FACULTY DETAILS:

Name	:	**Dr.T.RAMACHANDRAN**
Designation	:	Assistant Professor and Head
Qualification	:	MSc.,Ph.D.,
Department	:	Mathematics
Present position held	:	Assistant Professor
D.O.B	:	12.05.1963
Permanent address	:	135/2, M.V.M.Nagar,Dindigul – 624001.

Mail :yasrams@gmail.com

Cell : 98650 55955

Educational Qualification:

Degree	Year of Passing	Subject	Institution	Marks/Grade/Class-obtained
Ph.D.,	1999	Operations Research	Gandhigram Rural University	Highly Commandable
M.Sc.,	1985	Mathematics	Madurai Kamaraj University	81%
B.Sc.,	1983	Mathematics	Gandhigram Rural University	81% (University 2 nd rank)

List of publications:

Books Published

1.	Numerical Methods with Program in C and C++ (Ascent Series) – Tata

	McGraw Hill Publishing Company, NewDelhi,2003.

2.   Theory and Problems in Numerical Methods (TMH outline Series) – Tata McGraw Hill Publishing

        Company, NewDelhi,2003.

Research Papers presented in conferences

S.No	Title of the Paper	Title of the Seminar	Date and Venue
1	N-Factor Marriage Problem Using SMA	International Conference on Mathematical Methods and Computation	Jamal Mohamed College (Autonomous), Tiruchirappalli, India, 13-14 Feb. 2014
2	Cyclic Three Dimensional Matching Problems	International Conference on Mathematical Sciences	Sathyabama University, Chennai, 17-19 July, 2014.
3	Satisfactory Roommates Problem with Triple Rooms	International Conference on Mathematical Methods and Computation	Jamal Mohamed College (Autonomous), Trichy during 13-14,Feb. 2014
4	N Factor Satisfactory Roommates Problem	International Conference on Mathematical Sciences	Sathyabama University, Chennai, 17-19 July, 2014.
5	Strong Dominating χ-Color Number of Graph	International Conference on mathematics (ICM)	Kochin, Kerala, India 09-10,Aug. 2013
6	An N- Flow Graph Approach for solving Non-Homogeneous Linear Equation	International Conference on Mathematics and Computer Science	2011

7	Strong and Weak-Dom-Color Number of a K-Partite Graph	National Seminar on Recent Trends in Applications of Mathematical Sciences (RTAMS-2011)	Vellaler College, Erode. from 27.1.2011 to 28.1.2011
8	Dominator Coloring Number of Middle Graph	National Conference on Mathematical Analysis and Application (NCMAA-2011)	K.S.Rangasamy College of Arts and Science, Tiruchengode. from 12.08.2011 to 13.08.2011
9	Strong and Weak-Dom-Color Number of Graph	National Conference on Recent Trends in Mathematics and Its Applications (RTMA-2011)	Alagappa University, Karaikudi. 22.12.2010

Research Papers Published in International/ National Journals

Number of Research Papers Published : International / National : 43

S.No.	Title of the Paper	Name of the Journal	Vol./No./Year/Page No.
1	Octahedral Sum Labeling Graph	International Journal of Scientific Research	Vol.5, Issue 5, May 2016
2	The Cycle satisfactory Roommates problem,	Annals of Pure and Applied Mathematics	Vol.9, No.2, 2015 177-181.
3	Dominating χ Color Number of Generalised Petersen Graph	International journal of Advanced Technology in Engineering and Science	Vol. 3, Issue 8, Augest 2015,118 - 122
4	Strong Dominating χ Color Number on Sum and Cartesian Product of Graph	International journal of Advanced Research in Science and Engineering	Vol. 4, Issue 8, Augest 2015,132 - 137
5	Characterization of Strong and weak dominating χ-color number of a graph	International Journal of Scientific and Technology Research	Vol.4,Issue 10,October 2015

