

NEHRU MEMORIAL COLLEGE (AUTONOMOUS)**PUTHANAMPATTI-621007****STAFF PROFILE**

NAME OF THE STAFF : Dr. P. Kavitha
DESIGNATION : Assistant Professor
DEPARTMENT : Mathematics

**1. CONTACT**

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2. ACADEMIC QUALIFICATIONS

Degree	College/University/Board	Year of Passing/ Awarded
Ph.D	Nehru Memorial College, Tiruchirappalli	2019
SET	Bharathiar University	2012
B.Ed	Dr. S. R. J. College of Education, Thanjavur	2009
M.Phil	A.V.V.M Sri Pushpam College, Thanjavur	2008
M. Sc	Seethalakshmi Ramaswami College, Tiruchirappalli	2007
B. Sc	Seethalakshmi Ramaswami College, Tiruchirappalli	2005

3. TEACHING EXPERIENCE

S. No.	Institution	Duration	No. of Years	
			UG	PG
1	Nehru Memorial College, Tiruchirappalli	June 2014 to till date	7 Years 6 months	
2	Pavendar Bharathidasan College of Engineering and Technology, Tiruchirappalli	February 2012 to November 2012	10 months	
3	Urumu Dhanalakshmi College, Tiruchirappalli	June 2009 to January 2012	2 ½ years	2 ½ years

4. RESEARCH EXPERIENCE (in years) : 6

5. AREA OF RESEARCH : Graph Theory

6. RESEARCH GUIDANCE (In Numbers)**

Program of Study		Completed	Ongoing
Research	Ph. D.		
	M. Phil.	11	
Project	PG		

7. PUBLICATION(S) (In Numbers)**

Journal(s)		Proceeding(s)		Book(s) / Chapter(s) / Monograph(s) / Manual(s)
International	National	International	National	
5	2		1	

Cumulative Impact Factor (as per JCR)	14.124
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8. PRESENTATION(S) (In Numbers)**

Events	International	National
Conference(s)	2	5
Seminar(s)		2

9. PARTICIPATION (In Numbers)**

Events	International	National
Conference(s)	2	5
Seminar(s)		2
Workshop(s)		3
Symposium(s)		1
Webinar(s)		5

10. PROFESSIONAL DEVELOPMENT (In Numbers)**

Orientation Programme(s)	Refresher Course(s)	Faculty Development Programme(s)
3	2	9

11. DISTINCTIVE ACHIEVEMENT(S) / RECOGNITION(S) / AWARD(S)

1. Received RULA AWARD for International Innovation and Betterment Excellence in Technical Research – **Outstanding Scientist in Mathematics** in the year November 2018.

12. ACADEMIC / ADMINISTRATIVE RESPONSIBILITIES HELD

At Nehru Memorial College, Puthanampatti (From June 2014)

1. NSS Programme Officer from 1.12.2014 to 1.12.2017
2. Member of MQAC
3. Bridge course taken for first year Physics and Chemistry students
4. Remedial Classes were conducted for the failure students in the semester examinations.
5. Coordinate the Inter and Intra Collegiate competitions held under RAMFEST celebrations.
6. Coordinator of organizing Two Day National workshop on “ R Programming” (Sep 25-26, 2015)

13. SERVED AS A RESOURCE PERSON (INVITED TALKS / GUEST LECTURES)

1. Acted as a resource person for the Student Development Training Programme on “**R Programming**” organized by Nehru Memorial College, Puthanampatti, Trichy on 12.12.2015.

