

Faculty Profile



Name : Dr G.M.Nasira
Designation : Associate Professor & Head
Address : Department of Computer Applications
Chikkanna Government Arts College
Tirupur – 641602. Tamilnadu, India
Contact Number : +91-9894674606
Email ID : nasiragm99@yahoo.com
Date of Joining in Collegiate Education : 28.02.2011
Date of Joining in the Present College : 03.08.2013
Academic Profile :

Degree	Institute/College	University	Period
Ph.D	Mother Teresa Women	Mother Teresa Women	2008
M.Phil	Bharathiar	Bharathiar	2002
M.C.A	Bharathidasan	Bharathidasan	1995
B.Ed	Bharathiar	Bharathiar	1992
B.Sc.	AAC for women	Madras	1990
D.S.M	NIIT, Coimbatore	NIIT, Coimbatore	1991

Teaching Experience

- i) **Total** : **28 Years 10 Month**
ii) **UG** : 28 Years 10 Month
iii) **PG** : 20 Years 1 Month

Name of the college	Position held	Period
Chikkanna Govt. Arts College, Tirupur	Associate Professor	3.8.2013 to till date
Government Arts College, Salem-7	Assistant Professor	28.02.2011 to 03.08.2013
Sasurie College of engineering, Vijayamangalam	Professor & Head	11.07.2007 to 27.02.2011
Park's College, Tirupur	Assistant Professor	1.6.2003 to 10.07.2007
P.K.R Arts College for Women, Gobi	Assistant Prof. & Head	11.4.1997 to 31.05.2003

Honors and Research Awards

: Enclosed -Annexure - I

Field of Interest

- i) **Teaching** : Programming languages, Data mining, Computer networks
- ii) **Research** : Artificial Intelligence, Data Mining, Neural Networks, Image Processing and Soft Computing techniques
- iii) **Proficiency in instrumentation** : -

Research Guidance**Guidance Number** :

(If have more than one university, given them against university name)

S. No	M.Phil/Ph.D	Name of the Student	Thesis Title	Completed/ongoing
Enclosed Annexure - II				

Research Publications :

- i) **Research Papers** : Enclosed Annexure - III
- ii) **Book/Book Chapters** : Authored 3 Books with ISBN
- Web Technology, ISBN: 9789380461106
 - Fundamentals of Middleware Technologies, ISBN: 9789380461052
 - An Introduction to UNIX and Network Programming, ISBN: 9789380461113
- iii) **Patent** : “Process to Display Air purity Index”
 Patent Number : 201941041701 A, Issue No. : 43/2019, Date of Publication : 25.10.2019.

National and International Conferences : Enclosed Annexure – IV

- i) **Participated**
- ii) **Paper Presented**
- iii) **Poster Presented**

Conference/Seminars Organized :

- Organized International Wired Web series, national level online seminar during June 17-19, 2020.
- Organized and coordinated “UGC sponsored Capacity Building of Women Managers in Higher Education “Sensitivity/Awareness /Motivation Workshop” from 6th to 10th May
- Organized offline/online webinars and guest talk in state and national levels.

Workshop attended : Enclosed Annexure – V**Resource Person/Invited Lectures** : Malaviya Mission Teacher Training Programme, UGC-SAM, Technical seminars at various institutions.**Faculty Development Programs Attended** :

Course	University/Institute	Subject	Period
Malaviya Mission Teacher Training Programme	Sri Guru Tegh Bahadur Khalsa College, University of Delhi.	2020 NEP Orientation & Sensitization Programme	13th November to 24th November 2023 (Online)
Malaviya Mission Teacher Training Programme	Guru Angad Dev Malaviya Mission Teacher Training Centre, SGTB Khalsa College, University of Delhi	National Webinar on Awareness of Malaviya Mission Teacher Training Programme	22nd October 2023
Refresher Course	TLC, Ramanujam college, University of delhi	Computer science theme "Next generation Technologies"	29/06/2021 to 13/07/2021 (Online)
Human Resource Development Centre (HRDC) Internal Quality Assurance Cell (IQAC), AMET	Human Resource Development Centre (HRDC) Internal Quality Assurance Cell (IQAC)	Pedagogy And Research Methods	24/05/2021 to 06/06/ 2021 (online)
Two days Training Workshop	TANSCHE	Design, Develop and Deliver online courses through MOODLE platform	15/05/2020 16/05/2020
Refresher Course	HRDC Bharathiar University Coimbatore	Computer Applications	14 days 9/12/2019 to 9/25/2019
Refresher Course	HRDC Bharathiar University Coimbatore	Computer Applications	21 days 11/17/2017 to 12/7/2017
e-Governance RTeG- Train the Trainer	Ministry of Electronics and Information Technology, India	Digital India	7/12/2015 to 19/12/2015
Refresher Course	ASC Bharathiar University Coimbatore	Computer Science and Applications	21 days 11/6/2014 to 11/26/2014
Orientation Course	ASC - University of Madras, Chennai	Intensive training program	28 days 5/4/2011 to 6/2/2011

Academic Activities

:

- i) Subject Handled** : C, JAVA, C++, DATA MINING, NETWORKS
- ii) Class Advisor** : -
- iii) Special Coaching** : SOFT SKILLS-TANSCHE,
- iv) Student Community Beneficial Activities** : Women development Cell, Anti-Ragging

Committee, Tamilnadu Science
Forum, Discipline Committee Member

v) **Co-curricular and extra curricular activities** : Minority Committee Member,
Stock Verification Committee, RUSA
Coordinator (2016-2018)

Professional Activities :

Reviewer : Journal of Convergence Information Technology (JCIT), International, Journal of Computer Theory and Engineering Technology (IJCTE), European Journal of Scientific Research, International Journal of Computer Science & Engineering Technology, International Journal of Computer Science & Engineering Technology, Academy & Industry Research Collaboration Center (AIRCC), Ciit Journal and International Journal of Scientific and Engineering Research.

