National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

Curriculum Vitae

Brief Profile: 1-2 paragraphs (not exceeding 500 words)

1. Name : Dr. T.N.Janakiraman

2. Designation: Professor(HAG)

3. Office Address: Department of Mathematics, NITT

4. Telephone (Direct) (Optional):

   Telephone :0431 250 3687   Extn

   Mobile (Optional): 9894794198

5. Email (Primary): janaki@nitt.edu   Email (Secondary)

   tnjanakiraman1@gmail.com.

6. Field(s) of Specialization:

   a) Graph Theory and its Applications in Science and Engineering

   b) Graph Algorithms

   c) Clustering of Cellular and Flexible Manufacturing network

   d) Number Theory (Primality and Prime Factorization algorithms)

   e) Cryptography

   f) Static and Dynamic(video)Image Processing

   g) Clustering of Wireless Networks

   h) Social Network

7.   Employment Profile

Job Title	Employer	From	To
Professor(HAG)	NITT	29.04.2019	Till now
Professor	NITT	3rd October 2009	28th April 2019

Associate Professor	NITT	3rd October 2006	2nd October 2009
Assistant Professor	NITT	3rd October 2003	2nd October 2006
Senior Lecturer	NITT	3rd October 1998	2nd October 2003
Lecturer	NITT	3rd October 1994	2nd October 1998
Post Doctoral Fellow	NBHM(DAE)	1st February1993	2nd October 1994
Senior Lecturer	Quest Education Ltd., Delhi	March 1992	31st January 1993
Project Assistant	Ramanujan Institute, Chennai	December 1991	Febraury 1991
Research Fellow	Ramanujan Institute, Chennai	October 1986	October 1991
Sales officer	Dalmia Ceramics, Chennai	July 1985	September 1986
Lecturer	Private Engn. Institute, Chennai	January 1984	June 1985

8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D.	University of Madras	1992		Mathematics
P.G.D.C.S.A	Informatics Computer System Ltd., Delhi	1998	Distinction	Computer Languages and Utilities
M.Sc.	University of Madras	1983	Distinction	Mathematics

Dip. Ceramic Technology(One year)	Tamil Nadu Board	1981	Distinction	Major: Ceramics Ancillaries: Mathematics, Geology and Chemistry
B.Sc.	University of Madras	1980	First class	Mathematics

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Warden	NITT	March 2004	Sep 2007
Deputy Chief Warden	NITT	Oct 2007	July 2010
Additional Chief Warden and Hospital Committee Chairman	NITT	July 2012	7th September 2015
Chief Vigilance Officer	NITT	8th September 2015	Till now
Chief Warden of Hostels	NITT	3rd July 2019	Till now

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
BOS, Expert Approved by Bharathidasan University	Jamal Mohideen, SRC, Andavar Arts and Science College, Holi Cross College Trichy and Kumbakonam Arts College,	2010	Till now
DC Member for the Ph.D. Scholars.	Bharathidasan University, SASTRA university, Anna University Chennai,	2010	Till Now
BOS and Staff Selection Committee	Periar Maniammai University	2010	Till Now

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
1986-1991	JRF	UGC
1993-1994	PDF	NBHM(DAE)
2010	Best Paper Award	GEOSPATIAL International

		Conference, Hyderabad
2010	Best Teacher Award	NITT
2010	Best Thesis Award	National Award in Social Science Applications

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
1986	JRF	UGC	October 1986	September 1991
1992	Research Assistant	MHRD	November 1992	January 1993
1993	PDF	NBHM(DAE)	February 1993	September 1994

13. Details of Academic Work
   (i) Curriculum Development
      Developed the syllabus for
      a) ECE Real Analysis(UG),
      b) Linear Operator and Integral Equations(PG),
      c) Graph Theory and Discrete Optimization(PG)
   (ii) Courses taught at Postgraduate and Undergraduate levels
      a) Engineering Mathematics courses(UG)
      b) Linear Operator and Integral Equations(PG),
      c) Graph Theory and Discrete Optimization(PG)
      d) Discrete Mathematics(UG & PG)
   (iii) Projects guided at Postgraduate level
      Around 20 Projects done by MCA and M.Sc.(O.R & C.A) students
   (iv) Other contribution(s)

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Weak Convex Sets and Domination related structures in Graphs	D.S.T.	1999	2002	Completed
Graph Based Classification of Geo-Spatial Images	D.R.D.O.	2006	2009	Completed
NDT Project to	B.H.E.L. Trichy	2010	2012	Partially Completed

Detect the Defects on Tubular Welding and Meterial Surfaces Using Image Processing				
Crime Alert signaling Model – An Application of Image Processing and Neural Networks	D.R.D.O Resources, A Free package will be submitted to GoI	2018	Till now	Ongoing

15. Number of PhDs guided-Sixteen(16)

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award
Dr. G. Prabhakaran	Clustering in Cellular Manufacturing Systems	Supervisor(**Main Gulde)**	2002
Dr. M.M.D. Boominathan	On some regular structures in graphs	**Sole Guide**	2002
Dr. Ismail Mohideen	On multi-objective shortest paths in graphs	**Co-Guide**	2004
Dr. P.J.A. Alphonse	On convexity and Domination in graphs (This work has been sponsored by DST Project No. DST/Ms/096/98 dated 28.09.1999	Sole Guide	2004
Dr. Mrs. M. Bhanumathi	On some graph operations and related concepts	**Sole Guide**	2005
Dr. Mrs. S. Muthammai	On some graph operations and related structures.	**Sole Guide**	2006
Dr. Ms. Poobala Ranjani	On some coloring and domination in graphs	**Sole Guide**	2007
Dr. N. Ravi Kumar	Motion Tracking of Insects	Main supervisor	2008
Dr. P.V.S.S.R. Chandra Mouli	Image Processing – Graph based Classification of images,	**Sole Guide**	2010

	Segmentation and Clustering		
Dr. J. Janet Lourds Rani	On Clustering of Wireless networks	**Sole Guide**	2010
Dr. A. Senthil Thilak	On Some Graph Theoretic Approaches To Clustering Algorithms And A Hybrid Cluster-Based Routing Protocol For Mobile Ad Hoc Networks.	**Sole Guide**	2013
Dr. S. Lakshmi Prabha	*Various Comfortable sets (Less dispersive and k-dominating sets)and domination in graph and their application in Social Network.*	**Sole Guide**	2015
Dr.V. Sangeetha	Distance closed sets, Distance closed domination sets and related structures	**Sole Guide**	2015
Dr.V.Sathiayamoorthy	*Graceful Labelling of Some Special Classes of Trees and some family of graphs with Cycles.*	**Sole Guide**	2016
Dr.C.. Sivaraj	On Neighbourhood based Clustering of Wireless Sensor Networks	**Co-Guide**	2017
Dr. S.Veerapandian	On balanced graphs, balanced dominating sets and related structures.	**Sole Guide**	2018

