

ARULMIGU PALANIANDAVAR ARTS COLLEGE FOR WOMEN PALANI
Profile



Name : Dr. K.MEENA
Designation : Associate Professor and Head
Department : Mathematics
Qualification : M.Sc., M.Phil., P.G.D.C.A., Ph.D.,
Area of Specialization: Topology
Email Id : meenasantil267@gmail.com
Date of Joining : 02.02.2009
Experience : 22 Years
Articles Published in Journals: 8
Presented Papers in Conferences & Seminars : 7
Attended Work Shops/ Conferences & Seminars :79
Faculty Development Programme : 19

Various Positions held in the Institution:

- Head of the Department of Mathematics
- UG admission
- Member of IQAC
- Academic Council Member
- General Time Table in charge
- Chair Person of Board of Studies in Mathematics of Arulmigu Palaniandavar Arts College for Women, Palani
- College Council Member
- In charge of General Time Table
- In charge of PTA meeting
- Served as NSS officer June. 2012 - May .2014
- Served as NCC caretaker 2010-2011 & August 2012-October2012
- In charge of Earn While You Learn Club 2012-2013
- Served as Nodal Officer 2013-2014
- NSS advisory committee member 2015-2016

Academic Qualifications

Exam Passed	Board/ University	Course	Year of Passing	Division / Grade Merit etc.
SSLC	Govt. High School, Kasipalayam.	General	1991	I Class
HSC	Govt. Higher Secondary School .Vedasandur.	Bio-Maths	1993	I Class
Bachelor's Degree (s) B.Sc.,	MVM Govt. Arts College For Women, Dindigul, Madurai Kamaraj University.	Mathematics	1996	I Class
Master's Degree (s) M.Sc.,	Sri Meenakshi Govt. Arts College for Women, Madurai, Madurai Kamaraj University.	Mathematics	1998	I Class
Research Degree (s) M.Phil	Madurai Kamaraj University, Madurai.	Mathematics	1999	I Class
Other Diploma/ Certificate etc/ P.G.D.C.A.,	Alagappa University, Karaikudi.	Computer Science	2002	I Class
Ph.D	Madurai Kamaraj University, Madurai.	Ideal Topology	26.10.2017 Viva voce	

Research Experience**Degree Completed :**

Research Stage	Title of work/Theses	University where the work was carried out
M.Phil.,		Madurai Kamaraj University, Madurai.
Ph.D	Studies on New Topological and Ideal Topological Sets, Functions and Spaces	Madurai Kamaraj University. Madurai.

Orientation/ Refresher Courses

S.No	Orientation/ Refresher Courses	Subject	Name of the Sponsoring Agency	Place and Date
1.	Orientation	General	UGC-Academic Staff College	Bharathidasan University,Trichy.11. 11.2011 to 08.12.2011
2,	Refresher Course	Mathematics	UGC-Academic Staff College	Madurai Kamaraj University, Madurai 07.11.2013 to 27.11.2013
3.	Orientation	NSS	Avinasilingam Deemed University	Coimbatore. 22.02.2013 to 28.02.2013.
4.	Refresher Course	Allied Mathematics and Statistics	UGC-Human Resource Development Centre.	Bharathiar University, Coimbatore 15.09.2016 to 05.10.2016.
5.	Refresher Course	Gender Studies (Mathematics)	UGC-Academic Staff College	Madurai Kamaraj University, Madurai 18.12.2018 to 07.01.2019.
6.	Refresher Course	Quality in Higher Education (Mathematics)	UGC, Human Resource Development Centre,	Gujarath University, Ahmedabad 06.09.2021 to 19.09.2021.

Seminars, Conferences, Symposia, Workshops etc, Attended:

S.No	Name of the Seminar/Conference/ Symposia Workshop, etc	State/ National/ International Level	Name of the Sponsoring Agency	Place and Date
1.	Graph Theory and its Applications	State Level	The Dept. of Mathematics	APA College for Women. 31.03.2009.
2.	Fuzzification Techniques	Workshop	Department of Mathematics	Sri GVG Visalakshi College for Women, Udumalpet. 18.08.2009.
3.	Orientation & Retraining of Teachers	UGC Sponsored	UGC	APA College for Women , Palani 18.09.2010
4.	Operations Research and Its Applications	National Level	The Department of Mathematics	APA College for Women, Palani. 10. 01.2011.

