RESUME

Name	**: Dr. S. Nithya**
Designation	**: Assistant Professor**
Department	**: Mathematics**
Address	**: 170, NGO New Colony,**
	Tiunelveli- 627007.

PERSONAL DETAILS

Date of Birth   : 05/05/1986

Qualification   : M.Sc.,M.Phil.,Ph.D (SET)

Designation   : Assistant Professor

Department   : Mathematics

Community   : BC

Religion   : Hindu

Nationality   : Indian

Mobile   : 9443841986

Email ID   : drsnithya@stxavierstn.edu.in & nithyasxc@gmail.com

ACADEMIC QUALIFICATIONS

Degree	Specialization	College	University	Year of Passing
B.Sc	Mathematics	C.S.I.JayarajAnnapackiam College, Nallur	ManonmaniamSundaranar University	2007
M.Sc	Mathematics	ManonmaniamSundaranar	ManonmaniamSundaranar	2009

		University	University	
M.Phil	Mathematics	ManonmaniamSundaranar University	ManonmaniamSundaranar University	2009
P.hD	Mathematics	ManonmaniamSundaranar University	ManonmaniamSundaranar University	2016

ACADEMIC IDENTITY	
*VIDWAN ID	347084
*ORCID ID	0000-0002-8124-2110
*SCOPUS ID	57211114535
*RESEARCHER ID/ PUBLONS ID	
GOOGLE SCHOLAR LINK	https://scholar.google.com/citations?user=99bnJzcAAAAJ&hl=en

TEACHING EXPERIENCE	
Date of Appointment	20/06/2013
Date of Retirement	20/06/2046
Teaching Experience	UG :12 years
	PG :12 years
	M.Phil. 3 years
Research	Guided M Phil:3 Guided Ph D: 3 Guiding Ph Scholar: 2

COURSES/ CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		
		From	To	Years

AWARDS RECEIVED	
1.	First rank holder in M.Phil, ManonmaniamSundaranar University, Tirunelveli

2.	Second rank holder in M.Sc, ManonmaniamSundaranar University, Tirunelveli
3.	UGC- Major Research Project Fellow (University Grants Commission, India) for the period from March 2011 to February 2013
4.	Best Out Going Student Award by C.S.I Jayaraj Annapackiam College, Nallur for the year 2007
5.	Academic first in B.Sc, C.S.I. Jayaraj Annapackiam College, Nallur

ADMINISTRATIVE EXPERIENCE

S. No	DESIGNATION	INSTITUTIONS	YEAR

MEMBERSHIP

S. No	Designation	Particulars
1.		
2.		
3.		
4.		
5.		

ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE ( )

S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1	Orientation Programme	MHRD-PMMMNMTT	Teaching Learning Centre, Ramanujan College, New Delhi and 04/06/2020 to 01/07/2020
2	Faculty Development Programme	MHRD-PMMMNMTT	Teaching Learning Centre, Ramanujan College, New Delhi and 25/07/2020 to 10/08/20200
3	Refresher Course	MHRD-PMMMNMTT	Teaching Learning Centre, Ramanujan College, New Delhi and 16/03/2021 to

			30/03/2021
4	Orientation Programme	IQAC, St. Xavier's College	St. Xavier's College and 16.02.23 to 17.06.23
5	Faculty Development Programme	St. Xavier's College of Education, Palayamkottai	St. Xavier's College of Education and October 26, 2024
6	Faculty Development Programme	St. Xavier's College (Autonomous), Palayamkottai	St. Xavier's College and July 23, 2024

DETAILS OF RESEARCH WORK		
Research Stages	**Title of the Thesis**	**University where the work was carried out**
Completed	A Study on Ideal Based of Graphs	Manonmaniam Sundaranar University

AREAS OF RESEARCH
1. Algebra
2. Graph Theory
3. Neural Networks

RESEARCH PROJECTS CARRIED OUT			
S. No	**Title of the Project (Minor)**	**Name of the Funding Agency& Amount**	**Duration**
1.	Neural Network Alchemy: Spectral Graph Theoretical Approach and Comparative Analysis	St. Xavier's College Research Grant& Rs.25000	1/08/2024 to 31/07/2025

PUBLICATIONS				
BOOKS	BOOK CHAPTERS	SCOPUS	WEB OF SCIENCE	UGC LISTED
OTHER INDEXED	AS A RESOURCE PERSON	PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS	WEBINARS, SEMINARS, WORKSHOPS ATTENDED	

PUBLICATIONS: BOOKS ()			
S. No	Title of the Book	Publication	Year
1.	Graphs from Algebraic Structures	JPS Scientific Publications	2024

BOOK CHAPTERS ()			
S. No	Title of the Paper	Name of the Book	ISSN No., Pg.No

PUBLICATIONS: SCOPUS INDEXED JOURNALS ()WEB OF SCIENCE ()			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1	Zero-divisor graph of an ideal of a near-ring	Discrete Mathematics, Algorithms and Applications	Vol.05, No.01, 1350007(2013) Impact factor: 0.796