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
June 1986	Fourth National Conference on Mathematics and its Applications	National	Paper Presenter	RMS, India	Anna University, Chennai
February	National Seminar	National	Paper Presenter	Pondicherry	Pondicherry

1989	Graph Theory and its Applications			University, Mathematics Department	University
December 29-31, 1989	55th Annual Conference on Recent Trends in Mathematics	National	Paper Presenter	IMS, India	Delhi Uniersity
Febraury 1990	Seminar on Graph Theory and its Applications	National	Paper Presenter	Annamalai University	Annamalai University
June 7-9, 1990	5th Annual Conference on Recent Trends in Mathematics	National	Paper Presenter	RMS, India	Mysore University
March 20-28, 1991	National Workshop On Graph Theory and its Applications	National	Paper Presenter	Karnatak University	Belegaum
May 17-19, 1991	National Seminar on Graph Theory and its Applications	National	Paper Presenter	Mathematics and Statistics Department	University of Cochin
January 5-7, 1992	National conference on Graph Theory and its Applications	National	Paper Presenter	Mathematics Department	Annamalai University.
March 6-8, 1993	National Symposium on Approximation Theory and its Applications	National	Paper Presenter	R.I.A.S.M.	Madras University
April 4-10, 1994	National Workshop on Graph Theory and its Applications	National	Paper Presenter	Manipal Institute of Technology	Manipal
January 1995	National Symposium on Algebra and its Applications	National	Paper Presenter	R.I.A.S.M.	Madras University

3-6 January 1996	International Conference on Discrete Mathematics and Number Theory	International	Paper Presenter	RMS, Indida	Trichy, Sangam Hotel
October 2000	International Conference on Discrete Mathematics and Number Theory	International	Paper Presenter	RMS, India	Chandigarh
December 2000	International Conference on Recent Trends in Mathematical Sciences.	International	Paper Presenter	I.I.T. Karagpur	I.I.T. Karagpur
February 2001	National Seminar in Graph theory and its Applications	National	Invited Speaker and Chairman of a session	Anna University	Anna University, Chennai
April 2001	National Seminar on Mathematics and its Applications	National	Invited Speaker and Chairman of paper reading session	Kumbakonam Arts College	Kumbakonam
September 2001	National Seminar on Number theory and its Applications	National	Invited speaker and Chairman of Paper reading session	SASTRA University	Vallam, Tajore
September 2002	UGC Refresher Course	National	Invited speaker as resource person	Bharathidasan University	Trichy
December 2002	PG Chapter on Mathematics	National	Invited speaker	Bharathidasan University	Trichy
September 2003	UGC Refresher Course	National	Invited Speaker	Bharathidasan University	Trichy
22-23 December 2003	Mathematics and its Applications	National	Invited speaker and Chairman of Paper reading session.	Kumbakonam, Arts College	Kumbakonam
November 2003	UGC Refresher Course	National	Invited Speaker	Gandhigram University,	Didukal
February 23-25, 2004	National Seminar on Recent Trends in Mathematics	National	Invited speaker and Chairman of Paper reading session	Sri Pushpam college	Poondi, Tanjore
November 15-24,2004	National Workshop, Graph	National	Invited speaker but attended the	Yadava women's College,	Madurai

	Theory and Applications		full workshop for the benefit of the researchers	Sponsored by DST	
February 24-25, 2005	State level Conference on Recent Trend in Mathematics	State level	Invited Speaker and Chairman for Paper reading Session	Dhanalakshmi Srinivasan College	Perambalur
April 8-9, 2005	National conference on Mathematics and its Applications	National	Invited Speaker and Chairman for Paper reading Session	Kundavai Nachiyar College	Tanjore
September 24-25, 2005	State level conference Modern Applied Mathematics	State level	Invited Speaker and Chairman for Paper reading Session	EVR, College	Trichy
March 29-30, 2006	MATSEM-2006	National	Invited Speaker and Chairman for Paper reading Session	Raja Serfoji College	Tanjore
April 21-22,2006	National Seminar on the Application Mathematics and statistics	National	Invited Speaker and Chairman for Paper reading Session	Jamal College	Trichy
July 13-14, 2006	National Seminar on Mathematics and its Applications	National	Invited Speaker and Chairman for Paper reading Session	Bharathiar college of Engineering	Karaikkal
15-18 December 2006	International Conference on Discrete Mathematics	International	Paper Presenter	RMS, India	IISc. Bangalore
April 2007	International Conference on Discrete Mathematics	International	Invited Speaker	Annamalai University	Annamalai University
February 13-14,2007	State Level Seminar	State Level	Invited Speaker and Chairman for Paper reading Session	Bon Secorus College for Women	Tanjore
July 15-16, 2007	National Conference GEOSPATIAL-2007	National	Invited Speaker and Chairman for Paper reading Session	Sierra Atlantic Ltd.	Hyderabad
May 2008	WASET 2008	International	Chairman of a session &	Singapore	Singapore

			Invited Speaker		
Febraury15-16, 2008	National Conference on Mathematics and its Applications	National	Invited Speaker	Saint Joseph College	Trichy
March 28-29, 2008	National Seminar on Mathematics and its Application	National , UGC Sponsored	Invited Speaker and Chairman for Paper reading Session	Women's Govt. Arts College	Pudukkottai.
3-7, June 2009	Workshop on Graph Algorithms	National	Resource Person	Sponsored by CSIR, IARCS, TNSCST and Academy of Higher Education, India	National College, Tricchy.
March 28-29, 2009	National Seminar on Recent Trend in Mathematics, UGC Sponsored	National	Invited Speaker and Chairman for Paper reading Session	S.R.C. College	Trichy
October 23-24, 2009	National Workshop on Introduction to Intelligent System	National	Invited Speaker	Oxford Engineering College	Thraiyur
March 26-27, 2010	National Seminar on Graph Theory and its Applications	National	Invited Speaker	Periar Maniammai University	Tanjore
April 21-22, 2010	National Seminar on Mathematics and Its Applications	National	Invited Speaker	SASTRA	Tanjore
March 26-27 , 2010	National Seminar on Graph Theory and its Applications	National	Invited Speaker and Chairman for Paper reading Session	Periyar Maniammai University	Tanjore
22 – 29 January 2011	Conference on Recent advances in Pure and Applied Mathematis	National	Invited Speaker and Chairman for Paper reading Session	Government College(Women) Pudukkottai	Pudukkottai
February 18-20, 20011	National Seminar on Mathematics and its applications	National	Invited Speaker and Chairman for Paper reading Session	SASTRA University	Tanjore
April 16-18, 2011	International Seminar on	International	Invited Speaker	Annamalai University	Chidambaram