14. EXTENSION ACTIVITIES / OUTREACH PROGRAMME

S. No	Title	Place	Date	Beneficiaries
1	“Health, Public Sanitation and Personal Hygiene” Seven Days Special Camp for NSS students	T. Kalathur and Elandhalaipatti	12.02.2017 to 18.02.2017	Village People
2	Cashless Transaction and Its Benefits	Nehru Memorial College	28.12.2016	NSS Students
3	Three days Heartfullness meditation training	Nehru Memorial College	14.12.2016 to 16.12. 2016.	NSS Students
4	Voluntary Blood Donation Camp	Nehru Memorial College	09.09.2016	
5	International Youth Day	Nehru Memorial College	12.08.2016	NSS Students

6	“Health, Public Sanitation and Personal Hygiene” Seven Days Special Camp for NSS students	T. Kalathur and Elandhalaipatti	16.03.2016 to 22.03.2016	Village People
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15. DETAILS OF RESEARCH GUIDANCE

M. Phil. (Completed)			
S. No.	Name	Title of thesis	Year of award
1	K. Anbu Ezilarasi (P18HM0007)	The Domination and Independent Domination	2020
2	P. Deepalakshmi (P18HM0010)	The Connected Domination Number and its Bounds of Graphs	2020
3	K. Dhaneshkumari (P18HM0011)	The Partial Domination Numbers of Graph	2020
4	A.Kavitha (P18HM0017)	The Total and Total Strong Split Domination Number of Graphs	2020
5	M. Nithya (P18HM0019)	The Split and Non- Split Domination Number of Graphs	2020
6	B. Sumathi (P18HM0023)	The Maximal Domination Number in Graphs and Digraphs	2020
7	T. Gunaraja (P18HM0038)	The Vertex-Edge Domination Number in Graph	2020
8	R. Raja (P18HM0048)	The Weak Edge Roman Domination Number in Graphs	2020
9	T.Gnanambikai (17PHM006)	The Roman Domination and Roman Power Domination in Graphs	2018
10	M.Kayalvizhi (17PHM007)	The subdivision Roman Domination and Subdivision Roman Power Domination Number in Graphs	2018

11	S.Yogalakashmi (17PHM010)	The Line Roman Domination and Line Roman Power Domination in Graphs	2018
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16. DETAILS OF PUBLICATIONS

(a) JOURNAL(S)

S. No.	Name of the author/s	Title of the paper with e-link	National/ International	Name of journal	Volume Page No & Year	ISSN
1.	Dr. V. Mohana Selvi P. Kavitha	Legendary Line Domination in $L(L(G))$ http://www.ijrat.org/	International	International Journal of Research in Advent Technology	Vol.6, No.8, pp 2118 - 2124, August 2018 (IF: 3.76) (UGC Approved No. 48768)	E-ISSN: 2321-9637
2.	Dr. V. Mohana Selvi P. Kavitha	Domination of line neighbourhood graphs https://acadpub.l.eu/jsi/2017-113-pp/issue5.html	International	International Journal of Pure and Applied Mathematics	Vol.113, No. 13, pp 343-351, 2017 (IF: 7.19) (UGC Approved No. 23425)	ISSN(O): 1311-8080; ISSN(P): 1314-3395
3.	Dr. V. Mohana Selvi P. Kavitha M. Durka Devi	The non-split complement line domination in graphs http://www.rgnpublications.com/journals/index.php/jims/article/view/761	International	Journal of Informatics and Mathematical Sciences	Vol. 9, No. 3, PP 557-570, 2017 (Thomas Reuters)	ISSN: 0975-5748(O), 0974-875X(P),
4.	Dr. V. Mohana Selvi P. Kavitha	The split complement line domination in graphs http://aarf.asia/copyright.php	International	International Research Journal of Mathematics, Engineering and IT	Vol.3, Issue-10, pp 47-62, October 2016, (IF:3.563)	ISSN: 2349-0322

5.	Dr. V. Mohana Selvi P.Kavitha	The legendary complement domination in graphs	National	Bulletin of Pure and Applied Mathematics	Vol.1(1), pp14-25, 2016	ISSN:
6.	Dr. V. Mohana Selvi P.Kavitha	The legendary domination in graphs	International	International Journal of Scientific & Engineering Research	Volume 7, Issue 3, pp 42-45, March 2016 (IF: 3.2, Thomas Reuters)	ISSN: 2229-5518
7.	Dr. V. Mohana Selvi P.Kavitha	The cycle neighbourhood domination in graphs	National	Jamal Academic Research Journal : an Interdisciplinary	Special Issue, pp 37-46, February 2016.	ISSN: 0973-0303

(b) PROCEEDING(S)