- i) **Board of Studies/UR** : Board of studies Member – Bharathiar University, CBE, Vivekanadha College, Tiruchegodu, Vellalar College for Women, Erode, Chief Superintendent.
- ii) **Examiner/Scrutiny** : Chairman MCA Question paper Settings Board, Periyar university, Salem, Question paper setter of various colleges, Examiner in UG/PG paper valuation in colleges and universities, Paper Ph.D. thesis Adjudicator of various State/National/ Central and Private Universities, M.Phil. thesis Adjudicator of various Colleges and Universities.
- iii) **Subject Expert** : TRB Subject syllabus Formation member, TRB Subject Question Setter Co-coordinator and member, Directorate of Collegiate Education Guest Lecturer Selection Committee Member, Bharathiar University Staff selection Minority Committee member

National/ International Collaborations : Recognized Trainer for UGC-SAM-TOT-MSEM Capacity Building for Women Managers in Higher Education (UGC 11th Plan), Transcript content development Manual V- Women and Research during UGC 11th Plan

Annexure I

Honors and Research Awards

- Spark Pancharatna Award “ Educational Acheiver”, JCI, Tirupur, Mar’ 2019
- Best Paper at World Congress on Computing and Communication Technologies (WCCCT) 2015
- Best Paper in the International Conference on Advances in Information Technology, iCAIT’14.
- Best Paper in the ICICA 2014.
- Best Paper Award at ICCIC Dec’ 2014 at PARK College of Engineering and Technology, Coimbatore
- Best Paper in the International Conference on Advanced Computing 2013
- Best Faculty 2013- Senior Computer Science Shri P.K.Das Award from Nehru Group of Institutions, Coimbatore.
- Best Teacher Award - P.R.Natarajan Endowmenton, P.K.R.Arts and Science College for Women, Gobi, 2013.
- Best Paper in the National Conference on Soft Computing -2012

- Best Paper Award in the International Conference on Systemics, Cybernetics and Informatics, Jan 2012.
- Best Paper Award in the International Conference on Systemic,Cybernetics and Informatics.
- Best Department Award as a Head for 3 consecutive years, Sasurie College of Engineering @ 2007-2008, 2008-2009 and 2009-2010 respectively and also produced 100% Results for handling various subjects in UG and PG courses during the period.

ANNEXURE – III

Ph.D

Scholar	Year	University	Title	Status
P.Kokila	Jan-2021	Bharathiyar University [Coimbatore]	Enhanced and Integrated machined learning Paradigms for robust voice pathology detection and discrimination	Completed
K.S.Mohana Sundaram	Sept-2019	Bharathiyar University [Coimbatore]	Astrological prediction of ^l rain fall employing data mining techniques	Completed
N.Hemageetha	June-2017	Bharathiyar University [Coimbatore]	Data mining model for based crop price prediction	Completed
V.Inthumathi	Mar-2019	Periyar university [Salem]	Performance evaluation of load balancing techniques for grid environment through hook order pattern Scheduling based TRP Maximization	Completed
D.Seethalakshmi	July-2018	Bharathiyar University [Coimbatore]	cloud storage intrusion Prevention and detection VIA Coalition and Quaternary mechanisms	Completed
A.Kovalan	Feb-2019	Manonmaniya m sundaranar university [Tirunelveli]	Evaluation of Modern digital interactive Learning strategies in Pregraduate student Using data mining algorithm.	Completed
S.Sahaya tamilselvi	Mar-2019	Bharathiyar University [Coimbatore]	Application of particle Swarm optimization Techniques for textile Industry based plain woven Fabric defect dectection and Classification.	Completed
K.Vinod	2020	Bharathiyar University [Coimbatore]	Data mining	ongoing
B.Sasikumar	2021	Bharathiyar University [Coimbatore]	Data mining	ongoing

M.Phil

E.Anushya	Nov-2016	Bharathiyar University [Coimbatore]	Prediction of Survival in Patients with liver Cancer Using KNN IN R Environment and Performance comparison Using naive Bayes and SVM
M.S.Safana paveen	NOV-2016	Bharathiyar University [coimbatore]	Geon expression profiles to classify and clusters. the lymphoma cancer Disease Using KNN, kmeans and fuzzy C-Means algorithms
S.marina	Nov-2015	Bharathiyar University [coimbatore]	Aspect based opinion mining on online Products Using data mining classification Techniques.
P.Thangamani	Nov-2015	Bharathiyar University [coimbatore]	wireless sensor network Based detection of toxic gases Using Artificial Neural network technique
V.Subitha	Nov-2016	Bharathiyar University [coimbatore]	Down syndrome genetic disorders detection Using random forest algorithm and decision. Tree algorithm IN R environment
S.Sandhya	Nov-2017	Bharathiyar University [coimbatore]	Urban Behavior modeling by associative rule algorithm using Geotagged social data