5.	Best Practices for Quality Enhancement In Higher Education.	National Level		APA College for Women. 31.03.2011.
6.	Trends And Applications In Optimal Control Theory	UGC Sponsored International Symposium	The Department of Mathematics	Sri GVG Visalakshi College for Women, Udumalpet. 26.08.2011.
7.	Nuclear Energy, Nuclear Reactor & Their Safety – An Overview	State Level	Departments of Physics and Life Science	APA College for Women, Palani. 26.12.2011.
8.	Orientation and Retraining of Teachers		UGC-Autonomy	APA College for Women, Palani 02.02.2013
9.	The Widening Horizons of Chemistry (TWHC-(III)-2013)	National Level	The Department of Chemistry	APA College for Women, Palani. 11.02.2013.
10.	Medicinal Plants Diversity –Threats, Conservation and Prospective	National Level	The Department of Botany	APA College for Women, Palani. 01.03.2013
11.	Energy And Nano Technology	National Level	The Department of Physics	APA College for Women, Palani. 12.04.2013
12.	Advances in Numerical Analysis and Applied Mathematics	International Level	The Dept. Of Mathematics	APA College for Women, Palani. 24.08.2013.
13.	Novel Trends in Chemistry	State Level	The Dept. of Chemistry	APA College for Women, Palani. 30.01.2014
14.	Fuzzy Mathematics And Its Application	State Level	Department of Mathematics	APA College for Women, Palani. 20.02.2014.
15.	Recent Trends in Material Science And Energy Science	State Level	The Department of Physics	APA College for Women, Palani. 07.03.2014
16.	Orientation and Retraining of Teachers		UGC- Autonomy Grant	APA College for Women, Palani. 19.07.2014.
17.	Number Theory and Cryptography	UGC Sponsored National Workshop	The Department of Mathematics	Sri GVG Visalakshi College for Women, Udumalpet. 25.09.2014.
18.	Orientation and Retraining of Teachers		UGC- Autonomy Grant	APA College for Women, Palani. 11.04.2015.
19.	Recent Trends in Differential Equations	National Level	The Department of Mathematics	APA College for Women 23.09.2015
20.	Algebraic Graph Theory, Real Analysis and Applications”	State Level Workshop	The Department of Mathematics	APA College for Women 05.02.2016
21.	Presented a paper on	National Level	The Department	A.P.A.College for

	Economic Crisis-Threat to Developing Economics		Of Economics	Women, Palani 01.09.2015
22.	Mathematical Modeling	Guest Lecture	The Department of Mathematics	APA College for Women 02.03.2016
23.	Presented a paper on Generalized closed sets in Ideal Topological spaces	National Level Workshop on COMPUTATIONAL INTELLIGENCE MATLAB AND LaTeX	The Department of Mathematics	Mother Teresa Womens University, Kodaikanal. 14.03.2017 & 15.03.2017
24.	Mathematical Modeling in real life	International symposium on	The Department of Mathematics	Sri G.V.G Visalakshi College for Women, Udumalpet 09.02.2018
25.	Presented a paper on $\delta\omega\alpha$ - Closed Sets in Topological space	National Conference Mathematical Applications In Algebra Graph Theory, Optimization Technique And Network	The Department of Mathematics	Mother Teresa women's University, Kodaikanal. 02.02.2018
26.	Mathematical modelling in real life	International symposium	The Department of Mathematics	Sri G.V.G Visalakshi College for Women, Udumalpet 09.02.2018
27.	External Examiner for M.Phil. Mathematics Viva-Voce Examinations		The Department of Mathematics	Mahendra Arts & Science, Kallipatti, Namakkal. 24.01.2019
28.	Paper Presented On Challenges and Issues Facing Higher Education	IQAC SEMINAR	IQAC	A.P.A College for Women, Palani 29.01.2019
29.	Paper presented on $(g\alpha)^*$ closed sets in Topological Spaces	International conference on "Mathematical Modeling in Nature And Social Sciences"	The Department of Mathematics	Sri G.V.G Visalakshi College for Women, Udumalpet 16.02.2019
30.	Paper presented on New Statistical Analysis Confirms Human Role in Climate Change	International conference on " Current Scenario in Plant Science and	The Department of Botany	APACW Palani 07.01.2020