S. No.	Name of the author/s	Title of the paper	National/ International	Name of Conference	Page No & Year	ISBN
1	Dr. V. Mohana Selvi and P. Kavitha	Dual Legendary Domination In Graphs	International	Proceedings of Heber International Conference on Applications of Actuarial Science, Mathematics, Management and Computer Science	pp 65-75, 2016.	ISBN: 978-73-80767-60-4

17. DETAILS OF PRESENTATION(S)

(Conference(s) / Seminar(s))

S. No.	Name of the Paper	Name of the Conference / Seminar	National/ International	Place	Duration/ Date
1	The split line neighbourhood domination in graphs	International conference on algebra and discrete mathematics	International	Department of Mathematics-DDE Madurai Kamaraj University, Madurai	January, 2018

2	The Line Complement Domination in Graphs'	Two day national Seminar on Topology and its Applications in various fields "NSTA17"	National	Seethalakshmi Ramaswami College, Tiruchirappalli	9 th and 10 th February, 2017.
3	Domination of line neighbourhood graphs'	National level Conference on Mathematical Techniques and Applications	National	SRM University, Katakulathur, Chennai	27 th and 28 th January, 2017.
4	Dual Legendary Domination in Graphs	Heber International Conference on Applications of Actuarial Science, Mathematics, Management and Computer Science	International	Bishop Heber College, Tiruchirappalli.	27 th – 30 th November, 2016
5	The Non -Split Complement Line Domination in Graphs	National level Conference on Current Scenario in Pure and Applied Mathematics	National	Kongunadu arts and science College, Coimbatore	22 nd and 23 rd December, 2016
6	The legendary complement domination in graphs	A National Conference on Bridging Innovative Trends in Pure and Applied Mathematics	National	Bannari Amman Institute of Technology, Erode	July, 2016
7	The Legendary Domination in Graphs	National Conference on Energy of Graphs	National	Maharani's Science College for Women, Mysuru	March 11-12, 2016
8	The Cycle neighborhood domination in Graphs	National level conference on graph theory, fuzzy graph theory and their applications NCOFGA 2016.	National	Jamal Mohamed College (Autonomous), Trichirappalli.	February 10-11, 2016.
9	The Cycle Complement domination in Graphs	National seminar on Recent Trends in Applied Mathematics	National	Mannar Thirumalai Naicker College, Madurai	August 14, 2015

18. DETAILS OF PARTICIPATION**(Conference(s) / Seminar(s) / Workshop(s) / Symposium(s) / Webinar(s))**

S. No.	Name of the event(s)	Sponsored by	Conducted by	Place	Duration/ Date
Conference(s)					
1	National level Conference on Mathematical Techniques and Applications	SRM University.	Department Of Mathematics, SRM University.	Chennai	January,2017
2	Heber International Conference on Application of Actuarial Science, Mathematics, Management and Computer Science	Bishop Heber College, Trichy	Department Of Mathematics, Bishop Heber College, Trichy	Tiruchirappalli	November, 2016
3	A National Conference on Bridging Innovative Trends in Pure and Applied Mathematics	Bannari Amman Institute of Technology	Department of Mathematics, Bannari Amman Institute of Technology	Erode	July, 2016
Seminar(s)					
1	Two day national Seminar on Topology and its Applications in various fields “NSTA17”	UGC	Department Of Mathematics, Seethalakshmi Ramaswami College, Trichy	Tiruchirappalli	February, 2017
Workshop(s)					
1	Two Day National Workshop on R Programming	Nehru Memorial College	Abel Interdisciplinary Cell Pg & Research Dept. of Mathematics	Puthanampatti	Sep 25-26, 2015
2	Two day Workshop on ‘Need Based Value added Research Proposal Writing’	Nehru Memorial College	Internal Quality Assurance Cell of Nehru Memorial College	Puthanampatti	September 25-26, 2014
3	Two day Workshop on LATEX	Nehru Memorial College	Abel Interdisciplinary Research Cell,	Puthanampatti	July 18-19, 2014

