

BIO DATA

Name : **Dr.D.Manimegalai**
Designation : Professor and Head
Department : Information Technology
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1. Personal Details

Date of Birth & Age : 11-3-1963 & 52
Sex & Marital Status : Female & Married
Nationality : Indian

Qualification :. Ph.D

Degree	Programme and Specialization	Class /CGPA	Month & Year of Passing	Institute/University
B.E.	Electronics and Communication	First & 72%	December 1984	Govt. College of Technology, Coimbatore, Madras University
M.E	Computer Science and Engineering	First & 71.4%	December 1991	Government college of Technology, Coimbatore, Bharathiyar University
Ph.D *	Image processing		April 2006	Manonmanium Sundaranar University

Professional Experience

Designation	Institution/ Organisation	Period	Nature of Duties
Professor & Head	National Engineering College, Kovilpatti	May 2006 to Till date	Teaching & Administration
Asst. Professor	National Engineering College, Kovilpatti	June 1995 To April 2006	Teaching & Administration
Lecturer	National Engineering College, Kovilpatti	June 1989 – June 1995	Teaching
Associate Lecturer	National Engineering College, Kovilpatti	July 1987– June 1989	Teaching
Associate Lecturer	P.S.N.A College Of Engineering & Technology, Dindigul	July 1985 - June 1987	Teaching

Date of joining in Present Institution : 15.07.1987

Present status : Professor & Head

Courses taught:

Course Title	U.G. or P.G.
Operating Systems, Compiler Design, System Software, Software Engineering, Software Testing, Computer Architecture, Microprocessors and Microcontrollers, Digital Electronics	U.G
Digital Image Processing, Operating Systems, Compiler Design, Software Engineering, Software Project Management.	P.G

2. Academic Achievements**2.1 Short term Courses / Seminars / Conference/ Workshops organized:**

S.No	Programme	Dates	Responsibility
1.	Symposium IGNITE'15	12 th March'15.	Convener
2.	National Conference NACCA'15	23 rd February'15	Convener
3.	DST (NIMAT) Sponsored Entrepreneurship awareness camp	19 th – 21 st January'2015	Convener
4.	DBT Sponsored seminar on Research Approaches and Contemporary Issues of Functional Genomics, Proteomics & Micro array biological Modeling using machine learning in Bioinformatics Applications	13.11.2014 to 14.11.2014	Convener
5.	Anna University sponsored FDTP on SOA	9 – 15 June 2014.	Convener
6.	Symposium IGNITE'14	21 ST March'14.	Convener
7.	National Conference NACCA'14	19 TH March'14	Convener
8.	Workshop on Android and Web Designing	8 th and 9 th , March'14.	Convener
9.	Workshop on Search Engine Optimization	20 th and 21 st February14	Convener
10.	DST sponsored Entrepreneurship Awareness Programme	22 – 24, Jan'14.	Convener
11.	INSA sponsored International Conference ENIAC'14	08-10, Jan'14	Convener
12.	Workshop on NS2	4 th & 5 th and 10 th & 11 th October 2013	Convener
13.	Workshop on Programming with MATLAB	19 th & 20 th September 2013.	Convener
14.	DBT sponsored Seminar on Cloud Computing	14th & 15th March,2013	Convener
15.	Android course during	Feb&March'2013	Convener
16.	LATEX workshop	30th Nov 2012	Convener
17.	Image processing using MATLAB	19 - 20 Oct' 2012	Convener
18.	National Conference ENIAC'12	12th Sep' 2012	Convener
19.	BRNS Sponsored National Conference ENIAC'11	16th Sep' 2011	Convener
20.	DST Sponsored Seminar on Issues and challenges in Ubiquitous Computing	30th & 31st July 2010	Convener
21.	AICTE Sponsored STTP on Network	7th to 12th June 2010	Convener

	Programming and Management		
22.	CSIR Sponsored National Conference ENIAC'10"	8th & 9th April 2010	Convener
23.	National Seminar on J2EE & Websphere Admin	25th & 26th Sep 2009	Convener
24.	AICTE & DRDO Sponsored National Level Workshop on Grid Computing	25th to 27th May 2009nA	Convener
25.	National Conference ENIAC'09	03rd & 4th April 2009	Convener
26.	AICTE Sponsored National Level Workshop on RIPDIP '09	22nd to 24th Jan 2009	Convener
27.	DRDO Sponsored National Seminar On Autonomic Computing	01st & 2nd August 2008	Convener
28.	National Level Workshop ON XML & Web Services	22nd to 24th 2008	Convener
29.	Value Added Course On Storage Technology	05th March to 15th April 2008	Convener
30.	AICTE Sponsored National Conference ENIAC'08	29th Feb & 1st March 2008	Convener
31.	Beginner's Course on "Network Stimulators" (NS-2)	22nd & 23rd Feb 2008	Convener
32.	Windows 2003 Server Administration & Networking	29th Sep 2007	Convener
33.	Computer awareness Training Program for Head Masters of Govt.Higher Secondary School, Tuticorin Dist.	27th Sep 2007	Convener
34.	AICTE Sponsored National Seminar On Pervasive Computing	20th & 21st April'2007	Convener
35.	AICTE Sponsored National Seminar On Knowledge Engineering	5th & 6th Jan 2007	Convener
36.	International Conference IRIS 2006	Jan 6-8 2006	Coordinator
37.	National Conference NACIPAN '05	11th & 12th Feb 2005	Coordinator
38.	National Conference NACIPAN '04	13th & 14th Feb 2004	Coordinator