		Environmental Conservation "		
31.	Paper presented on Role of Mathematics in Nano Science and Nanotechnology	International conference on Recent Innovation in Nano Science and Technology	The Department of Physics	APACW Palani . 25.01.2020
32.	National Level E-Quiz	Srinivasa Ramanujan's 133rd Birth Anniversary	22.12.2020 to 31.12.2020	Swami Vivekananda Study Circle of Kongunadu Arts and Science College , Coimbatore.
33.	National Level online Mathematics Quiz	Modern Algebra-2k21	11.03.2021	PG and Research Department of Mathematics, Rajah Serfoji Govt. College, Thanjavur .
34.	National Level online Mathematics Quiz	Graph Theory-2k21	11.03.2021	PG and Research Department of Mathematics, Rajah Serfoji Govt. College, Thanjavur .
35.	National Level online Mathematics Quiz	Real Analysis-2k21	11.03.2021	PG and Research Department of Mathematics, Rajah Serfoji Govt. College, Thanjavur .
36.	Webinar	Pi-The Mysterious Number	15.03.2021	Department of Mathematics, Karunya I institute of Technology and Science, Coimbatore
37.	online Quiz	International Day of Human Space Flight	12.04.2021	Department of Physics, APACW, Palani
38.	online Quiz Programme	Life History of Dr.Ambedkar	14.04.2021	PG and Research Department of Tamil, APACW, Palani.
39.	Webinar	Role of Women in Society	17.04.2021	Youth Red Cross, St.Joseph's College Arts and Science, Cuddalore
40.	National Level Webinar	Biodiversity Conservation and Challenges	28.05.2021	Department of Zoology, Holy Cross College ,Nagercoil
41.	National Level Webinar	Introduced to	26.06.2021	Youth Red Cross,

		IPR		St.Joseph's College Arts and Science, Cuddalore
42.	Longest virtual event on vision 2030 important of enhancing life skills for researching higher heights	World Record Event	18th June 9.30am to 20th June 9.30pm	Tamilnadu Teacher Education University
43.	Yoga Quiz	7th international yoga day 2021	21.06.2021	NCC, Vivekananda college Tiruvedakam
44.	Yoga Quiz	7th international yoga day 2021	21.06.2021	NCC, Arignar Anna Government Ares College Namakkal
45.	Mathematics	Five days online workshop	21.06.2021 to 25.06.2021	Department of Mathematics , School of Arts and Science, AVIT Campus, Chennai.
46.	National Statistics Day 2021	National Level Online Quiz	29.06.2021	PG and Research Department of Mathematics ,Kongu Arts and Science College Erode
47.	Recent Advances in Chemical ,Physical and Biological Sciences,	international E-Conference	29th--30th June 2021	Department of Chemistry .Nabira Mahavidyalaya, Katol , Mumbai.
48.	Webinar	How to handle online classes effectively	10.06. 2021	School of Social Sciences and Languages , VIT Vellore Institute of Technology, Chennai
49.	National Webinar	Effective Research Writing in Mathematics	12.06. 2021	Maths Tricks Association, PG Department of Mathematics, Patrician College of Arts and Science College
50.	Online quiz	NET/SET /PAPER I QUIZ	14.06. 2021 to 21.06.2021	IQAC, Adithya College of Arts and Science , Coimbatore
51.	Two day Webinar	Emerging Trends in Digital Research Library	16.06. 2021& 17.06. 2021	Scientific Information Resource Division Indira Gandhi Centre for Atomic Research,

				Kalpakkam, Chennai
52.	E-Quiz	E-Quiz on Basic Statistics	18.06. 2021	PG and Research Department of Mathematics, Sakthi College of Arts and Science for Women, Oddanchatram
53.	Webinar	Poincare Conjecture	19.06. 2021	Department of Mathematics, KPR Institute of Engineering and Technology, Coimbatore
54.	Mathematics	Five days online workshop	21.06.2021 to 25.06.2021	Department of Mathematics , School of Arts and Science, AVIT Campus, Chennai.
55.	National Statistics Day 2021	National Level Online Quiz	29.06.2021	PG and Research Department of Mathematics , ,Kongu Arts and Science College Erode
56.	Recent Advances in Chemical ,Physical and Biological Sciences,	international E- Conference	29th--30th june 2021	Department of Chemistry .Nabira Mahavidyalaya, Katol , Mumbai.
57.	Yoga Quiz	7th international yoga day 2021	21.06.2021	NCC, Vivekananda college Tiruvedakam
58.	Yoga Quiz	7th international yoga day 2021	21.06.2021	NCC, Arignar Anna Government Ares College Namakkal
59.	Yoga Quiz	7th international yoga day 2021	21.06.2021 to 24.06.2021	Department of Mathematics, Government Arts and Science College, Kangeyam
60.	Mathematics	Five days online workshop	21.06.2021 to 25.06.2021	Department of Mathematics , School of Arts and Science, AVIT Campus, Chennai.
61.	National Statistics Day	National Level	29.06.2021	PG and Research