			PG & Research Dept. of Mathematics, Nehru Memorial College		
Symposium(s)					
1	One Day Symposium on Mathematical Modelling	Nehru Memorial College	Abel Interdisciplinary Cell Pg & Research Dept. of Mathematics	Puthanam patti	Sep 11, 2015
Webinar(s)					
1	Mathematical Modelling for Science and Engineering	PG and Research Department of Mathematics, Cauvery College	PG and Research Department of Mathematics, Cauvery College	Trichirapp alli	02.05.2020
2	An Introduction to Domination in Graph Theory	KG College of Arts and Science	KG College of Arts and Science	Coimbatore	05.06.2020
3	Fundamental Understanding of Fuzzy Graphs	Department of Mathematics, Imayam Arts and Science College,	Department of Mathematics, Imayam Arts and Science College,	Kannanur	18.07.20 20
4.	Recent Advancements in Graph Theory	Department of Mathematics, Hemchandracharya North Gujarat University	Department of Mathematics, Hemchandracharya North Gujarat University	Patna	16.6.2020
5	COVID-19: Disinfection and Post Pandemic Human Health Challenges	Nehru Memorial College, Puthanampatti	Nehru Memorial College, Puthanampatti	Tiruchirappalli	08.06.20 20

19. DETAILS OF PROFESSIONAL DEVELOPMENT

(Orientation / Refresher Course / FDP / Short Term Course / Online Course)

S. No.	Name of the events	Sponsored by	Conducted by	Place	Duration/ Date
Orientation Programme					
1	Orientation Programme	Nehru Memorial College	Internal Quality Assurance Cell of Nehru	Puthanam patti	June, 2016

			Memorial College		
2	85 th Orientation Programme	UGC	UGC-Academic Staff College, Bharathidasan University,	Tiruchirappalli	06.11.2014 to 03.12.2014
3	NSS Orientation Course	National Service Scheme, Government of India	Empanelled Training Institution, Madras School of Social Work	Chennai	18.10.2016 to 24.10.2016
Refresher Course					
1	Refresher course in Mathematics	UGC	UGC-Academic Staff College, Bharathidasan University,	Tiruchirappalli	13.07.2018 to 02.08.2018
2	Refresher Course in Mathematics	Teaching Learning Centre, Ramanujan College and Department of Mathematics, Ramanujan College	Teaching Learning Centre, Ramanujan College and Department of Mathematic, Ramanujan College	University of Delhi, Delhi	16-03-2021 to 30-03-2021
Faculty Development Programme					
1	Outcome Based Education: Mapping and Rubrics	Nehru Memorial College	Nehru Memorial College	Puthanam patti	May 20 & 21, 2021
2	Online Teaching, Learning and Evaluation	Nehru Memorial College	Nehru Memorial College	Puthanam patti	August 10 & 11, 2020
3	Participated Two day Faculty Development Programme.	Nehru Memorial College	Interdisciplinary Research Cell, PG & Research Dept. of Mathematics, Nehru Memorial College	Puthanam patti	June 11 & 12, 2018.
4	FDP on Effective Teaching	Nehru Memorial College	IQAC, Nehru Memorial College	Puthanam patti	June 12, 2017
5	FDP on Soft Skill	Nehru Memorial College	Internal Quality Assurance Cell of	Puthanam patti	December, 2016

			Nehru Memorial College		
6	Faculty Development Programme on Revisiting Examination System in the Current Scenario	Nehru Memorial College	Interdisciplinary Research Cell, PG & Research Dept. of Mathematics, Nehru Memorial College	Puthanam patti	March 19, 2016
7	FDP on Sustenance/Enhancement of Quality in Higher Education	Nehru Memorial College	IQAC, Nehru Memorial College	Puthanam patti	August 5, 2015
8	One day FDP on 'Analysis'	Nehru Memorial College	Abel Interdisciplinary Research Cell, PG & Research Dept. of Mathematics, Nehru Memorial College	Puthanam patti	October 29, 2014
9	One day FDP on 'Impact of Research on Teaching in Higher Education'	Nehru Memorial College	IQAC, Nehru Memorial College	Puthanam patti	June 11, 2014