

Name	Dr.A. PUNITHA THARANI
Qualification	M.Sc.,M.Phil.,Ph.D.,
Designation	Associate Professor
Year of Joining	03.03.1990
Specialization	GRAPH THEORY, TOPOLOGY,ALGEBRA
Email id	punitha_tharani@yahoo.co.in



Seminars/Workshops/FDP/ Conferences

Title of Workshop/ Seminar/ FDP/ Conferences	Type	Paper Presented/ Participate d	Organized By	Date
NEP 2020 Orientation &Sensitization Programme	Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission	Participated	UGC Malaviya Mission Teacher Training Centre(UGC-MMTTC), Bharathidasan University, Tiruchirappalli	15.07.2024- 24.07.2024
International conference on Research Trends in Mathematics and Data Science ICRTMDS-2024	International	Presented	Patrician College of Arts and Science, Chennai & Sacred Heart College, Tirupattur	01.03.2024 and 02.03.2024
Online FDP on Mathematics and its Applications	National	Participated	VOC College, Thoothukudi	23.03.2022 – 30.03.2022
International Webinar on Basics in Cyber Security	International Webinar	Participated	WOLLO University Kombolcha Institute of Technology Ethiopia	19.06.2021

International Faculty Development Program on Trends in Automotive Technology	International	Participated	WOLLO University Kombolcha Institute of Technology Ethiopia	17.05.2021 – 22.05.2021
International Webinar on Abroad Education and Job Opportunities in UK and Astralia	International Webinar	Participated	WOLLO University Kombolcha Institute of Technology Ethiopia	14.05.2021
International Conference on Applied Mathematics and Civil Structures (ICAMCS 2021)	International Conference	Participated	Department of Mathematics & Civil Engineering SSN College, Kalavakkam, Chennai-603110	12.02.2021 to 13.02.2021
Numbers	-	-	PG and Research Department of Mathematics, St.Mary's College, Thoothukudi	20.10.2020
MATLAB and MATHEMATICA for Scientific Research	-	Participated	Arul Anandar College, Madurai	27.07.2020- 29.07.2020
“ICT Tools for Teaching-Learning	-	Participated	Internal Quality Assurance Cell, St. Xavier’s College (Autonomous), Palayamkottai, Tamilnadu.	23.07.2020- 24.07.2020
e-National Conference on Advancement in Science and Humanities	-	Participated	Kings College of Engineering Pudukottai, Tamilnadu	13.07.2020
Learning to live with COVID-19: Embracing the New Reality	-	-	St.Mary’s College Thoothukudi	11.07.2020
An Update on Covid 19	-	Participated	St.Mary’s College Thoothukudi	10.07.2020
A Two - Day National Level E-Workshop on Understanding OBS Studio & Streamyard for E-Content Creation and Live Streaming	National level	Participated	Dr.M.G.R EDUCATIONAL AND RESEARCH INSTITUTE (Deemed to be University) University with Special Autonomy Status Maduravoyal, Chennai - 600 095. Tamilnadu. India.	10.07.2020- 11.07. 2020

Scope of Engineering in INDIAN AIR FORCE	-	-	Periyar Maniammai Institute of Science and Technology(deemed to be University),Thanjavur	06.07.2020
ASTROID DAY-Awareness Program	-	-	District Science Center Trinelveili	29.06.2020
Webinar on Online Classes and Examination in COVID Pandemic Situation	-	Participated	G.Venkataswamy Naidu College , Kovilpatti	24.06.2020
Webinar on Herculean Challenge on Human Immunology	State Level	-	St.Mary's College Thoothukudi	05.06.2020
WEBINAR ON GRAPH THEORY & HUMAN FACTORS IN AVIATION	International	-	PG & Research Department of Mathematics, G.Venkataswamy Naidu College, Kovilpatti	03-06-2020 to 05-06-2020
Recent Updates and Current Advances	-	Participated	The American College, Madurai	03-06-2020 to 04-06-2020
Mathematical Models in Bio-Medical Applications” and Hands on training session on“How to generate E-certificates”	-	Participated	Rohini College of Engineering and Technology,Palkulam,Kanyakumari	03.06.2020
Effective Usage of ICT Tools in Higher Education	-	Participated	Servite Arts and Science College for Women T.Idayapatti Thogamalai Tamilnadu	03.06.2020
Creating and Managing Brands	National level	Participated	RUSA2.0-Entrepreneurship and Career Hub, University of Madras	02.06.2020
International Faculty Development Programme	-	-	IQAC, St.Mary's College Thoothukudi	02.06.2020
Webinar on Post Covid and options	-	Participated	Ethiraj College For Women, Chennai	01.06.2020
How to use Open Educational Resources to Desire	-	-	St.Mary's College Thoothukudi	31.05.2020