2.2 Short term Courses / Seminars / Conference/ Workshops Attended:

<i>Sno</i>	<i>Title</i>	<i>Programme</i>	<i>Date</i>	<i>Venue</i>
1.	17 th ISTE TN& P Section Annual Convention & Conferment of Life Time Achievement Awards-2014	National	07.11.2014 & 08.11,2014	ISTE TN& P Section & National Engineering College
2.	Women's Worlds Congress	International	August 17 – 22, 2014	University of Hyderabad
3.	Formulation of Research & Development Initiatives for Women Scientists and Technologists	National	29 May – 01 June 2014	ESCI , ESCI Campus, Hyderabad
4.	INFOSYS campus connect Principal's meet	Regional	24 th February 2014	INFOSYS & Mahendra City.

5.	AICTE Workshop on Women Empowerment	National	11 th Nov' 2013	AICTE ay TCE Madurai.
6.	NBA Workshop	National	13 th , 26 th , 27 th and 28 th Sep' 2013	NBA at TCE, Madurai
7.	NBA Workshop	National	29th April 2013	NBA at TCE, Madurai
8.	CSI Annual Convention	National	1st & 2nd Dec' 2012	CSI Kolkatta Chapter, Science City, Kolkatta.
9.	NBA Workshop	State Level	12th July 2012	NBA at TCE, Madurai
10.	EMC Academic summit 2012 – Cloud meets Big data	National	10th Feb' 2012	EMC at MSRIT, Bangalore
11.	Regional summit on Quality in Education	Regional	11th & 12th Nov' 2011	CII Coimbatore
12.	Cloud Computing and Virtualization	AICTE MHRD Sponsored STTP	12th to 18th July 2010	NITK, Surathkal
13.	Software Quality Management	National Seminar	9th & 10th Feb. 2007	NASSCOM National Engineering College
14.	Software Engineering Practices	Faculty training program	3rd & 4th March 2006	Accenture, Chennai.
15.	Educational Administration	UGC Sponsored Orientation Programme.	4th & 5th Feb. 2006	Jawaharlal Nehru Technological University, Hyderabad.
16.	Quality Oriented Technical Education	ISTE Sponsored National Seminar.	25th & 26th July 2003	National Engineering College, Kovilpatti.
17.	National workshop on Computer Vision, Graphics and Image Processing	IUPRAI & TCE	15TH & 16TH February 2002	TCE, Madurai
18.	Information Technology for Villages: A Dream and its Bottleneck.	All India Seminar on IT-Infotech2K	25th Feb. 2000	Thiagarajar College Of Engineering, Madurai.
19.	Recent Trends in Advanced Computing	NCRTAC	11th & 12 Feb. 2000	M.S.University
20.	Multimedia on the Move	AICTE Sponsored National Seminar	30th Oct to 1st Nov 1999	Shunmugha College of Engineering, Thanjavur.
21.	Internet & its Uses	CSE, Staff Development Programme.	17th May 1999	National Engineering College, Kovilpatti.
22.	Induction Training for Teachers	ISTE Chapter	14th to 16th Nov 1996	National Engineering College, Kovilpatti.

23.	Artificial Intelligence & Expert System	AICTE/ISTE Summer School	15th to 27th May 1995	J.N.T.U. College of Engineering, Anantapur.
24.	Ongoing Research area in Computer Science	FDP	2nd & 3rd March 1995	MS University, Tirunelveli.