6	Dominator coloring number of some graphs	International Journal of Scientific and Research publications	Vol.5,Issue 10, October 2015
7	Dominating - Color Number of Harary Graph	International Journal of Science and Research(IJSR)	Vol.4, Issue 3, March 2015
8	Variants of Cyclic Three Dimensional Matching Problem	Annals of Pure and Applied Mathematics	Vol.9, No 02, 2015, 201-204
9	Weighted N-Factor Satifactory Roommates Problem	Indian Journal of Applied Research	Vol.05, Issue 02, February - 2015
10	Variants of Weighted N-Factor Marriage Problem using SMA	International Journal of Engineering Research & Technology(IJERT)	Vol.4, Issue 02, February - 2015
11	Variants of N-Factor Satisfactory Roomates Problem	International Journal of Engineering Research & Technology(IJERT)	Vol.4, Issue 01, January - 2015
12	A Note on Fuzzy PS –Ideals in PS-Algebras and its level subsets	International Journal of Advanced Mathematical Sciences	Vol. 2, No. 2, 2014, 101-106
13	Homomorphism and Cartesian product of Fuzzy PS-Algebras	Applied Mathematical Sciences	Vol.8, No.67, 2014, 3321-3330
14	Some properties of fuzzy dot PS-sub algebras of PS-algebras	Annals of Pure and Applied Mathematics	Vol.6, No.1, 2014, 11-18
15	Some Characterization of Anti fuzzy PS-ideals of PS-algebras in Homomorphism and Cartesian Products	International Journal of Fuzzy Mathematical Archive	Vol.4, No.2 , 2014 ,72-79.
16	Anti fuzzy PS-ideals in PS-algebras and its level subsets	International Journal of Mathematical Archive	Vol.5, No.4 , 2014 , 156-162
17	A Note on Anti Q -fuzzy R-closed PS-ideals in PS-algebras	Annals of Pure and Applied Mathematics	Vol.6, No.2, 2014, 150-159

18	Classification of PS-algebras	International Journal of Innovative Science,Engineering and Technology	Vol. 1, No.7, 2014, 193 - 199
19	Homomorphism and Cartesian product on Fuzzy translation and Fuzzy Multiplication of PS-algebras	Annals of Pure and applied Mathematics	Vol. 8, No.1, 2014, 93 -104.
20	Normalization of Fuzzy PS-ideals and Fuzzy PS- sub algebras of PS - algebras	Research Journal of Mathematics	Vol. 1, No.4, 2014, 1-12
21	Fuzzy translation and Fuzzy multiplication on PS-algebras	International Journal of Innovation in Science and Mathematics	Vool.2, No.5, 2014, 485-489.
22	Anti Q-Fuzzy R-Closed KU-ideals in KU-algebras and its lower level cuts	International Journal of fuzzy Mathematical archive	Vol.4, No.2, 2014, 61-71.
23	Optimal Matching Using SMA	Journal of Information and Optimization Sciences	Vol.35, No.4, 2014, 359-372
24	Dominator coloring number of Middle Graph	IOSR Journal of Mathematics	Vol. 10, Issue 6, 2014, 38-40.
25	Weighted N-Factor Marriage Problem using SMA	International Journal of Scientific Research	Vol.3, Issue 12, 2014, 1-3.
26	Popular Satisfactory Matching Problem	Indian Journal of Applied Research	Vol.04, Issue 12, 2014, 556-558.
27	Satisfactory Roommates Problem with Ties, Ties and Incomplete List	International Journal of Scientific Research	Vol. 3, Issue 10, October 2014
28	Strong and Weak Dominating-χ-color number of k-partite graph	International journal of Advanced Technology in Engineering and Science	Vol. 2, No.9, Sep.2014, 35-38
29	Solution of algebraic and transcendental Equations using Extended iterative Methods	MVM Journal of Research	Vol. 1 Feb. 2014,111-117

30	Super Triangular Graceful labeling of the Graph	MVM Journal of Research	Vol. 1 Feb. 2014,118-128
31	On Some Properties of Anti-Q-fuzzy Normal Subgroups,	General Mathematics Notes	Vol. 20, No.2, Feb. 2014, 1-8
32	Strong and Weak Dominating χ-Color Number of some Graph	Journal of International Multidisciplinary Research Foundation	Vol.2, Issue 2, 2013
33	On Q-Fuzzy Normal Subgroups	International Journal of computer & Organization Trends	Vol. 3,Issue 11, Dec. 2013,574-578
34	A note on anti Q-fuzzy KU-sub algebras and homomorphism of KU-algebras	Bulletin Of Mathematics and Statistics Research	Vol. 1(1),2013, 42-49.
35	Satisfactory Roommates Problem with Incomplete List.	International Journal of Computational Science and Mathematics.	Vol.4, No.1, 2012,19-22
36	Satisfactory Marriage Problem	International Journal of Computational Science and Mathematics	Vol.4, No.1, 2012, 23-27
37	Anti Fuzzy Ideals of CI-algebras and its lower level cuts	International Journal of Mathematical archive	Vol. 3, No.7, July 2012 ,2524-2529.
38	Anti Fuzzy Sub algebras and Homomorphism of CI-algebras	International Journal of Engineering Research & Technology	Vol. 1 , issue 5, July 2012, 1 – 6
39	Anti Q-Fuzzy KU-Ideals of KU- algebras and its lower level cuts	International Journal of Engineering Research and Applications	Vol. 2, issue 4 , June 2012 , 1286 – 1289.
40	Anti fuzzy T ideals of TM-algebras and its lower level cuts	International Journal of Computer Applications	Vol. 43, No. 22, April 2012 ,17-22.
41	Best optimal stable matching	Applied Mathematical Sciences	Vol. 5, No. 75, 2011, 3743–3751.