Webinar on IT Trends In Banking Industry	International	-	St.Mary's College Thoothukudi	30.05.2020
e - FACULTY DEVELOPMENT PROGRAM ON "VIRTUAL TEACHING - Learning MOODLE the Efficient way"	National level	Participated	Dr.M.G.R EDUCATIONAL AND RESEARCH INSTITUTE (Deemed to be University) Chennai	29th May 2020 and 30th May 2020.
Webinar	-	Participated	Ladies Club of The American College(Autonomous)	27.05.2020
Webinar on Mathematical Modelling on Infectious Diseases- Application to COVID19	-	Participated	Patrician College Of Arts And Science, Chennai	27.05.2020
International Webinar on Recent Research Topics in Graph Theory	International	Participated	Mes Mampad College(Autonomous) Kerala	20.05.2020 &21.05.2020
MATHEMATICAL SCIENCES FOR CSIR-UGC NET ASPIRANTS	-	Organised	PG and Research Department of Mathematics, St.Mary's College, Thoothukudi	19.05.2020-23.05.2020
International FDP on "Online Teaching Tools for Trainers	International	Participated	IAAC(International Association of Academic plus Corporate Society)	18.05.2020-24.05.2020
Online Faculty Development Program On "FUZZY	-	Participated	Patrician College Of Arts And Science, Chennai	16.05.2020

SETS AND SYSTEMS”				
Webinar on Usage of ICT Tools-Why?How?	National level	Participated	Ethiraj College for Women	14.05.2020
Online workshop on Mental Health and Psychosocial Consideration During Lockdown	-	Participated	St.Mary’s College Thoothukudi	13.05.2020 & 14.05.2020
Webinar on “Selction of Appropriate Statistical Tools-A Critical way for successful Research”	-	-	St.Mary’s College Thoothukudi	12.05.2020
One week online FDP on Innovation to Academicians	National level	Participated	Ramachandra College of Engineering(NewGenIEDC-RCE Eluru) (Sponsored by NSTETB DST)	11.05.2020-16.05.2020
Webinar on Psychological First Aid	-	Participated	St.Mary’s College Thoothukudi	11.05.2020
FDP on Scilab	-	Participated	VOC College, Tuticorin	29-04-2020 to 05-05-2020
LaTeX FDP	National level	Participated	Chevalier T. Thomas Elizabeth College for Women Chennai	27-04-2020 to 01-05-2020
Online National Workshop on Basics of Documentation using LaTeX	National level	Participated	Stella Maris College(Autonomous) Chennai	24.04.2020, 25.04.2020, 29.04.2020 &30.04.2020

National Conference on "Advances In Mathematics"	National level	Participated	St.Mary's College Thoothukudi	12/03/2020 and 13/03/2020
Applied Mathematics and Intellectual Properties rights(ICAMITR-2020)	International	Participated	APC College, Thoothukudi	20.01.2020
National Colloquium on Draft National Educational Policy 2019	National level	Participated	St.Joseph's College,Tiruchirapalli	25.07.2019
Two Day Workshop on MATLAB based Mathematical Applications – Hands on Training	-	Participated	St.Mary's College(Autonomous), Thoothukudi	11.07.2019 & 12.07.2019
NBHM sponsored Instructional School on Emerging Trends in Advanced Mathematics	National level	Participated	St.Mary's College Thoothukudi	11.02.2019 and 12.02.2019
Recent Trends in Multi-Disciplinary Research	International Conference	Participated	A.P.C. Mahalaxmi College for Women, Thoothukudi	20.12.2018 & 21.12.2018
Research Oriented Lecture Series – 2018	-	Participated	A.P.C. Mahalaxmi College for Women, Thoothukudi.	26.09.2018
International Conference on Applications of Mathematics	International Level	Participated	St.Mary's College Thoothukudi	11.01.2018
Conference on	International	Participated	Madurai Kamaraj	08.01.2018

