, **presented** at the **International Conference** on Impact of Innovations in Science and Technology for Social Development, Kongunadu Arts and Science College, Coimbatore, India, September 19-21, 2019.

Number of National/ International Conference presented: 5

Number of Webinar/ Workshop participated: 5

19. Refresher / Orientation course / FDP, etc., attended :

Sl. No	Period		Topic / Title	Organized by	Expenses met by VCET / Own / Organizer
	From	To			
1.	26.05.2020	26.05.2020	Graph Theory- A Research view	Nirmala College for Women	-

20. Self Assessment of Performance

S.No	Strengths	Weakness
1.	Passionate, Dedicated	Emtional, Sensitive