Annexure III- Research Papers

- 1) **Dr. G.M. Nasira** Mr.Sasi Kumar.B , AADM Model Optimizes Bandwidth Aggregation in Networking, Journal of Environmental Science, Computer Science and Engineering & Technology, JECET; December 2022- February2023. Sec. B; Vol.12. No.1, 001-012. E-ISSN: 2278-179X [DOI: 10.24214/jecet.B.12.1.00112].
- 2) **Dr. G.M. Nasira** Vinod K, Novel Adaptive Neuro Fuzzy Inference Modeling Algorithms for Predicting Equity Prices and Indices, International Journal Of Advance Research And Innovative Ideas In Education, Volume 8 Issue 4 2022.
- 3) **Dr. G.M. Nasira** S.Noordeen, "Cloud Data Security in Multi Model Attributes For Randomized Key Service Using Encryption Techniques", Turkish Journal of Computer and Mathematics Education Vol.12 No.2 (2021), 437- 449, 5 April 2021.
- 4) **Dr. G.M. Nasira**, Evaluation of Modern Digital Interactive Learning Strategies In Pre Graduate Students Using Data Mining Algorithm Journal of the Maharaja Sayajirao University of Baroda (UGC CARE Group 1 Journal) Vol. 54 Iss. No. 2(XIV) ,ISSN : 0025-0422,pp 115-126,29 Dec 2020.
- 5) **Dr. G.M. Nasira** J. Vimala Roselin, "Efficient Security Framework for Sensitive Data sharing On Big Data Platform in Cloud Computing," International Journal of Computer Sciences and Engineering, Vol.7, Issue.5, pp.277-280, 2019
- 6) **Dr. G.M. Nasira** J. Vimala Roselin, "Efficient Security Framework for Sensitive Data

- sharing On Big Data Platform in Cloud Computing,” International Journal of Computer Sciences and Engineering, Vol.7, Issue.5, pp.277-280, 2019.
- 7) **Dr. G.M. Nasira**, Kokila "Enhanced Audio Signal Noise Removal using Five Level Fuzzy Haar Wavelet Transform" (ISSN 2005-4238) With Vol. 28 Issue 16 Page No 1122-1126, and year of publication 2019 published by International Journal of Advanced Science and Technology(IJAST).
 - 8) **Dr. G.M. Nasira**, Kokila, An Evolving model of disorder detection using deep belief Network, International journal of computer trends and technology (IJCTT) vol 67, issue 8, Aug 2019.
 - 9) **Dr. G.M. Nasira**, Kokila, Uncertainty handling using improvised intuitionistic fuzzy ANN based voice disorder detection, International journal of recent technology and engineering (IJRTE) vol 8 issue2, July 2019.
 - 10) **Dr. G.M. Nasira**, Kokila, perspective analysis of voice disorder detection using various approaches, International journal of computer science and engineering (IJCSE) vol 7, issue 4, April 2019.
 - 11) **Dr. G.M. Nasira**, Kokila, Potential feature extraction using Meyer wavelet transform and dimensionality reduction using sequential forward feature selection for voice pathology detection" International journal of research in electronics and computer engineering (IJRECE) vol7 issue 2,issn: 2393-9028.,2019.
 - 12) **Dr. G.M. Nasira** and K.S. Mohanasundaram, “Rainfall Prediction Based on Almanac using Association Rules”, International Journal of Pure and Applied Mathematics, Volume 119, Issue 16, pp. 287-291, ISSN: 1314-3395 (**Scopus Indexed**) 2018.
 - 13) **Dr. G.M. Nasira** and K.S. Mohanasundaram,“Exploiting Clustering Technique for Almanac Based Rainfall Prediction”, International Journal of Management, Technology and Engineering, Volume 8, Issue. 9, pp. 1814-1817, ISSN: 2249-7455 (**UGC Indexed**), September – 2018.
 - 14) **Dr. G.M. Nasira** and K.S. Mohanasundaram,“Comparison of Rainfall Prediction Based on Almanac Using Data Mining Techniques”, International Journal of Innovative Technology and Creative Engineering, Volume 8, Issue 7, pp. 504-508, ISSN: 2045-8711(**UGC Indexed**), July – 2018.
 - 15) **Dr. G.M. Nasira** and K.S. Mohanasundaram, “Comparative Analysis for Prediction of Rainfall Using Data Mining Techniques Based on Almanac”, Journal of Advance Research in Dynamical & Control Systems, Volume 10, Issue 5, pp. 292-296, ISSN: 1943-023X (**Scopus & UGC Indexed**), April – 2018.
 - 16) **Dr. G.M. Nasira**, N. Hemageetha, “Analysis of Soil condition Based on pH value Using Classification Techniques”, IOSR Journal of Computer Engineering (IOSR-JCE) e- ISSN: 2278-0661,p-ISSN: 2278-8727, Volume 18, Issue 6, Ver. III (Nov.-Dec. 2016), PP 50-54.
 - 17) **Dr. G.M. Nasira**, N. Hemageetha, “Availability of Macro Nutrients Status in Salem District Soil using Data Mining Classification Techniques “, International Journal Of Control Theory And Applications ISSN: 0974-5572 Dec 2016 9(40) PP 57-66 (Scopus)
 - 18) **Dr. G.M.Nasira** N. Hemageetha “Classification of Soil Type in Salem District Using J48 Algorithm “International Journal Of Control Theory And Applications ISSN: 0974-5572 Dec 2016 9(40) PP 333--41 (Scopus)
 - 19) **Dr. G.M.Nasira** and Dr. A.Geetha “Time-series modeling and forecasting: modeling of rainfall prediction using ARIMA model” International Journal of Society Systems