Algebra and Discrete Mathematic			University, Madurai.	– 10.01.2018
Seminar on Academic and Research Integrity in the Digital World	National level	Participated	St.Mary’s College Thoothukudi	09.12.2017
Instructional Workshop on Latex	State Level	Participated	St.Mary’s College Thoothukudi	21.09.2017 – 22.09.2017
Seminar on Recent Trends in Mathematics	National level	Participated	St. Mary’s College Thoothukudi	14.12.16
Seminar on Quality Enhancement in Higher Education: Teaching, Learning and Evaluation.	National level	Participated	St. Mary’s College Thoothukudi	07.01.16- 08.01.16
Conference on Solar Energy	International	Participated	St. Mary’s College Thoothukudi	11.02.15
Seminar on “Ramanujan – The Legend of Infinity”	National level	Participated	St. Mary’s College	14.02.13 – 16.02.13
Workshop on MATLAB	State level	Participated	St. Mary’s College Thoothukudi	18.10.12
Conference on Innovations in Teaching – Learning, Research and Unique Practices in Higher Education.	National level	Participated	Kristu Jayanti College Bangalore	17.11.11 – 18.11.11
Orientation Course	-	Participated	Madurai Kamaraj University	3.5.05- 30.5.05
Seminar on “Modern Trends in Mathematics”	State level	Participated	St. Mary’s College	24.2.05- 25.2.05
Refresher Course	-	Participated	St.Xavier’s College of Education	6.11.02- 26.11.02

Refresher Course	-	Participated	Gandhigram Rural University	8.5.02-28.5.02
Refresher Course	-	Participated	Pondicherry University	4.3.98-24.3.98
National Consultation on 25 years of National Service Scheme	National level	Participated	Kristu Jyoti College Bangalore	1.5.94-7.5.94
Seminar on “Algebra, Number Theory and Their Applications to Graph Theory”	State level	Participated	M S University Trinaveli	3.3.94-4.3.94
Workshop on “The Challenge to Secularism – The tasks before us”	State level	Participated	Tamil University Thanjavur	7.8.93-8.8.93
Orientation Course on Fortran & Numerical Methods	-	Participated	M S University	23.11.92-5.12.92

Seminars/Workshops/ Conferences Organized

- ❖ Online workshop on Mathematical Sciences for CSIR-UGC NET Aspirants from 19.05.2020 to 23.05.2020
- ❖ SERB sponsored National Conference on Advances In Mathematics on 12.03.2020 and 13.03.2020
- ❖ TNSCST sponsored Workshop on MATLAB Based Mathematical Applications on 11.07.2019 and 12.07.2019
- ❖ NBHM sponsored Instructional School on Emerging Trends in Advanced Mathematics on 11.02.2019 and 12.02.2019
- ❖ International Conference on Applications of Mathematics on 11.01.2018.
- ❖ Instructional Workshop on Latex on 21.09.2017 and 22.09.2017.
- ❖ National Seminar on Recent Trends in Mathematics on 14.12.2016.

- ❖ Seminar on “Human Space Exploration – Challenges and Opportunities” on 01.03.2016.
- ❖ UGC sponsored National on “International Year of Mathematics for the Planet Earth 2013” on 17.07.2014 to 18.07.2014
- ❖ DST sponsored National Seminar “Ramanujam – The Legend of Infinity” from 14.02.2013– 16.02.2013.
- ❖ Workshop on MATLAB on 18.10.2012.
- ❖ International Workshop on Generative Leadership through Theme Centered Interaction on 10.01.2011 and 11.01.2011.
- ❖ One day seminar on Competitive Examinations on 10.03.2010.