42	Satisfactory Roommates problem.	International Journal of Mathematical Archives	Vol.2, No.9, 2011, 1679-1682.
43	Maximal Complete n-partite Graph	International journal of Mathematics and Computations	Vol. 5, 112-120, Dec. 2009

Research experience:

Nature of Research	Designation	From	To	Total Years
MNES – TEDA Project	Data Analyst	1994	1999	5 years

Orientation Course attended

1. Orientation Course – "Intensive Training Programme for newly recruited

    Government College Lecturers" conducted by University Grants Commission – Academic Staff College, University of Madras , held from   26th December 2007 – 24th January 2008.

Refresher Course attended

1. Conducted by University Grants Commission – Academic Staff College, Madurai

    KamarajUniversity , Madurai, held from   1stFebruary 2012 – 21thFebruary 2012.

2. Conducted by University Grants Commission – Academic Staff College, Madurai

    KamarajUniversity, Madurai, held from 25 November 2015 –15 December   2015

Subjects taught

M.Phil.,   Research Methodology   Advanced topics in Graph Theory

PG   Optimization models   Numerical methods with C++

               Statistical Methods   Mathematical Foundation of Comp. science

               Classical Mechanics   Graph Theory

               Algebra   Discrete Mathematics

UG   Operations Research   Ordinary Differential Equation

               Partial Differential Equation   Graph Theory

Automata Theory Grammars and Languages

Algebra   Discrete Mathematics

Differential Calculus   Probability and Statistics

Fourier Series and Transforms   Sequence and Series

Analytical Geometry

Computer Skills

Operating Systems   -   DOS, Windows XP

Languages   -   C, C++, JAVA

Software   -   MS Office, Adobe Pagemaker, CoralDraw,

Academic Software   -   LINDO, LINGO,SSPS, MATHEMATICA

Research Guidance

Degree	Total Number of Students		
	Degree awarded	Viva to be conducted	Doing
Ph.D.,	6	-	2
M.Phil.,	34	3	
M.Sc., Project	13	3	

Research Scholars Details

S.No	Name	Title	University	Year Submission	Status
1	D.Balaji	Project based organizational Teaching and Learning for Process Improvement: An Empirical Study in	Vinayaga Mission University, Salem.	Aug-08	Degree Awarded.

		Software companies			
2	T.Priya Reg.No.45135	Some Characterization of PS Algebras	Bharathidasan University, Government Arts College, Karur.	Nov-14	Degree Awarded.
3	K.Velusamy Reg.No.08151	A Study of Satisfactory Marriage Problem	Bharathidasan University, Government Arts College, Karur.	Sep-16	Degree Awarded.
4	T.Selvakumar Reg.No.08152	A Study of Satisfactory Roommates Problem	Bharathidasan University, Government Arts College, Karur.	Jan-17	Degree Awarded
5	A.Naseer Ahmed Reg.No.08175	Domination and Coloring in Graphs	Bharathidasan University, Government Arts College, Karur.	Jul-16	Degree Awarded
6	P.Parimala Reg.No.45135	Evaluation of Numerical Integrals Using New methods with Error Analysis	Bharathidasan University, Government Arts College, Karur.	Apr-17	Degree Awarded