- Science, Index Science Publications: Vol 8, No 4 ,Oct 2016.
- 20) **Dr. G.M.Nasira** and BalaDhandayuthapaniVeerasingam, Approaching Developments on Parallel Programming Models through Java, i-manager's Journal on Software Engineering, (ISSN: 0973-5151(Print), 2230-7168(Online)),Volume: No. 10, Issue: 3, Pages:14-19, Dec 2016.
 - 21) **Dr G.M.Nasira** ,V.Vallinayagi, "Performance Analysis of DYMO, AODV and TORA in MANET" International trends on research and DepartmentISSN: 2394-9333, Special Issue | ACSA-16, September 2016.
 - 22) **Dr G.M.Nasira**, V.Vallinayagi,"A Novel Paradigm Selection Algorithm in Opportunistic Routing. "International Journal on Intelligent Electronics Systems. Jan2016, Vol. 10 Issue 1, p1-6. 6p.
 - 23) **Dr G.M.Nasira** ,V.Vallinayagi, ," Next Hop Selection in Diplomat Path for Opportunistic Routing", International Journal of Innovative Research and Advanced Studies (IJIRAS), ISSN: 2394-4404,
 - 24) **Dr. G.M.Nasira** and N.Hemageetha, Analysis of the Soil Data Using Classification Techniques for Agricultural Purpose", INTERNATIONAL Journal of Computer Sciences and Engineering E-ISSN 2347-2693, 4(5), 2016.
 - 25) **Dr. G.M.Nasira** and N.Hemageetha, Availability of Macro Nutrients status in Salem District Soil Using Data Mining Classification Techniques, IIR Second Virtual Conference on Science, Engineering and Technology Applications Integrated Intelligent Research, Chennai, India, IIR free journal publishers,IIRSVCSETA 2016.
 - 26) **Dr. G.M.Nasira** and N.Hemageetha, Classification of Soil type in Salem District Using J48 Algorithm, IIR Second Virtual Conference on Science, Engineering and Technology Applications Integrated Intelligent Research, Chennai, IIR free journal publishers India IIRSVCSETA 2016.
 - 27) **Dr. G.M. Nasira** and N. Hemageetha, A Survey on application of Data Mining Techniques to Analyze the Soil for Agricultural purpose, Proceedings of the 10th INDIACOM; INDIACOM-2016; IEEE Conference ID: 37465 2016 3rd International Conference on "Computing for Sustainable Global Development", Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA), ISSN 0973-7529; ISBN 978-93-80544-20-5, March 2016.
 - 28) **Dr G.M.Nasira** ,V.Vallinayagi,"An Analysis of Geographical location based Routing Protocol, Recent Advances in Computer Science,WEAS, ISBN: 978-960-474-393-3.
 - 29) **Dr. G.M.Nasira** and R.Umadevi "Video Steganography Based on Hash Polynomial Function for Secure Communication", Indian Journal of Science and Technology, Vol 8(23), DOI:10.17485/ijst/2015/v8i34/IPL0871, September 2015, ISSN (Print): 0974-6846, ISSN (Online) : 0974-5645.
 - 30) **Dr G.M.Nasira** ,V.Vallinayagi. "NDEL Based Performance Analysis of Position Based Protocols, International journal on Science and technology, vol-8, issue 23, Sept2015, 0974-6846
 - 31) **Dr. G.M. Nasira** and R.Vidya, A Novel Medical Support System for the Social Ecology of Cervical Cancer: A Research to Resolve the Challenges in Pap Smear Screening and Prediction at Firm Proportion (CART), Advances in Natural and Applied Sciences(Anna-university.-Annexure-II) (AENSI)-ISSN: 1995-07729(6), pp. 633-638, 2015.
 - 32) **Dr. G.M.Nasira** and S.Sahaya Tamil Selvi, Noise removal of fabric images in Automated Fabric Inspection System using Digital Image Processing, International