Papers Published

Paper Title	Journal	Year	Vol	Issue	Pages
Discrete Labeling of Graphs	Indian Journal of Science and Technology	2024	17	1	93-102
Determinant of Some Cyclic Graphs using Incycle Vertices	Indian Journal of Natural Sciences,ISSN:0976-0997	2024	15	83	72883-72890
Discrete Labeling of Some Trees	Indian Journal of Natural Sciences,ISSN:0976-0997	2024	15	83	72871-72877
Cardinal Labeling of Some Standard and Special Graphs	Indian Journal of Natural Sciences,ISSN:0976-0997	2024	15	83	72878-72882
Maximal Ideals in Symmetric Semigroups	South East Asian Journal of Mathematics and Mathematical Sciences, ISSN: 0972-7752 (UGC CARE LIST)	2022	18	-	87-94
Felicitious Difference labeling graph	Journal of Research and Development A Multidisciplinary International Level Referred and Peer Reviewed Journal, ISSN : 2230 - 9578	May 2021	11	13	15-17
Felicitious Difference labeling of special types of trees	Tumbe Group of International Journal A peer Reviewed Multidisciplinary Journal	May - Aug 2021	4	2	144-149
Near Felicitous Difference labeling graph	Design Engineering	2021		9	5050-5056
On Soft Contra $g^*\beta$ -	South East Asian Journal of	Dec-	17	-	101-108

Continuous Functions in Soft Topological Spaces	Mathematics and Mathematical Sciences, ISSN: 0972-7752 (UGC CARE LIST)	2021			
Symmetric prime and Symmetric semiprime ideals in Symmetric semigroups	Journal of Physics: Conference Series, ISSN: 1742-6588, E-ISSN: 1742-6596	Aug-2021	1	1947	12023
A New Set of Soft Generalized $*\beta$ - Locally Closed Sets in Soft Topological Spaces	Journal of Physics: Conference Series, ISSN: 1742-6588, E-ISSN: 1742-6596	Aug-2021	1	1947	012013
Symmetric bi-interior ideals of Symmetric Semigroups	Journal of Physics: Conference Series, ISSN: 1742-6588, E-ISSN: 1742-6596	Aug-2021	1	1947	12024
Equitable Detour Global Domination Number of a Graph	Indian Journal of Natural Sciences (WOS)	Aug-2021	12	67	33129-33133
A New Approaches About Contra $g^*\beta$ -Continuous Functions in Topological spaces	Indian Journal of Natural Sciences(WOS)	July-2021	12	66	31470-31474
Equitable Detour Global Domination Number of Some Special Graphs	Indian Journal of Natural Sciences(WOS)	July-2021	12	66	31027 - 31031
A Study on Symmetric Subgroups	Journal of Research in Applied Mathematics	Jun-2021	7	6	29-33
Connected Edge Detour Global Domination Number of a Graph	Malaya Journal of Matamatik - (UGC CARE LIST) ISSN 2319 3786	Oct-2020	8	4	1580-1582
On $g^*\beta$ -Compactness and $g^*\beta$ - connectedness in Topological Spaces	Malaya Journal of Matamatik -ISSN 2319 3786 (UGC CARE LIST),	Sep-2020	8	4	1370-1374
Edge Detour Global Domination Number of a Graph	Mukt Shabd Journal - ISSN 2347 3150	Sep-2020	-	-	-
Soft $g^*\beta$ -Closed Sets in Soft Topological Spaces	Journal of Mechanics of Continua and Mathemital Sciences (UGC Care Web of Science Journal) - ISSN: 2454-7190,	Aug-2020	18	8	188-195

Some types of ideals in symmetric rings	Advances in Mathematics: scientific Journal (Scopus) ISSN 1857-8365(printed) 1857 -8438(electronic)	Jul-2020	9	5	2547-2559
Introduction to symmetric semigroups and symmetric semirings	International Journal of Advanced Science and Technology (Scopus), ISSN2005-4238	May-2020	29	9	1963-1971
A New Class of Nano Generalized Star Beta Closed Sets in Nano Topological Spaces	Journal of Advanced Research in Dynamical and Control System(Scopus)- ISSN: 1943-023X, vol-12,04	May-2020	12	4	1088-1094
The Concept of $g^*\beta$ – Closed Sets in Topological Spaces	International Journal of Mathematical Archive ISSN: 2229-5046	Apr-2020	11	4	14-23
Detour Global Domination Number of Some Standard And Special Graphs	International Journal of Advanced Science and Technology	2020	29	8	185-189
Equitable Triple Connected Two Domination Number of a Graph	International Journal of Advanced Science and Technology	2020	29	8	334-337
A Study on Restrained Triple Connected Two Domination Number of a Graph	Journal of Emerging Technologies and Innovative Research	2019	6	3	27-29
Detour Global Domination Number of a Graph	International Journal of Engineering Science and Computing	2019	9	12	-
$g^*\alpha$ -closed sets and $g^*\alpha$ -locally closed sets in Bitopological Spaces	Journal of Emerging Technologies and Innovative Research	2019	9	2	363-365
A New Quotient mappings in Topological Spaces	International Journal of Computational Engineering Research (IJCER)	2019	9	2	69-71
On Contra $g^*\alpha$ -continuous functions	Journal of Emerging Technologies and Innovative Research	2019	6	3	50-53
Restrained Triple Connected Two Domination Number of Central, Total, and Line Graphs of Path and	International Journal of Computational Engineering Research (IJCER)	2019	9	3	05-Jun