	Graph Thoery and its Applications				
December 18-19, 2012	National Seminar on Applications of Graph Theory	National	Invited Speaker and Chairman for Paper reading Session	S.R.C.	Trichy
September 23-24, 2014	Recent Trends in Application of Mathematics	State Level	Invited Speaker	Periar E.V.R. College	Trichy
19-20, December 2014	Workshop on Mathematical Methods for Engineering and Scientific Applications	National	Invited Speaker		
22nd December 2014	Graph Theory and its Application in Number Theory.	Ramanujan Day Celebration, State level Seminar	Invited Speaker	Periar Maniammai University	Tanjore
9-10, January 2015	National Conference on Discrete Mathematics.	National	Invited Speaker.	St. Joseph College	Trichy
22 and 23, February 2015	Seminar on recent Advancement in Modern Mathematicss	National	Invited Speaker	Srimad Andavan College	Trichy
March 9-10, 2016	National Conference on Recent Trends in Applied Mathematics	National	Invited Speaker and Chairman for Paper reading Session	M.Kumarasamy Engineering College.	Karur
11th March 2016	National Seminar on Mathematics and Their Applications	National	Chief Guest, Invited Speaker and Chairman for Paper reading Session	Gandhigram Rural University	Dindukal
22nd February, 2019	National Seminar	National	Invited Speaker	Annai Vailankanni Arts and Science College	Tanjore
December 22, 2017	Ramanujan day celebration	State Level	Chief Guest and Invited Speaker	Annai Vailankanni Arts and Science	Tanjore

					College.	
6-8 January, 2019	International Conference on Discrete Mathematics	International	Invited Speaker	Amrita University	Amrita University, Coiambatore

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
FACT' 12	National Level	December 6-7, 2012	Convener, Organizer	NITT
FACT' 13	National Level	March 22-23, 2013,	Chairman	NITT
NCRA2013	National Level	9-13, March,2013	Chairman	NITT
FACT' 15	National Level	March 6-7, 2015	Secretary	NITT
FACT'16	National Level	March 18-19, 2016	Convener, Organizer	NITT
International Workshop and conference on Analysis and Applied Mathematics	International	June 6-10, 2016	Chairman	NITT
FEAST' 17	International	31st March to 1st April 2017	Chairman	NITT
Inter National Conference on Discrete and Computational Mathematics	International	16-18, February 2017	Advisory Committee Member	Gandhigram University
FEAST 18	International	27th and 28th April 2018	Organizing Chair	NITT

18. Invited Talks delivered

Topic	Date	Inviting Organization
Graph Algorithms	4th June 2009	CSIR, IARCS, TNSCST and Academy of Higher Education
Application of Graph Theory to the Intelligent information system	24-26, October, 2009	Oxford Engineering College

Graph Pairs of Integers and Coding of Some Graphs	27th January 2011	Department of Mathematics, Bharathidasan University
Distance in Graphs and Their Applications	1st December 2011	Department of Mathematics, Manonmaniam Sundaranar University
Graph Theory and its Applications	22 December, 2014	Periar Maniammai University, Vallam
Multiple integrals	7th October 2015	Kumarasamy College, Karur.
Distance and Domination and Their applications	21st January 2016	Thiagarajar College, Madurai,
Application of Mathematics in Communication models.	11th March 2016	
Distance in Graph and its Applications	11th September 2018	J.J. College of Arts and Science, Pudukkottai.

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life Member	Indian Mathematical Society	485/93
Life Member	Ramanujan Mathematical Society	LM 361
Life Member	Indian Society for Technical Education	LM 43642

20. Academic Foreign Visits

Country	Duration of Visit	Programme
Singapore	May 2008	To attend an international Conference on Science and Engineering

21. Publications

 (A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume	Page	Year	Impa

			(No.)	numbers		ct Factor of the Journal (Optional)
Paul.A.Catlin, T. N. Janakiraman, Iqbalunnisa	Hamilton cycles and closed trails in iterated line graphs	Graph theory	Vol.14	347-364	1990	
T. N. Janakiraman, Iqbalunnisa, N. Srinivasan	On Antipodal Eccentric and Super-Eccentric graphs of a graph	Ramanujam Mathematical Society	Vol.4 (2)	145-161	1989	
T. N. Janakiraman, Iqbalunnisa, N. Srinivasan	On Iterated Line graphs of some classes of simple graphs	Madras University			1989	
T. N. Janakiraman	Note on the construction of geodetic blocks with g < 2d+1	Mathematical and Physical Sciences, IIT (Madras)	Vol.4	243-244	1990	
T. N. Janakiraman, Iqbalunnisa, N. Srinivasan	Eccentricity preserving Spanning Tree	The Indian Mathematical Society	Vol. 55	73-78	1990	
T. N. Janakiraman, Iqbalunnisa, N. Srinivasan	Note on Iterated Total graphs	the Indian Mathematical Society	Vol. 55	67-71	1990	
T.N. Janakiraman	On Self-centered Graphs	Ramanujam Mathematical Society	Vol.7, No.1	83-92	1992	
T. N. Janakiraman	Note: On special classes of Self-Centered Graphs	Discrete Mathematics	Vol. 126, Issue 1-3	411-414	1994	
T.N. Janakiraman, G. Prabhakaran	Manufacturing Data based Combined Dissimilarity Coefficient for Machine Cell Formation	The International Journal of Advanced Manufacturing Technology	Vol. 19	889-897	2002	
T.N. Janakiraman, M.M.D. Boominathan	On Graph pairs	Mathematics Teacher	Vol. 20	25-30	2003	
V.N. Sastry, T, N.	On the modified algorithm of	OPSEARCH	Vol. 4,		2003	