3 Expert Lectures Delivered :

<i>Sl.No</i>	<i>Title</i>	<i>Place</i>	<i>Programme</i>	<i>Date</i>
1.	Image Processing Applications – A Research Perspective Medical Image Segmentation	Francis Xavier Engineering College, Tirunelveli	AICTE Sponsored SDP	14.06.2013
2.	Satellite Image classification techniques and its research issues	MEPCO, SIVAKASI	AICTE Sponsored SDP	25.05.2013
3.	Campus to Corporate	NEC	Seminar	23.12.2012
4.	Cloud Computing and it's applications	PSR Engg. College, Sivakasi	AICTE Sponsored FDP	15.08.2012
5.	Etiquettes and Manners	NEC	Seminar	03.08. 2012
6.	Keynote Address	National Conference at Sardar Raja's College of Engg., Alangulam	Conference	01.04.2011
7.	Cloud Computing	Trichy Engg. College, Tiruchirappalli	Seminar	21.03.2011
8.	Invited talk on Autonomous computing	International Conference at New Delhi	International Conference	28.12.2010
9.	Research Ethics and Success of Research	Akshaya College of Engg. and Technology Coimbatore	Seminar	11.12.2010
10.	Campus To Corporate	SCAD College of Engineering Cheranmadevi	Symposium	23.09.2010
11.	Goal Setting	SVCET, Virudhunagar	Symposium	09.09.2010
12.	Ethics and Values	FX Engg. College Tirunelveli	Seminar	17.08.2010
13.	Research Methodology	GVN College of Arts and Science Kovilpatti	Research Inauguration	06.08.2010
14.	Issues and challenges in Autonomous Computing	NEC, Kovilpatti	AICTE sponsored Seminar	31.07.2010
15.	Choose Your Lane(Motivational talk)	Jayaraj Annapackiam College of Engineering, Nazareth.	CSI Inauguration	12.03.2010
16.	Research Challenges in Autonomic Computing	AICTE Sponsored SDP@ NEC,Kovilpatti	SDP	16 th Dec'2009

17.	Research Challenges in Autonomic Computing	Karpagam University	Seminar	Oct 2009
18.	Information Security	Thiagarajar college of Arts and science	Inter college Seminar	20.03.2009
19.	Recent trends in IT	GVN College, Kovilpatti	Seminar	11.08.08
20.	Research Challengers and Issues in Autonomous Computing	Sethu Institute of Technology Pulloor.	AICTE sponsored Seminar	21st Feb 2008
21.	Knowledge Engineering	Sakthi Engineering College Coimbatore	AICTE sponsored Seminar	07th Dec 2007
22.	Recent Trends in IT	Jayaraj Annapackiam College of Engg & Tech, Nazareth	Seminar	7th Sep 2007
23.	Symbolic object approach for Image Analysis	PSG College of Technology, Coimbatore	AICTE sponsored SDP	23rd Dec. 2006.
24.	Introduction to Operating System	NEC, Kovilpatti	Seminar	Aug. 2006.
25.	ATM QoS Parameters	NEC, Kovilpatti	AICTE sponsored SDP	2nd Nov.2004
26.	TCP/IP Protocols	Sri Sowdambika Polytechnic, Aruppukottai	AICTE sponsored SDP	7th June 2002
27.	Embedded Systems	Lakshmi ammal Polytechnic, kovilpatti.	Seminar	26th Dec 2002
28.	Client Server Technology	SFR College for Womens, sivakasi	Seminar	6th October 1999

4 Publications

Journal publications

International Journals	:	53
International Conference	:	31
National Conference	:	19

I JOURNAL PUBLICATIONS

Sno	Title of the paper	Authors	Journal	Volume,Pages Year
1.	Enhancing Energy Efficiency In Visual Sensor Networks Through Actor Node	Dr. D. Manimegalai Mr.G.Aravind Swaminathan Mr.S.Murugeswari	International Journal of Applied Engineering Research	ISSN 0973-4562 Volume 10, Number 2 (2015) pp. 2279-2290 © Research India Publications
2.	Removal Of Poisson Noise In Medical Images Using Fdct Integrated With Rudin–Osher–Fatemi Model	Dr. D. Manimegalai Ms.D.Mary Sugantharathnam	International Journal of Biomedical Engineering; Applications, Basis and Communications	Vol. 26, No. 6 (2014) 1450078 DOI: 10.4015/S1016237214500781