	2021	Online Quiz		Department of Mathematics , ,Kongu Arts and Science College Erode
62.	Recent Advances in Chemical ,Physical and Biological Sciences,	international E-Conference	29th--30th june 2021	Department of Chemistry .Nabira Mahavidyalaya, Katol , Mumbai.
63.	National Workshop	How to Write a research paper	22.06. 2021	School of Social Sciences and Languages , VIT Vellore Institute of
64.	National Webinar	Introduction to IPR	26.06. 2021	St Antony Institutions Innovation Council IPR Cell, St Antony College of Arts and Sciences for Women, Dindigul
65.	Quiz	Drug Abuse	26.06. 2021	Department of Chemistry
66.	E-Quiz	National Statistics Day	26.06. 2021	PG and Research Department of Mathematics,Sri Ramakrishna College of Arts and Science for Women, Dindigul
67.	Online National Quiz	COVID-19 and Vaccines	June 28-30, 2021	Faculty of Life Sciences, Mandasaur University
68.	E-Quiz	National Statistics Day	26.06. 2021	PG and Research Department of Mathematics,Sri Ramakrishna College of Arts and Science for Women, Dindigul
69.	Webinar	National Statistics day celebration:	29.06. 2021	Sankara College of Science and Commerce

		Importance of Statistics in Today's Scenario		
70.	Webinar	Applications of Differential Equations	02.07. 2021	Department of Mathematics Vivekananda College . Tirurvedakam, Masdurai.
71.	Six days Webinar	Calculus, Algebra and Analysis	07.07. 2021 to 13.07.2021	Department of Mathematics, Rathnavei Subramaniam College of Arts and Science , Sulur.
72.	E -Quiz	Environment and Ocean Science	12.07. 2021 to 15.07.2021	Department of Biotechnology, Stella Maris College
73.	State level E -Quiz	Quit India Movement	09.08.2021	PG and Research Department of History, APACW, Palani
74.	Seminar	Emerging Trends in Research in Mathematics	23.10.2021	Department of Mathematics and Statistics , Shri Shankarlal Sundarbhai Shasun Jain College for Women, Chennai
75.	International Seminar	Fluid Dynamics	28.10.2021	PG and Research Department of Mathematics G.Abdul Hakeen College
76.	National Webinar	Financial Empowerment Through Wealth Creation	10.12.2021	Yogi Vemana University, Kadapa
77.	National Webinar	Financial Empowerme	11.12.2021	Alliance Asocent College Bengaluru

		nt Through Wealth Creation		
78.	Webinar	NEP-2020: Changing Role of Teacher	8 th September, 2022	UGC, Human Resource Development Centre, Gujarath University, Ahmedabad
79.	National Webinar	Fuzzy Mathematics	26.10.2022	Department of Mathematics, Gonzaga College of Arts and Science for Women, Krishnagiri.

Faculty Development Programme:

Department	Nature of the Programme	Theme of the Programme	Duration	Conducting Center
Department of Science and Humanities	Five days Online Faculty Development Programme	A First Look at Mathematical Software	July15-19,2020	Dr. N.G.P. Institute of Technology, Coimbatore.
IQAC	A Seven Day National Level Faculty Development Programme.	Ethical Standards in a Professional Context	01/08/2020 to 07/08/2020	APACW, Palani.
Faculty Management Studies	Week AICTE-ISTE Sponsored FDP	Teaching Tool for 21st Century	14.12.2020 to 19.12.2020	Karpagam College of Engineering, Coimbatore
IQAC	A Seven Day National Level Faculty Development Programme	Cognizance and Formulation of Core Values in Higher Education	10.03.2021 to 16.03.2021	APACW, Palani.
Department of Mathematics	Two days online	Applications of Statistics in Data Analysis	17.03.2021 and 18.03.2021	Coimbatore Institute of Technology
E & ICT Academy	One Week	Python	03.05.2021- 08.05.2021	E & ICT Academy, IIT Kanpur.
E & ICT Academy	One Week	Cloud Computing	10.05.2021 - 15.05.2021	E & ICT Academy, IIT Kanpur.