Janakiraman, Ismail Mohideen	MONOP		No.4			
V.N. Sastry, T. N. Janakiraman, Ismail Mohideen	New Algorithms for Multi objective shortest path problem	OPSEARCH	Vol.40,No.4	278-298	2003	
T. N. Janakiraman, V.N.Sastry, Ismail Mohideen	Maximum Possible Number of Pareto Optimum Paths in a Multi Objective Shortest Path Problem	Bulletin of Pure and Applied Sciences – An International Research Journal of Sciences	Vol. 23E (No.1)	181-185	2004	
V.N. Sastry, T. N. Janakiraman, Ismail Mohideen	New Polynomial Time Algorithms to compute a set of Pareto optimal paths for multi-objective shortest path problems	International Journal of Computer Mathematics	Vol.82, No. 3	289-300	2005	
T. N. Janakiraman, S. Muthammai, M. Bhanumathi	On the Boolean function graph of a graph and on its complement	Mathematica Bohemica	Vol. 130, No.2	113-134	2005	
T. N. Janakiraman, S. Muthammai, M. Bhanumathi	Domination Numbers on the Boolean Function graph of a graph	Mathematica Bohemica	Vol. 130, No.2	135-151	2005	
T. N. Janakiraman, S. Muthammai, M. Bhanumathi	Domination Numbers on the complement of the Boolean function graph of a graph	Mathematica Bohemica	Vol. 130, No.3	247-263	2005	
T. N. Janakiraman, S. Muthammai, M. Bhanumathi	Global Domination and Neighborhood numbers in Boolean function graph of a graph	Mathematica Bohemica	Vol. 130, No.3	231-246	2005	
T. N. Janakiraman, S. Muthammai, M. Bhanumathi	On Splitting Graphs	Ars Combinatoria	Vol. 82	211-221	2007	
T.N. Janakiraman, Hemalatha Thiagarajan, N.Ravi, K.Subaharan	Automated Motion Tracking of Insects Using Invariant Moments in Image sequence	Information Technology Journal	6(8)	1264-1269	2007	
T. N. Janakiraman, M. Bhanumathi, S. Muthammai	Self-centered super graph of a graph and center number of a graph	Ars Combinatoria	Vol. 87	271-290	2008	
T. N.	A Novel algorithm for	International		34 –	2008	

Janakiraman, J.Janet Lourds Rani	clustering of wireless mobile ad-hoc networks using Graph domination	Journal of Systemics, Cybernetics and Informatics (IJSCI)		40		
T.N. Janakiraman, Hemalatha T, N.Ravi Kumar and K.Subharan,	Tracking the locomotion of coconut black headed caterpillar, Opisina arenosella and its parasitoid Goniozus nephantidis	Journal of plantation Crops	Vol.36, No. 1		2008	
T.N. Janakiraman, M. Bhanumathi, S. Muthammai	Eccentricity Properties of Glue Graphs	Journal of Physical Sciences	Vol.12	123-131	2008	
T.N. Janakiraman, M. Bhanumathi, S. Muthammai,	Edge Partition of the Boolean graph $BG_1(G)$	Journal of Physical Sciences	Vol.12	97-107	2008	
T.N. Janakiraman, P.V.S.S.R. Chandra Mouli	Graph Based Feature Extraction for Object Classification	Advances in computer vision and Information Technology		609-614	2009	
T. N. Janakiraman, J.Janet Lourds Rani	Efficient Clustering for Mobile Ad-Hoc Networks using k-hop weighted paired Domination	International Journal of Information and Communication Technology (IJICT)	Vol.2, No. 3	228-243	2010	
T.N. Janakiraman, P.V.S.S.R. Chandra Mouli	Image Segmentation Using Euler Graphs	International Journal of Computers, Communication and Control	Vol.5 (3)	314-324	2010	
T.N. Janakiraman, P.V.S.S.R. Chandra Mouli	Dominant pixel identification from gray-level image using various matrix translation operations – A novel approach for edge detection	International Journal of Systems, Cybernetics and Informatics		20-25	2010	
T.N. Janakiraman, P.V.S.S.R. Chandra Mouli	Color Image Edge Detection using Pseudo-Complement and Matrix Shift Operations – An Application to Edge Detection	International Journal of Systems, Cybernetics and Informatics			2010	
T. N. Janakiraman, J.Janet Lourds Rani,	Delay Preserving Substructures in wireless networks using Edge difference between a graph	International Journal on Electrical, Computer and				

	and its square graph	Systems Engineering (IJECSE).				
T. N. Janakiraman, J.Janet Lourds Rani	Double Star embedded Clustering for wireless mobile ad-hoc networks using Ranking	International Journal of Computer Applications, ACTA Press.				
T. N. Janakiraman, P.J.A. Alphonse	Odd and Even Weak Convex Domination in Graphs	International Journal of Mathematics and Engineering with Computers	Vol. 1, No. 1-2	53-58	2010	
T.N. Janakiraman, P.J.A. Alphonse	Even weak convex Restrained domination in graphs	International Journal of Mathematics and Engineering with Computers	Vol. 1, No. 1-2	59-64	2010	
T.N. Janakiraman, P.J. A.Alphonse	Weak convex domination in graphs	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 1, No.1-4	1-13	2010	
T.N. Janakiraman, M. Bhanumathi, S. Muthammai	Domination Parameters of Hypercubes	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 1, No.1-4	14-18	2010	
T.N. Janakirman and M. Poobalaranjani	On the Chromatic preserving sets	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 1, No.1-4	29 - 42	2010	
T.N. Janakiraman, P.J.A. Alphonse	Acyclic weak convex domination in graphs	International Journal of Engineering Science, Advanced	Vol. 1, No.1-4	43 - 54	2010	

		Computing and Bio-technology				
T.N. Janakiraman, M. Bhanumathi, S. Muthammai	Eccentric Domination in graphs	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 1, No.1-4	55 - 70	2010	
T.N. Janakiraman, P.J.A. Alphonse	Acyclic weak convex domination critical graphs	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 1, No.1-4	71-79	2010	
T.N. Janakirman and M. Poobalaranjani	Dom-chromatic sets in bipartite graphs	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 1, No.1-4	80-95	2010	
T.N. Janakirman and M. Poobalaranjani	On the Chromatic preserving sets	International Journal of Engineering Science, Computing and Bio-technology	Vol. 1, No.1	30-43	2010	
T.N. Janakiraman, S. Muthammai, M. Bhanumathi	On the complement of the Boolean function graph B($\overline{K_p}$, NINC, L(G)) of a graph	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 1, No.1-4	96-101	2010	
T.N. Janakiraman, P.J.A. Alphonse	Odd and Even Weak Convex Critical graph and Domatic partition of Graphs	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 1, No.1-4	102-108	2010	
T.N. Janakiraman, P.J.A. Alphonse and V. Sangeetha	Distance Closed Domination in Graph	International Journal of Engineering Science	Vol. 1, No.1-4	109-117	2010	