3.	Analysis of Significant Factors for Dengue Infection Prognosis Using the Random Forest Classifier	Dr. D. Manimegalai A.Shameem Fathima	(IJACSA) International Journal of Advanced Computer Science and Applications	Vol.6 , No. 2, 2015 Pp 240 - 245 DOI 10.14569/IJACSA.2015.060235
4.	Enhancing the security of AES Algorithm in Wireless Network	Dr. D. Manimegalai Mr.R.Velayutham Mr.E.Siva Ganesh	Springer India 2015	326,DOI 10.1007/978-81-322-2119-7_125
5.	Task Scheduling using Two-Phase Variable Neighborhood Search Algorithm on Heterogeneous Computing and Grid Environments	Dr. D. Manimegalai Ms.S.Selvi	Arabian Journal for Science and Engineering Springer Publications	Vol. 40, No.3 , . 2015, pp 817-844 DOI 10.1007/s13369-014-1558-9 January 2015 Impact Factor 0.367
6.	Fusion of color and modified Weber's law descriptor based human skin detection	Dr. D. Manimegalai Ms.C.Prema	Journal of computer Science, Science Publications	Vol. 10, Issue 10, . 2014, pp 1680-1691
7.	Diagnosis Of Diabetic Retinopathy By Exudates Detection Using Clustering Techniques	Dr. D. Manimegalai Ms.D. Santhi Ms.S. Karkuzhali	International Journal of Biomedical Engineering; Applications, Basis and Communications	Vol. 26, Issue 6, Oct' 2014, pp 21-28 DOI: 10.3923/ajit.2014.21.28
8.	Text Document Clustering with Flocking Algorithm using Specific Crimes Judgement Corpus	Dr. D. Manimegalai Ms.S.Vijaylakshmi	Asian Journal of Information Technology Medwell Journals	Vol. 13, Issue 1, . 2014, pp 21-28
9.	Mining Semantic Patterns in Cricket Videos using Fuzzy Based Classification	Dr. D. Manimegalai Ms.D. Pushpa Ranjini	Asian Journal of Information Technology Medwell Journals	Vol. 13, Issue 3, 2014, pp 112-118
10.	Adaptive Color Image Steganography Using Intra Color Pixel Value Differencing	Dr. D. Manimegalai Ms.C.Prema	Australian Journal of Basic and Applied Sciences	Vol. 8, Issue 3, March 2014, pp 161-167
11.	Keyless cryptography in grid computing using cyclic shift transposition algorithm	Dr. D. Manimegalai Ms.S.Gomathi	Journal of Theoretical & Applied Information Technology.	Vol. 63, Issue 1, May 2014, pp 112-118
12.	A highly adaptive fault tolerant routing protocol for energy constrained mobile ad hoc networks.	Dr. D. Manimegalai Mr.G.Aravind Swaminathan	Journal of Theoretical & Applied Information Technology.	Vol. 57, Issue 3, Nov 2013, pp 388-397
13.	Optimum coefficients of discrete orthogonal tchebichef moment transform to improve the performance of image compression	Dr. D. Manimegalai Ms.A.H. Ragamathunisa Begum Dr.A.Abudhahir	Malaysian Journal of Computer	Science 26 (1) PP. 60 – 75, 2013
14.	An efficient cross ontology-based similarity measure for bio-document retrieval system.	Dr. D. Manimegalai D.Jayashri	Journal of Theoretical & Applied Information Technology.	Vol. 53, Issue 2, Aug 2013, pp 245-255

15.	A Document Level Measure for Text Categorization	Dr. D. Manimegalai V.Mary Amala Bai	International Review on Computers and Software	Volume 8, No 6 June, 2013 pp 1374-1381
16.	Common key sharing mechanism for mobile AD HOC Network based on authenticated symmetric key	Dr. D. Manimegalai Dr.A.Jegatheesan	Pensee Journal	Volume 75, No 11 Nov, 2013 pp 294-303 Impact Factor: 0.063
17.	Segmentation, Modeling and 3D Reconstruction of Brain Tumors- A Review	Dr. D. Manimegalai A.Sakthi Bharathi Sanjeev Kubakaddi	Jokull Journal	Volume 63 No .9 Sep, 2013 pp 316-329 Impact Factor: 1.604
18.	Secured Routing with Authentication in Mobile AD HOC Networks	Dr. D. Manimegalai T.Guru Baskar	Journal of computer science , Science Publications	Volume 9 No .3 May, 2013 pp 439-448 Impact Factor: 1.35
19.	Intelligent Models Creation for cost estimation using Clustering techniques	Dr. D. Manimegalai N.Suresh	International Journal of Engineering Trends and Technology	Volume 4, Issue 6, June 2013 pp 2350-2355
20.	Keyword search parser using encrypted text in Grid Computing Architecture	Dr. D. Manimegalai Dr.S. Gomathy	International Journal of Advanced Research in Computer Science and Software Engineering	Volume 3, Issue 7, July 2013 pp 771-777 Impact Factor: 2.08
21.	VLSI Implementation of DIP Based Edible Oil Adulteration Identification	Dr. D. Manimegalai G.Rajakumar	International Journal of Advanced Research in Computer Science and Software Engineering	Volume 3, Issue 5, pp 771-777 Impact Factor: 2.08 May 2013
22.	Semantic Similarity Measures on Different Ontologies: Survey and a Proposal of Cross Ontology based Similarity Measure	Dr. D. Manimegalai D.Jayashri	International Journal of Science and Research (IJSR), India Online ISSN: 2319-7064	Volume 2 Issue 2, pp 455-461 February 2013
23.	Wavelets and Ridgelets for Biomedical Image Denoising	Dr. D. Manimegalai D.Mary sugantha Rathnam B.Ganapathy Ram	WSEAS Transactions on Systems	Volume 12 Issue 3, pp 165-178 March 2013
24.	Design and VLSI Implementation of DIP Based Rod Quality Inspection	Dr. D. Manimegalai G.Rajakumar	International journal of Advanced Research in Computer Engineering and Technology	Volume 2 Issue 3, pp 891-896 March, 2013
25.	Secured Routing with Authentication in Mobile AD HOC Networks	Dr. D. Manimegalai T.Guru Baskar	Journal of computer science , Science Publications	Volume 9 No .3 pp 439-448 Impact Factor: 1.35 May, 2013
26.	Symmetric Key management for Mobile Ad hoc Networks using Novel Secure and Authenticated Key Distribution Protocol	Dr. D. Manimegalai A.Jegatheesaa	European Journal of Scientific Research	Volume88 No 3 pp 334-345 Impact Factor: 0.75 October, 2012
27.	Energy Efficiency in Visual Sensor Networks: A Survey	Dr. D. Manimegalai G.Aravind Swaminathan	European Journal of Scientific Research	Volume86 No 4 , pp 685-693 Impact Factor: 0.75 2012