- journal of Applied Engineering Research (IJAER) (ISSN : 0973 – 4562)(Print)), (ISSN : 0973 – 4562)(Online)), Vol. 10, Number 69, pp-364-367, July 2015.
- 33) **Dr. G.M. Nasira** and R.Vidya, Impact of Web-based Education on women with cancer- An Interactive consultation for formalization of Knowledge, International Journal of Management and Social Research Review (IJMSRR)-ISSN 2349-6746-Vol 1.4-pp-182- 188-2015.
 - 34) **Dr. G. M. Nasira** and Dr T.S.S. Balaji “Solving Euclidean multifacility location problems under circular area constraints using Rprop”, International Journal of Artificial Intelligence and Soft Computing, Inderscience Publications, Oct, 2015, Print ISSN: 1755-4950 Online ISSN: 1755-4969.
 - 35) **Dr. G.M. Nasira** and R.Vidya, The Early Detection and Handling of Cervical Cancer with Nanotechnology and Biomarkers – A Comprehensive Study, International Journal of Applied Engineering Research (IJAER)-(Anna-university-Annexure-II) ISSN: 0973- 4562,vol10-pp-387-391- 2015.
 - 36) **Dr. G.M. Nasira** and A. Kovalan, “Effects of Computer Applications in Creative Activities”. Published at Asian Journal of Science and Applied Technology (AJSAT), Vol. 4 No. 1, 2015, pp. 32-37,ISSN: 2249-0698 (Jan – Jun 2015).
 - 37) **Dr. G.M. Nasira** and R.Vidya, A Pioneering Cervical Cancer Prediction Prototype in Medical Data Mining using Clustering Pattern, International Journal of Computing Algorithm (IJCOA) ISSN:2278-2397-vol-04-pp. 1391-1395- 2015.
 - 38) **Dr. G.M. Nasira** and R.Vidya, Cervical Cancer related Knowledge and the Need for Clustering and Classification in Intelligence Screening – A Analysis, Global Journal of Pure and Applied Mathematics(GJPAM) Anna-university.-Annexure-II ISSN: 0973-1768, vol-11.2:pp- 699-714, 2015.
 - 39) **Dr. G.M. Nasira** and R.Vidya, Knowledge Extraction in Medical Data Mining: A Case Based Reasoning for Gynecological Cancer - An Expert Diagnostic method, Asian Research Publishing Network (ARPN) Anna-university-Annexure-II ISSN: 1819-6608- vol-10.9, pp-3997-4001-2015.
 - 40) **Dr. G.M. Nasira** and V.Vallinayagi, “NDEL based Performance Analysis of Position based Opportunistic Routing Protocols”, Indian journal of Science and technology, Online ISSN: 0974-5645, Volume 8, Issue 23, September 2015.
 - 41) **Dr. G.M. Nasira** and SriPriya.PV and Geetha A., “Cyclone storm prediction using KNN algorithm”, Indian Journal of Engineering, ISSN 2319 – 7757,EISSN 2319 –7765. © 2015 Discovery Publication. 12(30), pp. 350-354, September 2015.
 - 42) **Dr. G.M.Nasira**, A. Geetha “Cyclone Storm Prediction Using K-NN Algorithm”, Published in the Proceedings of DST sponsored National Conference on Information Processing in Sensor Networks (IPSN '15), on Aug 20th, 21st August 2015 at Sona College of Technology, Salem.
 - 43) **Dr. G.M. Nasira** and Mrs.S.Radhimeenakshi, “Remote Heart Risk Monitoring System Using Efficient Neural Network And Evolutionary Algorithm”, Indian Journal of Science and Technology, Vol 8. Issue 14, July 2015.
 - 44) **Dr. G.M. Nasira** and Kalaiselvi. C, “Prediction of Heart Diseases & Cancer in Diabetic Patients Using Data mining techniques” paper published in Indian Journal of science and technology” Indian Journal of science & Technology(INDJST), Volume 8, Issue 14, JULY 2015 ISSN(PRINT)- 0974-6846 ISSN(Online)-0974-5645 & indexed by SCOPUS.
 - 45) **Dr. G.M. Nasira**, R.Umadevi “Secure Irreversible Rapid Fourier Transform for Secure Communication in Video Steganography”, International Journal of Computational

- Intelligence and Informatics, Vol. 5: No. 1, June 2015 ISSN: 2349 – 6363.
- 46) **Dr. G.M. Nasira**, Ranjitha M ,Digital Watermarking of Images using Modified hybrid Approach in Dual Domain, International Journal of Computational Intelligence and Informatics,ISSN: 2349-6363, Vol. 5: No. 1,pp:1-6, June 2015
 - 47) **Dr. G.M. Nasira** and P.M.Gomathi, , ‘Detection of dyslexia from eye movements using ANFIS & BPWPE Feature Extraction methods’, International Journal of Engineering and Science(IJES), vol.5, Issue.1, 2015.
 - 48) **Dr. G.M. Nasira** and P.M.Gomathi, ‘An Efficient Feature Extraction approach with improved ANFIS model for detection of dyslexia from eye movements’, Research Journal of Applied Sciences Engineering and Technology, Maxwell Scientific Publications(UK), vol.9, issue.5, 2015.
 - 49) **Dr. G.M. Nasira** and P.M.Gomathi, ‘Dyslexia Detection from eye movements using MPCA for preprocessing and HMARM for feature extraction with RLS & PSO model for detection’, International journal for Advanced computer applications (IJACA), vol.4, issue.1, Issn-2231-251X. 2015.
 - 50) **Dr. G.M. Nasira**, Kovalan.A"Effects of Computer Applications in Creative Activities", Asian Journal of Science and Applied Technology (AJSAT), Vol. 4 (1), pp. 32-37 ISSN: 2249-0698, IF=1.4.
 - 51) **Dr. G.M. Nasira**, Kovalan.A, "Effects of Interactive Learning Strategy in Creative Writing at Middle Stage ", International Journal of Control Theory and Applications, Volume 9 | Issue 40 ISSN: 0974 - 5572 Pages 1181-1188, UGC Approved Journal Serial No. 2003.
 - 52) **Dr. G.M. Nasira**, Kovalan.A, "Effects of Integrated Technology in Creative Writing", Asian Journal of Convergence in Technology, Volume 3, Issue 2, IF = 2.71, ISSN: 2350-1146.
 - 53) **Dr. G.M. Nasira**, Ranjitha M, Identifying Renal Calculi Using Different Techniques, International Journal of Computer Applications, ISSN: 2250-1797, pp.15-18,May 2015.
 - 54) **Dr. G.M. Nasira** and Mrs.S.Radhimeenakshi “Prediction of Heart Disease using Neural Networks with Back Propagation”, IJCOA, volume 4, March 2015. PRINT ISSN. 2278- 2397, Pages 1166-1169.March 2015.
 - 55) **Dr. G.M. Nasira**, Ranjitha M,Region Descriptors to Extricate Renal Calculi by Discerning Artifacts from Ultra Sound Images, Research Journal of Applied Sciences, Engineering and Technology, Maxwell Publications, ISSN: 2040-7459, Vol 5, Issue 3,pp. 374-379,March 2015
 - 56) **Dr. G.M. Nasira** and Kalaiselvi. C, “Classification and Prediction of heart disease from diabetes patients using hybrid particle swarm optimization and library support vector machine algorithm” paper published in International Journal of Computing Algorithm (IJCOA) volume 4, March 2015. PRINT ISSN. 2278-2397, Pages 1403-1407.
 - 57) **Dr. G.M. Nasira**, R.Umadevi, ”Achieving Secret Communication on Video files Using Steganography, International Conference on Computing and Intelligence Systems Volume: 04, Special Issue: March 2015, Pages: 1290 – 1294 ISSN: 2278-2397, International Journal of Computing Algorithm (IJCOA).
 - 58) **Dr. G.M. Nasira**, Ranjitha M, Analyze And Differentiate Uric Acid Stones And Calcium Stones From Images Using Statistical Parameters, ICTACT Journal On Image And Video Processing, ISSN: (Online) 0976-9102, Vol: 05, Issue: 03, pp. 980-983, February 2015.