Cycle					
Bg** - Closed Sets In Topological Space	International Journal of Computational Engineering Research	2018	8	11	57 - 60
Triple Connected Line Domination Number of a Graph	International Journal of Basic and Applied Research	2018	8	-	494 - 500
A study on $g^* \alpha$ - Compact and $g^* \alpha$ - Connected spaces	International Journal of Advanced Scientific Research and Management	2018	3	8	253-260
$g^* \alpha$ -locally closed sets and $g^* \alpha$ - locally closed functions	International Journal of Mathematical Archive	2018	9	3	60 -69
Triple Connected Line Domination Number of a Graph for some standard and special graphs	International Journal of Advanced Scientific Research and Management	2018	3	8	107 -110
$g^* \alpha$ -closed sets in Topological spaces	International Journal of Mathematical Archive,ISSN:2229-5046,	2017	8	10	71 -80
pg** - Connected space.	International Journal of Mathematical Archive, ISSN:2229-5046,	2017	8	3	159 – 164
pg** - separation axiom	International Journal of Mathematical Archive, ISSN:2229-5046,	2017	8	3	119 - 130
pg** - compact spaces.	International Journal of Mathematics Research ISSN: 2229 - 5046	2017	9	1	27 - 43
Essential concepts of pg** - closed sets	International Journal of Mathematical Archive, ISSN:2229-5046,	2017	8	3	30-35
(gsp)** - closed sets in Topological space	International Journal of Mathematical Archive, ISSN:2229-5046	2015	6	7	95-101
pg** - closed sets in Topological space	International Journal of Mathematical Archive, ISSN:2229-5046,	2015	6	7	128-137
On Some New Class Of Nearly Closed And Open Sets	International Journal of Mathematical Archive, ISSN:2229-5046	2014	5	11	47-52
On α^{s*} Connected and α^{s*} - Compact spaces	International Journal of Mathematical Archive, ISSN:2229-5046	2014	5	12	1-7
On α^{s*} -Conituous And M- α^{s*} Continuous mappings	Archimedes J. Math., ISSN:2278-0858	2014	4	2	179-186

On cover pebbling graphs	Acta Ciencia Indica, ISSN:0970-0455	2014	XL M	3	289-298
On t-cover pebbling graphs	Archimedes J. Math., ISSN:2278-0858	2014	4	2	89-97
On pre*-regular and pre*-normal spaces	Archimedes J. Math., ISSN:2278-0858	2014	4	2	76-88
The t-cover pebbling number of graphs	International Journal of advanced scientific and technical research, ISSN:2249-9954	2014	2	4	925-935
Cover pebbling number for cube of a path	International Journal of Mathematical Archive, ISSN:2229-5046	2013	4	12	153-155
On supra g^{**} - closed sets	International Journal of Computer Application, ISSN: 2250 1797.	2013	1	3	28-38
On supra g^* - closed sets	International Journal of Computer Application, ISSN: 2250-1797. ,	2013	1	3	18-27
Pairwise g^{**} -compact modulo I, g^{**} - countable compact modulo I, g^{**} -Lindeloff modulo I spaces	International Journal for Computer Application and Research, ISSN: 2320-5067.	2013	-	Special Issue 1	40 – 45
Pairwise g^{**} -compact, countably compact, Lindeloff spaces	International Journal for Computer Application and Research, ISSN: 2320-5067	2013	-	Special Issue 1	35 – 39
g^{**} -Lindelof modulo an Ideal	International Journal of Mathematical Archive, ISSN:2229-5046	2013	4	-	126-130
On Pre*compact and pre* connected spaces	Acta Ciencia Indica, ISSN:0970- 0455	2013	XX XIX M	3	241-248
g^{**} -Closed Sets in bitopological spaces	International Journal of Mathematical Archive,ISSN: 2229-5046	2012	7	-	2728-2734
Lower separation axioms using pre*- open sets	International Journal of advanced scientific and technical research, ISSN:2249-9954.	2012	6	2	555-563
g^{**} -Quasi – FH-closed spaces and g^{**} -Quasi – CH-closed spaces	International Journal of Mathematical Archive, ISSN:2229-5046	2012	3	12	4789-4796.
On pre*- continuous and m - pre*continuous mappings	Asian Journal of Current Engineering and Maths, ISSN:2229-5046	2012	3	11	4067-4071
Some new class of nearly closed and open	Asian Journal of Current Engineering and Maths	2012	1	5	305 – 307