28.	A novel approach in cost estimation based on Algorithmic Model	Dr. D. Manimegalai N.Suresh	International journal of Computer Trends and Technology	Volume31Issue 5 pp 502-508 September, 2012
29.	Color Textured Image Segmentation Using ICICM – Interval Type-2 Fuzzy C-means Clustering Hybrid Approach	Dr. D. Manimegalai Ms.P. Murugeswari	Engineering Journal	Volume 16 Issue 5 pp115 – 126, 2012
30.	An efficient approach to locate optic disc center, blood vessels and macula in Retinal images	Dr. D. Manimegalai D.Santhi	International Journal of Biomedical Engineering; Applications, Basis and Communications	Volume 24– No.5, pp 1 – 10. Impact Factor: 0.15 October 2012
31.	A Novel Skin Tone Detection using Hybrid Approach by New Color Space	Dr. D. Manimegalai C.Prema	International Journal of Computer Applications (IJCA)	Volume 46– No.7, pp 15 – 19. Impact Factor: 0.621 May 2012
32.	Survey on Skin Tone Detection using Color Spaces	Dr. D. Manimegalai C.Prema	International Journal of Applied Information Systems	International Vol. 2, No. 2, pp18- 25, May 2012
33.	Predictive Analysis for the Arbovirus-Dengue using SVM Classification	Dr. D. Manimegalai A.Shameem Tathima	International Journal of Engineering and Technology	International Vol. 2, No. 3, pp521-527 March 2012
34.	An adaptive colour texture using similarity measure of symbolic object approach	Dr. D. Manimegalai Dr.G.Uma maheswari Dr.K.Ramar	International journal of signal processing, image processing, and pattern recognition	Vol. no. 4, pp-66- 76, Impact Factor: 0.788, December 2011
35.	An analysis of MIPS Group based Job Scheduling Algorithm with other Algorithms in Grid Computing	Dr. D. Manimegalai Ms.S.Gomathi	IJCSI International Journal of Computer Science Issues	International Vol. 8, Issue 6, pp335-340. Impact Factor: 0.242 Nov 2011,
36.	A Review of Data Mining Classification Techniques Applied for Diagnosis and Prognosis of the Arbovirus-Dengue	Dr. D. Manimegalai A. Shameen Fathima Nisar Hundewale	IJCSI International Journal of Computer Science Issues	International Vol. 8, Issue 6, .Impact Factor: 0.242 Nov 2011,
37.	The Curvelet Approach for Denoising in various Imaging Modalities using Different Shrinkage Rules	Dr. D. Manimegalai D.Mary sugantha Rathnam	International Journal of Computer Applications (IJCA)	Volume 29–No.7: pp36-42,.Impact Factor: 0.835 September 2011
38.	Complex Background and Foreground Extraction in Color Document Images using Interval Type-2 Fuzzy	Dr. D. Manimegalai P.Murugeswari	International Journal of Computer Applications (IJCA)	Volume 25– No.2, J pp 06-09. Impact Factor: 0.835. July 2011
39.	Query based Text Document Clustering using its Hypernymy Relation	Dr. D. Manimegalai S.Vijayalakshmi	International Journal of Computer Applications (IJCA)	Volume 23– No.1, pp 13-16.. Impact Factor: 0.835 June 2011
40.	Noise Reduction in Color image using Interval Type-2 Fuzzy Filter (IT2FF)	Dr. D. Manimegalai P.Murugeswari	International Journal of Engineering Science and Technology" (IJEST)	International Vol. 3 No.2,pp 1334-1338 Feb 2011
41.	Enhancing Confidentiality and Integrity in IEEE	Dr. D. Manimegalai R.Velayutham	European Journal of Scientific Research	International Vol. 55 No.1

