



TAGORE ENGINEERING COLLEGE

(A Member of Tagore Group of Institutions Chennai)

Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai

ACCREDITED BY IQAC-NAAC WITH 'A' GRADE

FACULTY PROFILE

PERSONALDETAILS			
Name&Qualification		Dr. S. GAJAVALLI, Ph.D.	
Designation		ASSISTANT PROFESSOR	
Department		MATHEMATICS (S&H)	
TotalTeachingExperience		11 YEARS	
TotalResearchExperience		-	
TotalIndustryExperience		-	
AreaofSpecialization		GRAPH THEORY	
AICTEFacultyID		1-3551314018	
EmailID		sgajavalli16@gmail.com	
EDUCATIONAL DETAILS			
Degree	Branch/Specialization	University	Year
UG	B.Sc / MATHEMATICS	BHARATHIDASAN UNIVERSITY	2002
PG	M.Sc / MATHEMATICS	ANNAMALAI UNIVERSITY	2004
M.Phil.	M.Phil /MATHEMATICS	ANNAMALAI UNIVERSITY	2006
Ph.D.	GRAPH THEORY	VIT CHENNAI	2025

RESEARCH / PUBLICATION DETAILS		
<u>Publications in Journal</u>		
1. S. Gajavalli and A. Berin Greeni. " On strong geodeticity in the lexicographic product of graphs." AIMS Mathematics 9(8) (2024): 20367–20389. DOI: 10.3934/math.2024991 [AIMS Press, SCIE, Impact Factor 1.8] 2. S. Gajavalli and A. Berin Greeni. "On the geodetic and strong geodetic parameters of certain hypercubic networks." Journal of Interconnection Networks (2024) 2450017. DOI: 10.1142/S0219265924500178 [World Scientific, ESCI, Impact Factor 0.5] 3. A. Berin Greeni and S. Gajavalli. " Geodetic parameters in tree derived architectures." TWMS Journal of Applied and Engineering Mathematics 14(2) (2024): 730–737. [Isik University, ESCI, Impact Factor 0.3] 4. S. Gajavalli and A. Berin Greeni. “On geodesic convexity in mycielskian of graphs.” Journal of Advanced Computational Intelligence and Intelligent Informatics 27(1) (2023): 119-123. DOI : 10.20965/jaciii.2023.p0119 [Fuji Technology Press, ESCI, Impact Factor 0.7] 5. M. Arockiaraj, F. J. H. Campena, A. Berin Greeni, M. U. Ghani, S. Gajavalli, F. Tchier, and A. Z. Jan. “QSPR analysis of distance-based structural indices for drug compounds in tuberculosis treatment.” Heliyon, 10(2) (2024): e23981. DOI: https://doi.org/10.1016/j.heliyon.2024.e23981 [Elsevier, SCIE, Impact Factor 3.6] 6. A. Berin Greeni, M. Arockiaraj, S. Gajavalli, T. Aziz, and M. Alharbi. “Structural analysis of anti-cancer drug compounds using distance-based molecular descriptors and regression models.” The European Physical Journal E, 48(4), 1-14. DOI: https://doi.org/10.1140/epje/s10189-025-00481-8 [Springer, SCIE, Impact Factor 1.8]		
Books/Chapters Published		
Fund Received		
-		
Patent Applied/ Published/Granted		
GRANTED	-	
GRANTED	-	
GRANTED	-	
RESEARCH GUIDANCE DETAILS		
Sl.No	University	Supervisor ID/Reference
1	Anna University, Chennai	-
2	Number of UG Scholars Guided	-

3	Number of PG Scholars Guided	-
4	Number of Ph.D. Scholars Guided	-
5	Number of Ph.D. Scholars Pursuing	-
PROFESSIONAL SOCIETY MEMBERSHIP DETAILS		
Sl.No	Professional Society Name	Member ID
1	-	-