sets	ISSN:2277-4920				
A Generalization of Urysohn's Lemma and Tietze Extension Theorem via g^{**} -closed sets,	International Journal of Computer Application, ISSN:2250-1797.	2012	2	5	669-674
g^{**} connected space	International Journal of Computer Application, ISSN:2250-1797.	2012	2	5	58-65
Strongly g^* -closed sets and Strongly g^{**} -closed sets	International Journal of Mathematical Archive, ISSN:2229-5046	2012	3	8	3108-3112.
$g^{**}I$ continuous functions	International Journal of Mathematical Archive, ISSN: 2229- 5046	2012	3	8	3055-3066
$g^{**}I$ -closed sets and $g^{**S}I$ -closed sets	International Journal of Mathematical Archive, ISSN:2229-5046, NO 8.	2012	3	8	2891-2898
g^{**} compact space and g^{**} compact modulo I space	International Journal of Computer Application, ISSN:2250-1797.	2012	2	4	123-133.
On t-pebbling graphs	Utilitas Mathematica ISSN: 0315-3681,	2012	87	-	331-342.
The t-pebbling conjecture on products of complete r-partite graphs.	Ars Combinatoria ISSN: 0381-7032	2011	102	-	201-212
The pebbling number of 4-star graph,	Scientia Acta Xaveriana, An International Journal Science Journal, ISSN: 0976-1152	2011	2	2	29-59.
Covering cover pebbling number	Utilita Mathematica,78,	2009	-	78	41-54.
Covering cover pebbling number of a hypercube and diameter d graphs	Journal of the Korea Society of Mathematical Education, Series B " The Pure and Applied Mathematics"	2008	15	2(40)	121-134

Recognized Guide under MS University

Ph. D Awarded to

Scholar Code	Scholar Name	Date of Viva Voce	Title
19212212092008	V. Uma Maheswari	29.04.2024	A Study on Symmetric Ideals in Algebra

19122212092006	A.Ferdina	22.12.2022	A Study on Detour Domination in Graphs
19122212092003	Sujitha. H	26.09.2022	A Study on Multiple Topological Space
12519	A.Robina Tony	21.02.2022	Edge Domination in Graphs
12335	Delcia.T	06.03.2020	Study on Topological Spaces
8134	Selvi. T	09.08.2018	A study on pre *- open sets in Topological spaces
10584	Priscilla Pacifica. G	29.01.2018	Studies on pg^{**} -Closed Sets in Topological Spaces
10162	Hari Siva Annam. G	28.02.2017	A study on αs^* - open sets in Topological spaces
7346	Pauline Mary Helen. M	16.02.2016	Studies on g^{**} -Closed Sets in Topological Spaces

Responsibilities Held

- Dean of Sciences (June 2024- Till date)
- Controller of Examinations (June 2021 –May 2024)
- Head of the Department (June2014-May 2021)
- Doctoral Committee Member for Research Scholars from various Institutions
- NSS Programme Officer (1992-1995)
- Member of the Academic Council
- Member of the College Council
- Member of the Curriculum Development Committee
- Member of the Awards Committee
- Member of IQAC
- Member of NAAC Committee
- Member of Research Forum
- Fine Arts Committee
- Staff club
- Member in BLOSSOM, Dance Committee, Quiz Club etc.
- Accompanied girls during annual tour.