- 59) **Dr G.M.Nasira** ,V.Vallinayagi,"Concert in Location Based Multihop Forwarding Through Position Based Routing Protocol, National Journal on Electronic Sciences & Systems, Vol. 6 No. 2 October 2015.
- 60) **Dr G.M.Nasira** ,V.Vallinayagi,, "A New Algorithm in AODV-LR Routing Protocol in Mobile ADHOC Networ International conference on Advanced computing, ELSEVIER, ISBN-989351072461, pageno-190,2014
- 61) **Dr G.M.Nasira** ,V.Vallinayagi, ," Selection of Forwarding Area with I trust Assortment "International Journal of Computer Networks and Wireless Communications (IJCNWC), vol 3 no 3 October-Dec 2014.
- 62) **Dr G.M.Nasira**.,V.Vallinayagi,"A New Algorithm in Route Discovery Mechanism for Energy Optimization in Mobile ADHOC Network. "International Journal of Computing Algorithm, Volume: 03, May 2014, Pages: 959-963
- 63) **Dr. G.M. Nasira** and Mrs.S.Radhimeenakshi, "Evaluating the prediction of Heart failure towards health Monitoring using Particle Swarm Optimization", RJASET, Maxwell science Publication, Vol 8 issue 21, Pages: 2161 – 2166 Dec 2014.
- 64) **Dr. G.M. Nasira**, R.Umadevi"Video Steganography Secure Communication System Using Enhanced Most Significant Bit Irreversible Method, International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 9, Number 23 (2014) pp. 19453-19468, © Research India Publications.
- 65) **Dr. G.M. Nasira** and Geetha A, "Artificial Neural Networks' Application in Weather Forecasting – Using Rapid Miner". Published in International Journal of Computational Intelligence and Informatics, vol. 4: No. 2, October - December 2014.
- 66) **Dr. G.M. Nasira** and Geetha A "RSS Feeds, ATOM Feeds and Web Services: A Comparative analysis to relay Weather Forecasting", International Journal of Current Trends and Research, ISSN 2278-8042, 3 (2):pp. 120-125, 2014.
- 67) **Dr. G.M. Nasira** and BalaDhandayuthapaniVeerasamy, NativePThreads on Android Platform using Android NDK, KARPAGAM Journal of Computer Science (KJCS), (ISSN : 0973-2926),Volume 9, Issue 1, pp 1-18, November-December 2014.
- 68) **Dr. G. M. Nasira** and R.Vidya, Exploring Clinical Reasoning in Novices: Knowledge Sharing System between Social Media and Medical Professionalism, Data Mining and Knowledge Engineering (Coimbatore Institute of Information Technology (CiiT)) ISSN: 0974 – 9756, vol (6): 349-353, 2014.
- 69) **Dr. G. M. Nasira** and R.Vidya, A Theoretical study on cervical cancer Assessment and Need of Computerization in Cervical Cancer Early Detection Program,International Journal of Emerging Trends in Computing and Communication Technology (IJETCCT), ISSN: 2348-4454, vol-1.1,pp-35-37- 2014.
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Annexure - IV

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 - 41) **Dr. G.M. Nasira** and BalaDhandayuthapaniVeerasingam, Java NativePThreads for Win32 Platform, World Congress on Computing and Communication Technologies (WCCCT’14), (ISBN: 978-1-4799-2876-4/14), pp.195-199, Feb. 27 2014-March 1 2014, Tiruchirappalli.
 - 42) **Dr. G.M. Nasira** and **Kalaiselvi. C**, “A New Approach for Diagnosis of Diabetes and Prediction of Cancer using ANFIS” paper presented inIEEE International conference

on World Congress on Computing and Communication Technologies (IEEE-WCCCT'14),

Proceedings of IEEE Conference publications- FEB 2014. PRINT ISBN 978-1-4799-2876-7, Pages. 188-190 & indexed by SCOPUS.