		Advanced Computing and Bio-technology				
T.N. Janakiraman and G. Sathiamoorthy	Graceful Labeling of generalized tree of Hanging Stars in Arithmetic Progression	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 1, No.1-4	146-151	2010	
T. N. Janakiraman and G. Sathiamoorthy	Graceful Labeling of generalized tree with Hanging Stars in Geometric Progression	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 1, No.1-4	152-157	2010	
T. N. Janakiraman, S. Muthammai and M. Bhanumathi	On Super Duplicate Graphs	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 1, No.1-4	158-169	2010	
T.N. Janakiraman, P.J.A. Alphonse and V. Sangeetha	Even Distance Closed Domination in Graph	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 1, No.1-4	183-190	2010	
T.N. Janakiraman and A. Senthil Thilak	A Multi-hop weighted clustering of Homogeneous MANETs using Combined Closeness Index	International Journal of Wireless & Mobile Networks (IJWMN)	Vol. 3, No. 2	253-270	2011	
T.N. Janakiraman and A. Senthil Thilak	Design and Analysis of SD_DWCA – A Mobility based clustering of Homogeneous MANETs	International Journal of Computer Networks & Communication (IJCNC)	Vol. 3, No. 3	94-111	2011	
T.N. Janakiraman, and P.J.A. Alphonse	Weak Convex Restrained Domination in Graphs	International Journal of Engineering Science, Advanced	Vol.2	1-10	2011	

		Computing and Bio-Technology				
T.N. Janakiraman, P.J.A. Alphonse and V.Sangeetha	Acyclic Distance closed domination in graph	International Journal of Engineering Science, Advanced Computing and Bio-Technology	Vol.2	47-56	2011	
T.N. Janakiraman, P.J.A. Alphonse and V.Sangeetha	Distance closed Restrained Domination in graph	International Journal of Engineering Science, Advanced Computing and Bio-Technology	Vol.2	57-65	2011	
T.N. Janakiraman, P.J.A.Alphonse and V.Sangeetha	Structural Properties of k-Distance Closed Domination Critical Graphs for k = 3 and 4	International Journal of Engineering Science, Advanced Computing and Bio-Technology	Vol.2	150-161	2011	
T.N. Janakiraman and G. Sathiamoorthy	Graceful Labeling of a Special class of Fan Graph	IJESACBT	Vol. 2, No. 2	104-109	2011	
T.N. Janakiraman and G. Sathiamoorthy	Graceful labeling of a family special tree with Hanging stars having non-decreasing number of branches in random order	IJESACBT	Vol. 2, No. 3	130-138	2011	
T. N. Janakiraman, S. Muthammai and M. Bhanumathi	Domination and Neighborhood Numbers in Super Duplicate Graph With Respect to Complementation	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 3, No.1	15-22	2012	
T.N. Janakiraman, P.J.A. Alphonse and V.Sangeetha	Changing and Unchanging of Distance Closed Domination Number in Graphs	International Journal of Engineering Science, Advanced Computing and Bio-Technology	Vol.3, No.2	67-84	2012	
T. N. Janakiraman, S.	On the Boolean graph BG$_2$(G) of a graph G	International Journal of	Vol. 3, No.2	93-107	2012	

Muthammai and M. Bhanumathi		Engineering Science, Advanced Computing and Bio-technology				
T. N. Janakiraman, S. Muthammai and M. Bhanumathi	Eccentricity Properties of Super Duplicate Graphs	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 3, No.2	108-114	2012	
T. N. Janakiraman and P.J.A. Alphonse	Critical Concept in Strong Convex Dominating Set of Graphs	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 3, No.3	152-162	2012	
T. N. Janakiraman, S. Muthammai and M. Bhanumathi	Domination Parameters of the Boolean Graph $BG_2(G)$ and its Complement	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 3, No.3	115-135	2012	
T. N. Janakiraman, S. Muthammai and M. Bhanumathi	On the Boolean Function Graph B($\overline{K_p}$, NINC, $\overline{L}(G)$) of a Graph	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 3, No.3	142-151	2012	
T. N. Janakiraman, S. Muthammai and M. Bhanumathi	Domination Numbers on the Boolean Function Graph B($\overline{K_p}$, NINC, $\overline{L}(G)$) of a Graph	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 3, No.4	163-184	2012	
T. N. Janakiraman, S. Muthammai and M. Bhanumathi	Boolean graph $BG_3(G)$ of a graph G	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 3, No.4	191-206	2012	

G. Sathiamoorthy, T.N. Janakiraman, N. Sairam, N.R. Raajan	Graceful Labeling of Mobile nodes in Wireless Network	FJMS	Vol. 66 issue 2	265-276	2012	
T.N. Janakiraman and Lakshmi Prabha S	Lower Bound for Domination Number of any Graph in terms of Maximum Degree of that Graph	International journal of Engineering Science, Advanced Computing and Bio-Technology	Vol 3, issue 3	136-141	2012	
G. Sathiamoorthy, T. N. Janakiraman, S. Raja Balachandar, K. Kannan and S.K. Ayyaswamy	Generalized Tree Of Hanging Stars	IJPAM	Vol.87, No. 1	145-149	2013	
G. Sathiamoorthy, T.N. Janakiraman, N. Sairam, N.R. Raajan	Graceful Labeling of Mobile Nodes in a wireless Network	Far east Journal of Mathematical Sciences(FJMS)	Vol.66, No. 2	257-263	2012	
G. Sathiamoorthy, T.N. Janakiraman, N. Sairam, N.R. Raajan	Graceful Labeling Based Active Appearance Model for Biometric Identification	IJET	Vol. 5, No 2	1343-1346	2013	
G. Sathiamoorthy, T. N. Janakiraman	Graceful Labeling of Different Classes of Lobsters Connected in a Path	Applied Mathematical Sciences	Vol. 7, No.80	3989-3994	2013	
G. Sathiamoorthy, T.N. Janakiraman, N. Sairam, N.R. Raajan	Graceful Labeling of Assignable information Hiding in image	Research journal of information technology	Vol. 5, issue 2	181-190	2013	
T. N. Janakiraman, S. Muthammai and M. Bhanumathi	On the Complement of the Boolean Function Graph B(K_P, NINC,L(G)) of a Graph	International Journal of Engineering Science, Advanced Computing and	Vol. 4, No.1	1-18	2013	