Details of Research Guidance - M.Phil - Guided and Degree Awared

Name : Dr.T.Ramachandran   Department : Mathematics

S.No	Title of Dissertation	Name of the Candidate	University	Month of submission	Status
1	Graphs with Equal Domination, 2- Domination and Connected Domination Numbers	K.AyesaBeevi (Reg no: B2811001)	Madurai Kamaraj University	June,2013	Degree Awarded
2	On Vertex Domination Polynomial and Edge Domination Polynomial of a	J.Usha (Reg no:	Madurai Kamaraj	June,2013	Degree Awarded

		B2811013)	University		
3	Distance k-Domnation and Connected Distance k-Domination Number of a Graph	M.Mahalakshmi (Reg no: A9821305)	Madurai Kamaraj University	July,2013	Degree Awarded
4	Set Domination and Point set Domination Number in Graph Theory	J.AntonyJustina Mary (Reg no: A7811501)	Madurai Kamaraj University	April,2008	Degree Awarded
5	On Vertex Magic, Edge magic, Total Edge Magic and Super Edge Magic of Graphs	X.MariaRajendran (Reg no: A8811610)	Madurai Kamaraj University	April,2009	Degree Awarded
6	On Connected Cutfree Domination in Garphs	I.BrittoArockiadoss (Reg no: A8811607)	Madurai Kamaraj University	April,2009	Degree Awarded
7	An Upper Bound for the Path Number of a Graph	R.Janani (Reg no: A8811604)	Madurai Kamaraj University	April,2009	Degree Awarded
8	Marriage problems in Egalitarian society	S.BrittoAmalraj (Reg no: 0A8811601)	Madurai Kamaraj University	April,2009	Degree Awarded
9	NorDhaus-Gaddum Inequalities Relating various parameter of graphs	S.Saleem Raja (Reg no: B3811221)	Madurai Kamaraj University	May, 2014	Degree Awarded
10	Sensitivity Analysis in Linear Programming	M.Vasavi (Reg no: 08MM05)	Bharathidasan University (Govt. Arts College, Karur-Autonomous)	December, 2009	Degree Awarded
11	An Upper Bound for the Path Number of a Graph	U.Kathiravan Suresh (Reg no: B0850063)	Madurai Kamaraj University	April, 2011	Degree Awarded

12	Fractal Analysis of Images	R.Lalitha (Reg no: 08511098)	Gandhigram Rural Deemed University	December, 2009	Degree Awarded
13	Largest planar graphs and largest maximal planar graphs of diameter two	S.Baskar (Reg no: B0850059)	Madurai Kamaraj University	June, 2011	Degree Awarded
14	Linear multiple objective transportation problem	K.Pradeepa (Reg no: 09MM66)	Bharathidasan University	April, 2011	Degree Awarded
15	Connected cut free domination and equal domination numbers	T.Ramadevi (Reg no: B0850055)	Madurai Kamaraj University	April, 2011	Degree Awarded
16	Study of vertex cover chromatic number of graph	M.Selvarani (Reg no: B2811009)	Madurai Kamaraj University	April, 2013	Degree Awarded
17	Vertex magic and edge magic labeling of graphs	M.Sivasubramaniam (Reg no: A9821321)	Madurai Kamaraj University	May. 2013	Degree Awarded
18	Open neighbourhood locating-dominating sets in graphs	T. Manoharan (Reg no: B4811271)	Madurai Kamaraj University	June, 2015	Degree Awarded
19	Locating-chromatic number of some special graphs	R.Aravindhan (Reg no: B4811266)	Madurai Kamaraj University	June, 2015	Degree Awarded
20	Bounded and unbounded clique width of graphs	M.Kalaiselvi (Reg no: B4811256)	Madurai Kamaraj University	May. 2015	Degree Awarded
21	A study on shortest path algorithms in graph theory	M.Revathi Devi (Reg no: B3811213)	Madurai Kamaraj University	April, 2014	Degree Awarded
22	Strong domination and weak domination in a graph	M.Kaladevi (Reg no: B1811305)	Madurai Kamaraj University	April, 2012	Degree Awarded
23	A study on rainbow domination in graphs	S.ChristinRajam (Reg no: B1811301)	Madurai Kamaraj University	April, 2012	Degree Awarded

24	Connected, set, point set domination numbers of graph	R.Vani (Reg no: B3811216)	Madurai Kamaraj University	July, 2014	Degree Awarded

Research Experience

- Served as a Data Analyst in the TEDA- MNES Project "Biomass Assessment Study" for 4 Taluks during 1994 – 1999 in Gandhigram University.