- 43) **Dr. G.M.Nasira** and S.Sahaya Tamil Selvi , A Study on effective Application of Particle Swarm Optimization in various stages of Digital Image Processing , First International Conference on Advanced Computing ,(ICAC), Sri saradha College, Tirunelveli , Proceedings Published in Elsevier Publications on 21st January,2014.
- 44) **Dr. G. M. Nasira** and R.Vidya, Expertise by Unravelling the Unlimited Human Potential for Connecting Talents using PKM and AI, International Conference on Advanced Computing, Sri Sarada College for Women, Tirunelveli-Proceedings published in Elsevier- January 2014.
- 45) **Dr. G.M.Nasira** and A.Geetha, A paradigm shift in Weather now casting: Weather Notification alerts triggered to mobile devices using Global System for Mobile Communication, ICAC-2014, and Elsevier's &T publications 2014 pp. 49-52.
- 46) **Dr. G.M. Nasira** and **Kalaiselvi. C**, "Analysis and Prediction of heart Diseases in Diabetic patients using clustering techniques" 6th Annual Research Congress KUARC-2014.
- 47) **Dr. G. M. Nasira** and Ranjitha.M ,Extraction of Renal Calculi & differentiating Artifacts in ultra sound kidney images, International Conference on Advance Computing, , Sri Saradha College for women, Tirunelveli, 21st Jan 2014.
- 48) **Dr. G.M. Nasira** , BODJE N'Kauh Nathan-Regis, Agile Methods and Quality_ A Survey, The Second International Conference on Information Technology Convergence and Services (ITCSE 2013), Volume 3, Number 9, 2013, ISBN : 978-1-921987-28- 1,AIRCC publishing corporation., Bangalore, Dec 20 ~ 21 – 2013.
- 49) **Dr. G.M. Nasira** and P.Banumathi, Automated Fabric Inspection System using Image Processing, IEEE International Conference on Advanced Computing, Machines and Embedded Technology, ISBN:978-93-80757-74-2, India, 2013.
- 50) **Dr. G.M. Nasira** and Kalaiselvi. C, "Diagnosis of Diabetes and Cancer using ANFIS & AGKNN"5 th Annual Research Congress KUARC-2013.
- 51) **Dr. G.M. Nasira**, S. Vijayakumar, Improving the performance of secured backup Ad-hoc routing protocol by Artificial Neural Networks, International Conference on Computer Applications and Information Technology, Hindustan College of Arts & Science, Coimbatore, and 17th Dec 2013.
- 52) **Dr. G.M. Nasira** , R. Kavitha, SamitaMondal & Aishwarya Smridhi, - HARC - Hierarchical Activity Recognition System using Clustering for Smart Home, International Conference ERCICA - 2013,NITTE- Bangalore ISBN - 978-93-5107-102-0,Paper Published in ELSEVIER proceedings , Aug 2nd& 3rd 2013.
- 53) **Dr. G.M.Nasira** and J John Victor Antony ,Towards Predictive Maintenance and Management in Rail Sector: A Clustering Approach, ICRTIT 2013, Madras Institute of Technology, Chennai, July 26th 2013.
- 54) **Dr. G.M. Nasira** and P.Banumathi ,On line Fabric Inspection System ,International Conference (ICTACT 2013) ,JKKN College of Engineering and Technology, Komarapalayam, March 2013.
- 55) **Dr. G. M. Nasira** and N. HemaGeetha, Radial basis function model for Vegetable Price Prediction, International Conference on Pattern Recognition, Informatics and Medical Engineering , Periyar university,IEEEExplore, Page(s):424 – 428,21st& 22nd

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- 56) **Dr. G.M. Nasira** and P. Banumathi, Automated Woven Fabric Inspection System using Fourier Analysis, National Conference on Innovations in Computers Information & Communication NCICIC- 2013 held on 23rd February 2013 at Easa College of Engineering and Technology, Coimbatore.
- 57) **Dr. G. M. Nasira**, An Efficient Neural Network approach for solving Semi-Open Rectangular Multifacility Location Problem with Area Constraints, 100th indian science congress, Kolkata 3rd to 7th Jan,2013
- 58) **Dr. G.M. Nasira** and P.Banumathi , Inspection of Faults in Textile Web Materials using ANN", IEEE International Conference on Advanced Computing, Communication Systems, India, 2013.
- 59) **Dr. G. M. Nasira** and R.Vidya , Artificial Intelligent Quotient with Human Intelligence, International conference NCCIS2012, D.G.Vaishnav College, Chennai, Oct(12-13) 2012.
- 60) **Dr. G.M.Nasira** and P.Banumathi, Automated Fabric Defect Detection based on Backpropagation Networks in the International Conference on Advanced Technologies for Research & Product Development , Kathir College of Engineering, Coimbatore, 03rd& 04th Sep 2012.
- 61) **Dr. G.M. Nasira** and N. Hemageetha, Vegetable Price reduction Using Data Mining Classification Technique, International Conference on Pattern Recognition, Informatics and Medical Engineering PRIME 2012 Periyar university,978-1-4673-1039- 0/12/\$31.00©2012 IEEE, Page(s):99 – 102,Print ISBN:9781467310376, 21-23 March 2012.
- 62) **Dr. G.M. Nasira** and R.Vidya , KT in Bio-DNA Embedded Chips with HPP, International conference ICCIA 2012, Vivekananda Institute of Engg.& Tech.,Tiruchengode, March (1-3) 2012.
- 63) **Dr. G.M. Nasira** and P.Banumathi , Automated Fabric Defect Detection based on Back propagation Networks, International Conference on Advanced Technologies for Research & Product Development, Coimbatore, 2012
- 64) **Dr. G.M.Nasira** and P.Banumathi, Handwritten recognition using Neural Network approach, ICCCA2012, PSNA Engineering College, Dindugul, 22 to 24 Feb 2012.
- 65) **Dr. G. M. Nasira** and P. Banumathi , Handwritten Tamil Character Recognition using Artificial Neural Networks, 2011 International Conference on Process Automation. Control and Computing, Coimbatore Institute of technology, Coimbatore, 20-22 July 2011.
- 66) **Dr. G.M.Nasira** and S. Ashok Kumar , Forecasting the File and Accessing in Advance by Artificial Neural Networks Poster Presentation, , International conference on process automation control and systems, CIT, Coimbatore, 20-21 July 2011.
- 67) **Dr. G. M. Nasira**, Performance Prediction of ANN Approach to solve EMFLP Under Semi Open Rectangular Area Constraint, International Congress on Productivity, Quality, Reliability, Optimization and Modeling (ICPQROM 2011), New Delhi, 07th & 08th Feb 2011.
- 68) **Dr. G. M. Nasira** and P. Banumathi, Off-Line Handwritten Character Recognition with Hidden Markov Models, International Conference on Innovative Research in Engineering & Technology, ICIRET, Park College of Engineering and Technology, Kaniyur, Aug 12 -14, 2010.