		Bio-technology				
T. N. Janakiraman, S. Muthammai and M. Bhanumathi	Eccentricity properties of the Boolean graphs $BG_2(G)$ and $BG_3(G)$	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 4, No.2	32-42	2013	
N. Veerapandiyanand T.N. Janakiraman	Properties of 2-Balanced Graphs	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol.4, No.3	55-58	2013	
G. Sathiamoorthy, S. Raja Balachandar T. N. Janakiraman K. Kannan and S.K. Ayyaswamy	Generalized Tree Of Hanging Stars	IJPAM	Vol.87, No. 1	145-149	2013	
T.N. Janakiraman and G. Sathiamoorthy	Graceful Labeling of Hanging Theta Graphs	IJPAM	Vol. 89, No. 1 Vol.4, No.3	19-27 53-58	2013	
G. Sathiamoorthy, S. Raja Balachandar T. N. Janakiraman K. Kannan and S.K. Ayyaswamy	Generalized Tree Of Hanging Stars	IJPAM	Vol.87, No.1	145-149	2013	
T.N. Janakiraman and G. Sathiamoorthy	Graceful Labeling of Hanging Theta Graphs	IJPAM	Vol. 89, No.1	19-27	2013	
T.N. Janakiraman and G. Sathiamoorthy	Graceful Labeling of Hanging Theta Graphs	IJPAM	Vol.89, No.1	19-27	2013	
G. Sathiamoorthy, T.N. Janakiraman, N. Sairam, N.R. Raajan	Graceful Labeling of Assignable information Hiding in image	Research journal of information technology	Vol. 5, issue 2	181-190	2013	
G.	Graceful Labeling of	Applied		3989-	2013	

Sathiamoorthy, T. N. Janakiraman	Different Classes of Lobsters Connected in a Path	Mathematical Sciences	Vol.7 No.80	3994		
G. Sathiamoorthy, T.N. Janakiraman, N. Sairam, N.R. Raajan	Graceful Labeling Based Active Appearance Model for Biometric Identification	IJET	Vol.5, No. 2	1343-1346	2013	
G. Sathiamoorthy and T.N. Janakiraman	Graceful Labeling of hanging θ-graphs Connected in a path,	International Journal of Applied Engineering Research	Vol 9, No.11.	1619-1623	2014	
T. N. Janakiraman, S. Muthammai and M. Bhanumathi	Perfect, Split and Non-split domination of the Boolean graph BG2(G) and its complement	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 5, Issue No. 2	37-48	2014	
Sathiamoorthy and T.N. Janakiraman	Graceful Labeling of Roman rings having m has its ring size,	Global Journal of Pure and Applied Mathematics	Volume 10, Number 2	153-158	2014	
T.N. Janakiraman and G. Sathiamoorthy	Graceful Labeling of Hanging Theta graphs,	International Journal of Applied Engineering Research	Vol. 9, No.11.	1619-1623	2014	
T. N. Janakiraman, S. Muthammai and M. Bhanumathi	Characterizations and Edge Partitions of the Boolean Graphs BG (G), BG (G) and their Complements	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol.5,Issue No.1	1-23	2014	
G. Sathiamoorthy and T.N. Janakiraman,	Graceful Labeling of Roman rings with size Cm connected in a Path P$_v$	Global Journal of Pure and Applied Mathematics	Vol.10, Number2	153-158	2014	
Sathiamoorthy and T.N. Janakiraman	Graceful Labeling of hanging θ-graphs Connected in a path,	International Journal of Applied Engineering Research	Vol 9, Number 11	1619-1623	2014	

T.N. Janakiraman and Lakshmi Prabha S	Approximation Algorithm for Total Dominating Set using the Method of Search of Dynamic Maximum Weighted Edge in General Graphs with Improved Performance Ratio	Global Journal of Pure and Applied Mathematics	Volume 10, Number 2	177-186	2014	
T.N. Janakiraman and Lakshmi Prabha S	An Approximation Single Phase Algorithm for Connected Dominating Set of a given Graph	International Journal of Applied Engineering Research	Vol. 9, Number 18	4595-4610	2014	
T.N. Janakiraman, M.Bhanumathian d S.Muthammai	Characterizations and Edge Partitions of the Boolean Graphs $BG_2(G)$, $BG_3(G)$ and their Complements	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vo.5 issue no.1	1-23	2014	
T.N. Janakiraman, M.Bhanumathian d S.Muthammai	Perfect, Split and Non-split domination of the Boolean graph $BG_2(G)$ and its complement	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol.5, issue no.2	37-48	2014	
T.N. Janakiraman, M.Bhanumathi and S.Muthammai	Equi-eccentric point set graph, Glue graph and Complement Glue graph of a graph	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol.5, issue no.3	66-75	2014	
N.Veerapandiyan and T.N. Janakiraman	Properties of 2-Balanced Graphs	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 4, No.3	53-58	2013	
T. N. Janakiraman, S. Muthammai and M. Bhanumathi	Boolean Graph BG_1 of a Graph	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol 6. , No.1	1-16	2015	

T. N. Janakiraman, S. Muthammai and M. Bhanumathi	Domination Number of Boolean Function Graph $B(K_p, INC, Kq^c)$ of a Graph	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol.6, No. 2	28-40	2015	
T. N. Janakiraman, S. Muthammai and M. Bhanumathi	Connectivity and Traversibility of Boolean Graph $BG_1(G)$	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol.6, No.3	62-73	2015	
T.N. Janakiraman, V.Sangeetha	Distance closed dominating critical graphs	International Journal of Combinatorial Graph theory	Vol.7, No. 2	81-89	2015	
T. N. Janakiraman, S. Muthammai and M. Bhanumathi	Boolean Graph $BG_1(G)$ of a Graph G	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 6, Issue No. 1	1-16	2015	
G. Sathiamoorthy, T.N. Janakiraman and N.Saravanan	Graceful Labelling of Eucalyptus Cloud Connected in a path	International Journal of Pure and Applied Mathematics	Vol.102, No.2	225-231	2015	
G. Sathiamoorthy and T.N. Janakiraman	Graceful Labelling of Generalized Roman Rings with 4M vertices	International Journal of Pure and Applied Mathematics	Vol.104, No.1	79-85	2015	
G. Sathiamoorthy and T.N. Janakiraman	Graceful Labelling of Roman Rings Having Cycles with 6 vertices	Applied Mathematical Sciences	Vol.9, No.12	551-556	2015	
G. Sathiamoorthy, T.N. Janakiraman and Y.B. Venkata krishnan	Graceful Labelling of Hanging complete Bipartite Graphs	Applied Mathematical Sciences	Vol.9, No.36	1783-1786	2015	
G. Sathiamoorthy and T.N. Janakiraman	Graceful Labelling of Balanced Odd Double Dragons	Global Journal of Pure and Applied Mathematics	Vol.11, No.2	591-600	2015	
G. Sathiamoorthy	Graceful Labelling of	Global Journal of	Vol.11,	1273-	2015	