	802.11i Wireless Networks using AES-CCMP			2011,pp 117-124 Impact factor 0.03, Feb 2011
42.	Locating Optic Disc center and Segmenting Blood vessels in Retinal Images for screening system of Diabetic Retinopathy	Dr. D. Manimegalai D.Santhi S.Karkuzhali	International Journal of Research and Reviews in Information Technology (IJRRIT)	International Vol. 1, No. 1, pp 20-27, March 2011
43.	A region based an adaptive color texture segmentation using similarity measure of symbolic object approach	Dr. D. Manimegalai G.Umamaheswari V.Gomathi Dr.K.Ramar G.Gowrision	International online Journal Elixir Adv. Engg. Info	International Vol.33 pp 2167-2173 February 2011
44.	Replacing Various Analog Signal Sensors with Digital Cameras	Dr. D. Manimegalai A.Justin Diraviam Dr.S.P.Victor G.Rajakumar Dr.K.Rajappan	International Journal of Computer and Electrical Engineering	International Vol.3,No.1, pp 84-93. Impact factor 0.484 February 2011
45.	Enhancing wireless security using improved nonce construction scheme for AES CCMP	Dr. D. Manimegalai R.Velayutham	International Journal on Advanced Computing and Communication Networks (IJACC)	International , 2011
46.	Performance Comparisons of Routing Protocols in Mobile Ad Hoc Networks.	Dr. D. Manimegalai P.Manickam T.Guru Baskar M.Girija	International Journal of Wireless & Mobile Networks (IJWMN).	International Vol. 3, No. 1, pp 98-106. February 2011
47.	An Adaptive Region Based Color Texture Segmentation Using Fuzzified Distance Metric	Dr. D. Manimegalai G.Umamaheswari Dr.K.Ramar V.Gomathi	Journal of Applied Soft Computing, ELSEVIER Publishers	International-2011 Impact Factor: 2.468 , 2011
48.	Efficient Job Scheduling on Computational Grid with Differential Evolution Algorithm	Dr. D. Manimegalai S.Selvi Dr.A.Suruliandi	Intrenational Journal of Computer Theory and Engineering	International Vol.3, No.2, The latest Impact Factor is 0.576 April, 2011
49.	Analysis of AES hardware and software imalementation	Dr. D. Manimegalai A.Velayutham	Oriental Journal of Computer Science and Technology	International (3(1) : 83-88.) Impact Factor is 0.576, 2010
50.	VLSI Implementation of ANN for Handwritten Digit Recognition	Dr. D. Manimegalai G.Raja Kumar	Journal of Technological World,.	International Volume XI, Issue-10, October 2009
51.	Comparison of enhanced AES hardware withDES and T-DES	Dr. D. Manimegalai A.Velayutham	Journal of Emerging Technologies	National (3(2): 1.6.) , 2008
52.	Edge Detection of Textured Images Using Symbolic Object Approach	Dr. D. Manimegalai Dr.L.Ganesan Dr.K.Ramar	AMSE, France	Vol 46, No.2, Nov 2003
53.	Quantitative fuzzy measures for threshold selection	Dr. D. Manimegalai Dr.L.Ganesan Dr.K.Ramar	Pattern Recognition Letters	Volume 21, Issue 1, January 2000, Pages 1-7

II INTERNATIONAL CONFERENCE PUBLICATIONS

Sno	Title of the paper	Authors	Name of the conference	Venue	Pages Date
1.	Segmentation and Localization of Optic Disc using Feature Match and Medial Axis Detection in Retinal Images	Dr. D. Manimegalai K.Pradhepa	ICIIECS'20 15, ECE, CBE.	Karpagam College of Engineering, Coimbatore	19th & 20th March 2015
2.	Segmentation of Retinal Hemorrhages Using Splat Feature Extraction	Dr. D. Manimegalai N.Ambika	ICAET-15	Anjuman College of Engg. & Tech.	25th Feb, 2015
3.	Digital Image processing Techniques Used For Glaucoma Detection – A Review	Dr. D. Manimegalai K.Pradhepa	DIGNATE 2014, New Delhi.	India International Centre, New Delhi	18th to 19th October 2014
4.	Segmentation of Hemorrhages and Microaneurysms in Retinal Images – A Survey	Dr. D. Manimegalai N.Ambika	DIGNATE 2014, New Delhi.	India International Centre, New Delhi	18th to 19th October 2014
5.	Progression of Diabetic Retinopathy during pregnancy in Type I Diabetes.	Dr. D. Manimegalai Dr.D.Shanthi	Women's Worlds Congress	University of Hyderabad	August 17 – 22, 2014
6.	A Probable Multi-Mesh Framework for semantic filtered video retrieval	Dr. D. Manimegalai	ERCICA-14	Nitte Meenakshi Institute of Technology, Bangalore	Aug 1- Aug 2, 2014
7.	Exudates based non-proliferative ORdetection in Retinal Images	Dr. D. Manimegalai J.Angella Rebecca	ENIAC'14	National Engineering College	January 8- 10, 2014.
8.	An Efficient Retinal Small Blood vessel segmentation using hysteresis thresholding	Dr. D. Manimegalai M.Karthika	ENIAC'14	National Engineering College	January 8- 10, 2014.
9.	Unsupervised color texture segmentation using fuzzified distance metric.	Dr. D. Manimegalai A.Selvaesakki	ENIAC'14	National Engineering College	January 8- 10, 2014.