- Reviewed Conference papers: Conference conducted by theDepartment of Mathematics, Mepco Engineering College, Sivakasi in 2010.

- Doctoral Committee member for the Ph.D Research scholar doing research in Bharathidasan University, Gandhigram University.

- Approved Research Guide in Bharathidasan University, Bharatiyar University, Gandhigram University, Alagappa University, Annamalai University, Vinayaga Mission University, Dravidian University.

Papers Presented

International: 6   National: 12

Special Lectures Delivered

Special lectures were delivered on various topics of Mathematics in Various educational institutions such as

- Mepcoschlenk Engineering College, Sivakasi.
- PSNA College of Engineering and Technology, Dindigul.
- ULTRA College of Engineering and Technology for women, Madurai.
- NPR College of Engineering and Technology, Natham.
- SreeSowdambika College of Engineering, Arupukkottai.
- Vellamal College of Engineering, Madurai.
- Government Arts College, Kulithalai.
- Cheran College of Engineering, Karur.

- Sri Saradaniketan College for science for women, Karur.

- SSM Institute of Engineering and Technology, Dindigul.

- Annaicollege of Arts and Science, Karur.

- Arul Murugan College of Engineering, Karur.

- St. Antony's College for women, Dindigul.

- Cheran College of Arts and Science, Karur.

Etc.,

Honours and Activities

- Served as Staff Advisor – Mathematics Club in R.V.S.College of Engineering and Technology, Dindigul.

- Served as Coordinator "Tamil Peravai" in R.V.S.College of Engineering and Technology, Dindigul during 1988 – 1999

- Served as N.S.S Programmer Officer (Unit No: 83) during 1990 and 1994, in R.V.S.College of Engineering and Technology, Dindigul during 1988 – 1999 and conducted three special camps (10 days) and several one day camps.

- Served as Coordinator "Tamil Peravai" in R.V.S.College of Engineering and Technology, Dindigul during 1988 – 1999

- Acted as Additional Chief Superintendent for Madurai Kamaraj University Examinations conducted at R.V.S.College of Engineering, Dindigul during 1989 – 1995.

- Acted as Chief Superintendent for Anna University Examinations conducted at R.V.S.College of Engineering, Dindigul during 2000 – 2004.

- Attended duty as Anna University Representative and Anna University Officer in Various centers of Anna University

- Attended Various Faculty Development Programmes as Resource person to train the faculty in Probability and Statistics.

- Approved guide for MPhil and Ph.D., Programmes in Alagappa University, Gandhigram University, Bharadhidasan University, Madurai Kamaraj University, AnnamalaiUniversity andVinayaga Mission University.

- Acted as ISO Coordinator

Membership

LISTE – Life Member in Indian Society for Technical Education.

Member Board of Studies, Mother Teresa University, Kodaikanal.

Coordinator IQAC – M.V.M. Govt. Arts College, Dindigul

Details of Teaching Experience

Total teaching Experience   : UG   - 33yrs 1 Mon;   PG - 27yrs

From 20.08.2014 to till date

      Assistant Professor and Head of Mathematics,

      M.V.Muthaih Government Arts College Dindigul

From Sep 2013 to 18.08.2014 (On Deputation)

      Assistant Professor in Mathematics,

      M.V.Muthaih Government Arts College, Dindigul

From Dec 2007 to Sep 2013

      Asst.Prof.in Mathematics ,

      Government Arts College (Autonomous), Karur.

From July 2004 – Dec 2007

      Director, Department of Computer Applications,

      R.V.S.College of Engg.and Tech., Dindigul.

Addl. Charge

Dean – Technical,

R.V.S.College of Engg.and Tech., Dindigul

Professor and Head,

Department of MS.c., Software Engineering,

R.V.S.College of Engg.and Tech., Dindigul.

From July 1999 – June 2004

Assistant Professor,

Department of Mathematics ,

R.V.S.College of Engg.andTec.y, Dindigul   .

Addl. Charge

Assistant Professor and Head,

Department of MS.c., Software Engineering,

R.V.S.College of Engg.and Tech., Dindigul.

From June 1991 – June 1999

Senior Lecturer,

Department of Mathematics,

R.V.S.College of Engg.and Tech., Dindigul.

From June 1985 – May 1991

Lecturer ,

Department of Mathematics,

R.V.S.College of Engg.and Tech., Dindigul.

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