and T.N. Janakiraman	Balanced Even Double Dragons	Pure and Applied Mathematics	No.3	128*		
T. N. Janakiraman and S. Muthammai.	Domination numbers of the Boolean Function Graphs of a graph	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 6., Issue No. 2	28-40	2015	
T. N. Janakiraman, S. Muthammai and M. Bhanumathi	connectivity and Traversibility of the Boolean Graph $BG_1(G)$	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol.6,Issue No.3	62-73	2015	
T. N. Janakiraman, S. Muthammai and M. Bhanumathi	Domination Parameters of the Boolean Graphs $BG_1(G)$ and its Complements	"", International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 7, Issue No.1	16-40	2016	
T. N. Janakiraman, S. Muthammai and M. Bhanumathi	Eccentricity properties of Boolean function graphs of a graph	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol. 7, Issue No.2	41-47	2016	
G. Sathiamoorthy, T.N. Janakiraman and N.Saravanan	Graceful Labeling of Eucalyptus Cloud connected in a Path	International Journal of Pure and Applied Mathematics	Vol. 102, No.2	225-231	2015	
Sathiamoorthy and T.N. Janakiraman	Graceful Labeling of Balanced Odd Double Dragons	International Journal of Pure and Applied Mathematics	Vol. 11, No. 2	591-600.	2015	
T.N. Janakiraman and V.Sangeetha	Distance closed dominating critical graphs	International Journal of Combinatorial Graph theory	Vol. 7, No. 2	81-89.	2015	
G. Sathiamoorthy and T.N. Janakiraman	Graceful Labelling of Hanging Modified theta Graphs	International Journal of Pure and Applied Mathematics	Vol.107, No.3	691-698	2016	

G. Sathiamoorthy and T.N. Janakiraman	Graceful Labelling of Non-Symmetric Modified theta Graphs	International Journal of Pure and Applied Mathematics	Vol.107, No.3	699-708	2016	
C.Sivaraj , P.J.A. Alphonse and T.N. Janakiraman	Independent Neighbour Set Based Clustering Algorithm for Routing in Wireless Sensor Networks	Wireless Pers. Communication	96	6197-6210	2017	
C.Sivaraj, P.J.A. Alphonse and T.N. Janakiraman	Energy Efficient and Load Distributed Clustering Algorithm for Dense Wireless Sensor Networks	I. J. Intelligent Systems and Applications	5	34-42	2017	
C.Sivaraj, P.J.A. Alphonse and T.N. Janakiraman	Self-Load Balanced Clustering Algorithm for Routing in Wireless Sensor Networks	I. J. Intelligent Systems and Applications	9	46-57	2017	
C.Sivaraj , P.J.A. Alphonse and T.N. Janakiraman	An Energy Efficient Layered Clustering Algorithm for Routing in Wireless Sensor Networks	I. J. distributed Systems and Technologies	6	43-66.	2017	
G. Sathiamoorthy and T.N. Janakiraman	Graceful Labeling of Generalized Theta graphs	National Academy Science Letters	No.41(2)	121-122	2018	
G. Sathiamoorthy and T.N. Janakiraman	Graceful Labeling of Generalized Theta graphs	National Academy Science Letters	No.1	1-2	2018	
T.N. Janakiraman, Nagaraj Thenkarai Janakiraman and Vishwashankar Thenkarai Janakiraman	Information Security Using Matrix Transformation	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol.9	138-145	2018	
T.N.Janakiraman, Nagaraj Thenkarai Janakiraman and Vishwashankar Thenkarai Janakiraman	Three-Way Hand-Shake Methodology to Share Information Between Administrator and Multiple Users Using Matrix Transformation	International Journal of Engineering Science, Advanced Computing and Bio-technology	Vol.9	146-151	2018	

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
T. N.Janakiraman	On Pseudo-geodetic blocks	Proceedings of he Symposium on Graph Theory and Combinatorics	19-23.		Cochin University in Jan 28-31	1991
T.N.Janakiraman, Iqbalunnisa, N. Srinivasan	On the Line and Middle graphs of Geodetic graphs	National Seminar proceedings on Graph Theory and its Applications	45-48		Annamalai University in Jan 5-7	1993
T.N.Janakiraman, G. Prabhakaran	Application of closeness of graphs in machine cell formation	ICAMT			August 16-17, Johar Bahru, Malaysia	2000
T.N.Janakiraman, G. Prabhakaran	On the application of Median Graphs in Cellular Manufacturing Systems	Special ICPR			August 02-04, Bangkok, Thailand.	2000
T.N.Janakiraman, G. Prabhakaran	Design of Cellular Manufacturing Systems using Median in Graph	Special ICPR			August 02-04 Bangkok, Thailand.	2000
T.N.Janakiraman, M.M.D. Boominathan	On modulo n-Graph	International Conference on Recent Trends in Mathematics and its Applications	375-383		IIT Kharagpur	2000
T.N. Janakiraman, M. Bhanumathi, S. Muthammai	Split, Non-split domination numbers of the intermediate graph $I_{G, L(G)}$, NINC	Second National conference on Mathematical and Computational Models, NCMCM			Dec 11-12 PSG, Coimbatore	2003
T.N.Janakiraman,	Complement	Second National	55-65		Dec 11-12	2003