Entrepreneurship Development Cell	Two weeks online FDP	Entrepreneurship Development	March 2021	Mother Teresa Women's University, Kodaikanal
School of Social Sciences and Languages	online FDP	Digital Tools in Teaching	June 2021	VIT Vellore Institute of Technology, Chennai
Department of Mathematics	Ten days Online Faculty Development Programme	Applications of Mathematics and Programming in Science and Technology	01 June 2021 to 11 June 2021	Karunya Institute of Science and Technology Coimbatore.
School of Social Sciences and Languages	online FDP	Digital Tools in Teaching	30 th June 2021	VIT Vellore Institute of Technology, Chennai
Department of Mathematics	Two days Online Faculty Development Programme	Teaching Learning Process Through Revised Blooms Taxonomy	July 1-2,2021	Department of Science and Humanities Dr.N.G.P. Institute of Technology, Coimbatore.
IQAC	10 days national level FDP	Pedagogy of Teaching and Tools on E Content Development for Effective Teaching	05.07.2021-14.07.2021	Christopher Arts and Science College, Tirunelveli .
Department of Computer science	Two week international FDP	The ERA of Change- Recent advancement of machine learning in terms of AI & IOT	12.07.221 to 25.07.2021	Department of Computer Science, SRM Institute of Science and Technology, Ramapuram, Chennai .
Department of Mathematics	FDP	Cognizant of Mathematical Software and its Applications	21.10.2021 and 22.10.2021	RD National College of Arts and Science ,Erode
Department of Mathematics	e-Short Term Training Programme	Algebra and Analysis	December13-18,2021	College of Engineering and Technology,

				SRM Institute of Science and Technology, Kattankulathur
Department of Mathematics	Three days national level Virtual FDP	Graph Theory	21.12.2021 to 23.12.2021	Vellalar College for Women.Erode-12
PG & Research Department of Mathematics	Faculty Development Programme	Mathematics and Its Applications	23.03.2022 to 03.03.2022	V.O.Chidhabaram College Thoothukudi
Department of Mathematics,	Two week online international FDP	Current Trends in Applications of Mathematics	21.09.2022 to 04.10.2022	School of Science and Humanities, Vel Tech Ramanujan Dr.Sagunthala R &D institute of Technology, Avadi, Chennai

Teaching Experience:

Course Taught	Name of the University/College/ Institution	Duration
UG and PG Mathematics	Sri Sarada Niketan college of science for Women, Karur.	2000-2004
Polytechnic Mathematics	Christian Polytechnic college, Oddanchatram.	2004-2009
UG Mathematics	Arulmigu Palaniandavar Arts College for Women, Palani	2009 to till date

Number of research papers published: 8

Mildly Ig^* -closed sets, International Journal of Current Research in Science and Technology, 2(12)(2016), 9-17.ISSN NO 2394-5745
$Ig^\#$ -normal and $Ig^\#$ -regular spaces, International Journal of Current Research in Science and Technology, 2(11)(2016),1-10. ISSN NO 2394-5745

<p>$\delta g \omega \alpha$ - CLOSED SETS IN TOPOLOGICAL SPACE IAETSD Journal For Advanced Research in Applied Sciences, VOLUME 5, ISSUE 4, APR/MAR/2018, Page no. 395-404.(UGC Approved Journal-63188) ISSN NO: 2394-8442 Impact factor : 5.8</p>
<p>g^*p^*-Closed set in Topological Spaces. Zain Publications, International Journal of Research in Information Technology ,Volume–2 ,Issue 4, Apr 2018, Pg:22-31. ISSN(Online) – 2001-5569, UGC Approved Journal, Impact Factor :1.021</p>
<p>$(\psi^*g^*)^*$- Closed Sets in Topological Spaces International Journal of Mathematical Archive – 9(6), 2018, 86-91. ISSN 2229-5046.</p>
<p>On Pre Generalised Star b-Closed Set In Topological Spaces IAETSD Journal For Advanced Research in Applied Sciences, VOLUME 5, ISSUE 4, APR/2018, Page no. 322-327(UGC Approved Journal-63188) ISSN NO: 2394-8442 Impact factor : 5.8</p>
<p>ON $(g\alpha r)^*$ CLOSED SETS IN TOPOLOGICAL SPACES International Journal of Recent Scientific Research Vol. 10, Issue, 11(E), pp. 36068-36070, November, 2019, ISSN: 0976-3031 DOI: http://dx.doi.org/10.24327/ijrsr.2019.1011.4230</p>
<p>On α^g -Closed Sets in Topological Spaces, Journal of Xi'an Shiyou University, Natural Science ISSUE 7, July 2020, ISSN:1673-064X VOLUME 16 ISSUE 7, Page: 184-193</p>