10.	Hierarchically distributed Peer-to-Peer architecture for computational grid	Dr. D. Manimegalai Ms. K.Gomathi	Green High Performance Computing (ICGHPC), 2013	St. Xavier's Catholic College of Engineering	14 Mar - 15 Mar 2013
11.	Neural network based automatic detection of Brain Hemorrhage in CT images using textural features	Dr. D. Manimegalai Sundara Maha Lakshmi. M	ICACT2013	MGR University	8TH & 9TH March 2013
12.	Automatic detection of tumor subtype in Mammograms based on GLCM and DWT features using SVM	Dr. D. Manimegalai M.Mohammed fathima S.Thaiyalnayaki	ICICTS'13	S.A. Engineering College, Chennai	Jan'2013,
13.	Minutiae and ridges extraction of touchless fingerprint images using thin plate spline model	Dr. D. Manimegalai J. Daisy Selvarani	EMICS 12	Maria college of engg and technology,Attoor	16TH & 17TH Feb 2012
14.	Group event detection using asynchronous hidden markov model for video surveillance	Dr. D. Manimegalai J. Anitha	EMICS 12	Maria college of engg and technology,Attoor	16TH & 17TH Feb 2012
15.	Multi Person Tracking – by Detection Using a Detector Confidence Particle Filter	Dr. D. Manimegalai R. Deepika	EMICS 12	Maria college of engg and technology,Attoor	16TH & 17TH Feb 2012
16.	Non Technical Losses Identification & Prediction in Power Utilities Using GASVM	Dr. D. Manimegalai Kavaiah.G	EMICS 12	Maria college of engg and technology,Attoor	16TH & 17TH Feb 2012
17.	System For Detection of Fraud in Electricity Consumption Using Support Vector Machine	Dr. D. Manimegalai Muthuselvi.R	EMICS 12	Maria college of engg and technology,Attoor	16TH & 17TH Feb 2012
18.	Recognition of Optic Disc Center from retinal images using Matched Filter for Early Diagnosis	Dr. D. Manimegalai S.Karkuzhali D.Sanathi	NCVIT'11	GCT, Coimbatore	Jan 2011.

	of Diabetic retinopathy				
19.	An Automated method for Early Detection of Diabetic Retinopathy	Dr. D. Manimegalai S.Karkuzhali D.Santhi	IIST 2011	Sun College of Engineering and Technology	24- 25, March 2011.
20.	A Novel Watermarking Scheme Using human Visual System for Protecting Copyrights of Digital images	Dr. D. Manimegalai S.MuthuSelvi	NCRTIT'11	Kamaraj college of Engineering and Technology	10th March 2011,
21.	Bimodal Biometric Authentication System Using Ranking Technique	Dr. D. Manimegalai S.S.Sumukhi	ACENET'11	PSNA college of Engineering.	March 5 2011
22.	Scheduling Jobs on Computational Grid using Differential Evolution algorithm	Dr. D. Manimegalai S.Selvi	Networking VLSI and Signal processing ICNVS'10	Cambridge, UK	February 20-22, 2010
23.	Reconstruction of 3-D X-Ray Medical Images from 2-D X-Ray Images - A Survey	Dr. D. Manimegalai A.Sakthi Bharathi	Emerging trends in Mathematics and Computer Applications	MEPCO	Dec, 16-18, 2010
24.	An Effective Image Retrieval System using Hybrid Approach	Dr. D. Manimegalai S.Rathna Jothi S.Sankar Ganesh Dr.K.Ramar	Management Engineering 2009 - 2010	Dalian University,China	August 2009
25.	Analysis of AES Hardware and Software Implementation	Dr. D. Manimegalai R.Velayutham	ICETiC 2009.	Kamaraj College of Engineering & Technology	8th to 10th January 2009
26.	Efficient Term Similarity Measurement for Phrase-Based Clustering	Dr. D. Manimegalai V.Mary M.S.Deepthi S.Shabanai	ENIAC'09	National Engineering College	January 2009
27.	Configuration and Effective utilization in Mobile Ad hoc Networks	Dr. D. Manimegalai T.Guru Baskar P.Manickam	ENIAC'09	National Engineering College	January 2009
28.	Information Retrieval using Fuzzy Ontology with Thematic	Dr. D. Manimegalai S.Vijayalakshmi	ENIAC'09	National Engineering College	January 2009

	Approach				
29.	Location of Optical Disc in Retinal Image	Dr. D. Manimegalai N.Shanthi	ICCIMA 2007	MEPCO	2007
30.	Mitigating Routing Misbehaviors using subjective trust model in mobile adhoc network	Dr. D. Manimegalai Ms. V.Vasantha	ICCIMA 2007	MEPCO	2007
31.	A Subjective Logic Approach for Secure Routing in Mobile ADHOC Networks.	Dr. D. Manimegalai	ICACC '07.	SIT, Madurai	February 2007.