S. No	Title of the Paper	Name of the Journal	Volume, Issue, Impact factor & Pg. No
2	Domination in the zero-divisor graph of an ideal of a near ring	Taiwanese Journal of Mathematics	17(5):1613-1625(2013) Impact factor: 1.136
3	A note on the zero-divisor graph of a lattice	Transactions on Combinatorics	3(3): 51-56(2014) Impact factor: 0.436
4	Extended annihilating-ideal graph of a commutative ring	DiscussionesMathematicae-General Algebra and Applications	42 (2), 279-291, 2022
5	Metric and upper dimension of extended annihilating-ideal graphs	Algebra Colloquim,	31 (02), 221-238, 2024
6	Partition and local metric dimension of an extended annihilating-ideal graph	Palestine Journal of Mathematics	11, 2022. 2, 2022.
7	Ecentric topological indices based on edges of annihilating-ideal graphs	International Conference on Mathematical Sciences and Applications,	21 , Issue : Proceedings
8	On the metric dimension of extended zero divisor graphs	Gulf Journal of Mathematics	Vol. 16 No. 1 (2024)
9	Laplacian Spectral Properties of Probabilistic Neural Networks	Indian Journal of Natural Sciences	369, 90332-90340
10	CF Pebbling Number of Path and Path Related Graphs	Journal of Computational Analysis and Applications	33 (8), 2024. 2024
11	Eccentric Topological Index of Zero divisor Graphs of Finite Lattices	High Technology Letters	30/10/259-271

PUBLICATIONS: UGC LISTED JOURNALS ()			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1	Computation of Metric and Upper Dimension of Zero divisor Graphs from Lattices	Journal of Emerging Technology and Innovative	11/9/b208-b214

		Research(JETIR)	

PUBLICATIONS: OTHER INDEXED JOURNALS ()

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor &Pg.No
1	d2-coloring of a graph	The Journal of Mathematics and Computer Science	3(2), 102-111(2011)

AS A RESOURCE PERSON (26)

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	Two days Intra collegiate workshop on problem solving in algebra and analysis	St. Xavier's College (Autonomous)	Feb 18&19, 2024
2	External Examiner for Internship Viva-Voce	Sadakathullah Appa College, Tirunelveli	April 24, 2025
3	External Examiner for PG Final Year Viva-Voce	Sadakathullah Appa College, Tirunelveli	April 17, 2024

WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP
PAPER PRESENTED: National () International ()

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date

WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP ATTENDED:			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	National Conference on Recent Advances in Pure and Applied Mathematics	Mathematics Department St.Xavier's College	St. Xavier's College (Autonomous), Palayamkottai(2014)
2	International Conference on New Dimensions in Mathematical Biology	Mathematics Department St.Xavier's College	St. Xavier's College (Autonomous), Palayamkottai(2015)
3	National Conference on Discrete Mathematics and its Applications	M.S.University	M.S.University Tirunelveli(2015)
4	National Conference on Mathematical Analysis and Graph Theory	Mathematics Department St.Xavier's College	St. Xavier's College (Autonomous), Palayamkottai(2016)
5	National Conference on Recent Advances in Fuzzy Mathematics and Applications	Mathematics Department St.Xavier's College	St. Xavier's College (Autonomous), Palayamkottai(2017)
6	National Seminar on Linear Algebra, Ordinal Topology and Harmonic Matrix	Thiruvalluvar College	Thiruvalluvar College Papanasam(2017)
8	National Conference on Algebra and Graph Theory	Mathematics Department St.Xavier's College	St. Xavier's College (Autonomous), Palayamkottai(2018)
9	National Seminar on Recent developments in Mathematics	Mathematics Department St.Xavier's College	St. Xavier's College (Autonomous), Palayamkottai(2019)
10	National Workshop on Functional Analysis and its Application	Mathematics Department St.Xavier's College	St. Xavier's College (Autonomous), Palayamkottai(2020)
11	International Web Conference on Pure and Applied Mathematics	Mathematics Department St.Xavier's College	St. Xavier's College (Autonomous), Palayamkottai(2020)
12	National Webinar on " Modelling and Solving Optimization Problems in Operation Research using Microsoft Excel and Solver	Mathematics Department St.Xavier's College	St. Xavier's College (Autonomous), Palayamkottai(2020)
13	International Conference on "Recent Developments in Pure and Applied Mathematics"	Mathematics Department St.Xavier's College	St. Xavier's College (Autonomous), Palayamkottai(2022)

14	State Level Endowment Workshop on ICT Tools for Smart Teaching and Learning	Mathematics Department St.Xavier's College	St. Xavier's College (Autonomous), Palayamkottai(2022)
15	International Conference on Graphs from Algebraic Structures	St. Xavier's College(Autonomous)	Sep 11&12, 2024
16	Two days Intra collegiate workshop on problem solving in algebra and analysis	St. Xavier's College (Autonomous)	Feb 18&19, 2024
17	International Workshop on Theoretical, Algorithmic, and Spectral approaches in Graph Theory	IIT, Dhanbad	May 9 to 11, 2025
18	International workshop on Recent trends in Linear Algebra and Applications	NIT, Calicut	May 19 to 23, 2025

COUNTRIES VISITED			

EXTRA-CURRICULAR ACTIVITIES/ CO-CURRICULAR ACTIVITIES ATTENDED(NCC/NSS/YRC/SPORTS/LITERARY AND CULTURAL ACTIVITIES)

Name: Dr. S. Nithya