M. Bhanumathi, S. Muthammai	Glue graph of a graph	conference on Mathematical and Computational Models, NCMCM			PSG, Coimbatore	
T.N.Janakiraman and P.V.S.S.R. Chandra Mouli	Image Segmentation based on Minimal Spanning Tree and Cycles	IEEE sponsored International Conference on Computational Intelligence and Multimedia Applications (ICCIMA 07)	215-219 Vol. III			2007
T.N. Janakiraman and P.V.S.S.R. Chandra Mouli	A Robust Pre-Processing Step for Efficient edge Detection	IEEE First International Conference on Advances in Computer Vision and Information Technology (ACVIT 07)	860-864			2007
T.N. Janakiraman and P.V.S.S.R. Chandra Mouli	Dominant pixel identification from Gray-level Image using various matrix rotation operations – An application to Edge Detection	IEEE Second International Conference on Signal processing, Communications and Networking (ICSCN 08)	510-513			2008
T.N. Janakiraman and P.V.S.S.R. Chandra Mouli	Color Image Edge Detection using Pseudo-Complement and matrix operations – An Application to Edge Detection	World Academy of Science, Engineering and Technology	Vol. 32 465-469		Singapore	2008
T.N. Janakiraman, Hemalatha Thiagarajan and N.Ravi, K.Subaharan	Tracking Multiple Insects using Multilayer Feed-forward Networks	IEEE sponsored International Conference on Signal processing, Communications and Networking	639-643			2008

		(ICSCN 08)				
T.N. Janakiraman and J. Janet Lourds Rani	An efficient k-hop weighted domination clustering Algorithm for Mobile Ad-Hoc networks Using Ranking	IEEE sponsored International Conference on Computational Intelligence and Multimedia Applications (ICCIMA 07)	Vol.4, 322-326			2007
T.N. Janakiraman, P.V.S.S.R. Chandra Mouli	Dominant Pioxel Identification for Gray-Level Image Using Matrix Rotation Operation- An Application to Edge Detection	IEEE On Signal Processing, and Communication Networks in Information Technology	510-513			2008
T.N. Janakiraman and J. Janet Lourds Rani	Delay preserving substructures in Wireless Networks using Edge Difference between a Graph and its Square Graph	World Academy of Science, Engineering and Technology	Vol.32 470-474		Singapore	2008
T.N.Janakiraman, J. Janet Lourds Rani	Power Control and Reliable Clustering for Heterogeneous Wireless Ad-hoc Networks using Graph Domination	International Conference on Sensors and Networks (SENNET–09)	558-562			2009
T.N. Janakiraman, P.V.S.S.R. Chandra Mouli	Graph based Feature Extraction for Object Classification	IEEE Second International Conference on Advances in Computer Vision and Information Technology (ACVIT–09)	609-614			2009
T.N. Janakiraman, M. Bhanumathi, S. Muthammai	Domination parameters of hypercubes	IJESACBT	1(1):19–28			2010

T.N. Janakiraman and A. Senthil Thilak	A Weight Based Double Star Embedded clustering of Homogeneous mobile ad hoc networks using graph theory Advances in Networks & Communications – CCSIT 2011	Communications in computer and information science (CCIS)	Vol. 132, part2, 329-339		Springer-Verlag Berlin Heidelberg	2011
T.N. Janakiraman and A. Senthil Thilak	A Distributed Mobility-Adaptive and Energy driven clustering algorithm for MANETs using strong degree", Advances in Networks & Communications – CCSIT 2011	Communications in computer and information science (CCIS)	vol. 132, part 2, 645-655		Springer-Verlag Berlin Heidelberg	2011
T.N. Janakiraman and A. Senthil Thilak	Efficient Dominating set based Multi-criteria clustering of homogeneous MANETs using Degree cum Neighbour strength value	International conference on Mathematical Sciences & Computer Engineering (ICMSCE 2012)	132-139		Kuala Lumpur, Malaysia, 29 – 30 November	2012
Lakshmi Prabha S and T.N.Janakiraman	Two Polynomial-time Approximation Algorithms for finding Totally Comfortable Team in any given Social Network	International Conference on Humanities and Social Science			China, 29-30, June	2014
T.N. Janakiraman, T.J. Nagaraj and T.J.	*Information Security using*		Volume :9 , Issue :4 ,Page :138-			2018

Vishwashankar	*Matrix Transformation*		145				
T.N. Janakiraman, T.J. Nagaraj and T.J. Vishwashankar	*Three-Way Handshake Methodology to Share Information between Administrator and Multiple Users using Matrix Transformation*	IJESACBT	Volume :9 , Issue :4 ,Page :146-151				2018

(C) Books & Monographs

Author(s)	Title of Book/Monograph/Chapters	Name of Publishers	Year of Publication	ISSN/ISBN Number
T.N.Janakiraman and P.J.A. Alphonse	Discrete Mathematics(Book)	Shanmugapriya	1999	
T.N. Janakiraman and P.V.S.S.R. Chandramouli	Advances in Computer Vision and Technology(Chapters)	Springer-Verlag Berlin Heidelberg	2011	
T.N.Janakiraman and A. Senthil Thilak	Advances in Networks and Communications-CCSIT 2011(Chapters)	Springer-Verlag Berlin Heidelberg	2011	

Research Papers which are to be submitted to Journals
1. On Four Color Problem – Janakirman T N, Nagaraj T.J, and Vishwashankar T. J.
2. On 3-edge coloring of 3-regular planar graphs- Janakirman T N, Nagaraj T.J, and Vishwashankar T. J.
3. On six edge coloring conjecture of duplicated 3-regular graph- Janakirman T N, Nagaraj T.J, and Vishwashankar T. J.

Papers in Process of compilation

1. On various Polynomial schemes of Prime factorization of integers.
2. Application of graph theory in Processing queries and tables in data mining.
3. Embedded inverse of a matrix.
4. Matrix based crypto systems and their applications(Six Papers).

Reviewer of some list of Journals

1. Journal of Graph Theory
2. Journal Combinatorial Theory
3. Indian Journal of Pure and Applied Mathematics
4. ARS Combinatoria
5. Journal of Ambient Intelligence and Humanized Computing
6. The Journal of Supercomputing
7. CEPUP 2014 and CEPUP 2015
8. Discrete Mathematics, Algorithms and Applications (DMAA)
9. Discrete Applied Mathematics
10. Maejo International Journal of Science and Technology
11. IJESACBT
12. JEMS
13. Journal of Combinatorics Information and Systems Sciences (JCISS) on Computational Mathematics.
14. The International Journal of Advanced Manufacturing Technology
15. International Journal of Electronics, Communications, and Measurement Engineering (IJECME).