III NATIONAL CONFERENCE PUBLICATIONS

Sno	Title of the paper	Authors	Name of the conference	Venue	Pages Date
1.	Unsupervised color texture segmentation using fuzzified symbolic object approach based on similarity measures	Dr. D. Manimegalai A.Selvaesakki	VISION'14	GCE,Thirunelveli	3 rd April'14.
2.	Survey on Diagnosing Brain Hemorrhage in CT images	Dr. D. Manimegalai	NCMSO 2012	VELS University, Chennai	2nd Nov'12
3.	Survey on Classification Approaches for Mammography Images	Dr. D. Manimegalai	ENACT 2012	Sathyabama University	4th – 5th Oct'2012
4.	Bimodel Biometric Authentication System using Ranking Technique	Dr. D. Manimegalai S.S.Sumukhi	ACENET'11	PSNACET, DGL	5TH March 2011
5.	Recognition of Optic Disc Center from Retinal Images Using Matched Filter for Early Diagnosis of Diabetic Retinopathy	Dr. D. Manimegalai. S.Karkuzhali D.Santhi	NCVIT	GCT, CBE	7TH March 2011
6.	Security Enhanced Data Transmission	Dr. D. Manimegalai M.Angel Christy	Challenges in Soft	PET Engineering College	March 24th and 25

	In Dynamic Source Routing	Jebajothi	Computing 2010		
7.	Energy Efficient Communication Mechanism for Routing in Mobile Adhoc Networks	Dr. D. Manimegalai H.Maimoon Begum	Emerging IT's - NCEIT' 10	National College of Engineering	Mar 20, 2010
8.	Visual Sensor Networks and ITS Challenges	Dr. D. Manimegalai G.Aravind Swaminathan B.Paramasivan	NCACS-09	Hindustan College of Engineering,	20/02/2009
9.	Image Retrieval System	Dr. D. Manimegalai S.Rathna Jothi S.Sankar Ganesh, Dr.K.Ramar	NCVIT 2009	Government College of Technology, Coimbatore.	March & 2009.
10.	Automated Detection of Blood Vascular Structure in Retinal images	Dr. D. Manimegalai K.Vimala D.Santhi	NCVIT 2009	Government College of Technology, Coimbatore.	March & 2009.
11.	Image Retrieval Based on Annotation - A survey	Dr. D. Manimegalai P.Murugeswari	ENIAC'08	National Engineering College	2008
12.	An Efficient Approach of Video Pre-processing	Dr. D. Manimegalai D.Pushpa Ranjni	ENIAC'08	National Engineering College	2008
13.	Enhanced SRP for trusting the relationship among the nodes in MANET	Dr. D. Manimegalai S.Anantha Preetha N.Shanthi	"Vision'06	GCE,Thirunelveli	2006
14.	Defense Against routing disruptions caused by wormhole attack in mobile Ad-hoc networks	Dr. D. Manimegalai M.Jeyaselvi N.Shanthi	"Vision'06	GCE,Thirunelveli	2006
15.	A collaborative mechanism for secure packet forwarding in Ad-hoc networks	Dr. D. Manimegalai K.Gomathi N.Shanthi	"Vision'06	GCE,Thirunelveli	2006
16.	An Effective Mechanism to Defend against Routing Disruptions caused by Wormhole Attack in Mobile Ad hoc Networks	Dr. D. Manimegalai M.Jeyaselvi N.Shanthi	WebTops'06	Jaya Engineering College, Chennai	2006
17.	Establishing the Trust Relationships among the Nodes using Secure Routing Protocol	Dr. D. Manimegalai S.Anantha Preetha N.Shanthi	WebTops'06	Jaya Engineering College, Chennai	2006

18.	Intrusion detection using DSR protocol in Wireless Ad-hoc networks	Dr. D. Manimegalai K.E.Shenbaga Murugan	WebTops'06	Jaya Engineering College, Chennai	2006
19.	A Reputation Based Mechanism for Secure Packet Forwarding in Ad-hoc Networks	Dr. D. Manimegalai K.Gomathi N.Shanthi	WebTops'06	Jaya Engineering College, Chennai	2006

5. Country visited : China