- 69) **Dr. G. M. Nasira** and S. Ashok kumar, A Backpropagation Neural Network Implementation for Hybrid Alogorithm in Solving Integer Linear Programming Problems Conference, International Conference on Computing, Communication and Network Technologies (ICCCNT – 2010), Chettinad College of Engineering & Technology, Karur, 29-31 July 2010.
- 70) **Dr. G. M. Nasira**, A Comparative Study on Neural Network Algorithm Approaches to Multifacility Location Problems Under Triangular Area Constraints, International Conference – Systemics, Cybernetics and Informatics (ICSCI-2010), Hyderabad, 27 - 30 Jan 2010.
- 71) **Dr. G. M. Nasira**, Solving Euclidean Distance Multifacility Location Problems under Circular Area Constraints Using RBPNN, International Conference on Simulation Modeling and Analysis (COSMA 2009), NIT, Calicut, Dec 17-19, 2009.
- 72) **Dr. G. M. Nasira**, S. Ashok Kumar and D. Sharmiladevi, Design and Implementation of a Neural Network Architecture for Distance Measures in Optimization, The International Conference on Operations Research Applications in Engineering and Management (ICOREM), Anna University Tiruchirappalli, 27 - 29 May 2009.
- 73) **Dr. G. M. Nasira**, S. Jayashankari, Optimization of Linear Programming Problems using Artificial Neural Networks, The International Conference on Operations Research Applications in Engineering and Management (ICOREM), Anna University Tiruchirappalli, 27 - 29 May 2009.
- 74) **Dr. G. M. Nasira** and A. K. Santra, Application of Neural Networks to a Multifacility Location Problem Under Circular Area Constraint, International Conference - Systemics, Cybernetics and Informatics (ICSCI-2008), Hyderabad, 7 - 10 Jan 2009.
- 75) **Dr. G. M. Nasira** and A. K. Santra, Application of Neural Networks to Multifacility Location Problem under Circular Area Constraint with Euclidean Norm having Interactions between Sources and Destinations, International Conference on Artificial Intelligence and Pattern Recognition (AIPR-07), Orlando, Florida, USA, 9 - 12 July 2007.
- 76) **Dr. G. M. Nasira** and A. K. Santra, A Neural Network Approach to Multifacility Location Problem under Semi-Open Rectangular Area Constraint, International Conference – Systemics, Cybernetics and Informatics (ICSCI-2007), Hyderabad, 3 - 7 Jan, 2007.
- 77) **Dr. G.M.Nasira** and K. Lalithamani, An Approach to Unique Factorization Theorem using Association Rule through Data Mining, International Conference on Mathematics & Computer Science, Loyola College, Chennai, 1st - 3rd March 2007.
- 78) **Dr. G. M. Nasira**, and M. Kovalan, The Effectiveness of Multimedia Tools on E-Learning System, International Conference, PGP College of Engineering and Technology, Namakkal, 25th & 26th Oct 2005.
- 79) **Dr. G. M. Nasira**, Internet & Intranet Applications, International Conference, Adikalamatha Institute of Management, Thanjavur, 29th Sep 2005.

Papers Presented in National Conferences

1. **Dr. G.M.Nasira** and B.Sasikumar “Technological Innovation for Startup Enterprise and Development by using the Internet of Things & its Applications, National conference on applications of intelligent robotics automation”, PSGR Krishnammal college for women, Coimbatore 25th march 2022.

2. **Dr. G.M.Nasira** and B.Sasikumar National Virtual Conference “New Education Policy: A Quality Enhancer for Inculcation of Human Values in Higher Education Institutions” National Virtual Conference “New Education Policy: A Quality Enhancer for Inculcation of Human Values in Higher Education Institutions” 2021.
3. **Dr. G.M.Nasira**, D.Suganthi and A.Geetha “Perspectives on Real Time Applications of Data Mining”, at National Conference on Innovative trends in information technology (NCITIT-2K16) on 5th march 2016 at Parks’ College, Tirupur.
4. **Dr. G. M. Nasira** and A. Geetha, “A Study about the use of Ensemble Algorithm in Sentiment Mining and Weather Forecasting”, published in the proceedings of Tech Crunch National Seminar on Trendy Technologies in Computer Science and Applications for 9th Jan’ 2015 at Maharaja Arts and Science College for women, Dharapuram.
5. **Dr. G.M. Nasira** and P.M.Gomathi, ‘Dyslexia detection using different eye movements signals’, State Level Seminar on Recent Trends in Computing and Data Science, Sri PSG Arts and Science college for Women, Salem, 6th Feb 2015.
6. **Dr. G. M. Nasira** and A. Geetha, Impact of Cloud Computing in weather forecasting, published in the proceedings of UGC sponsored National conference on Mobile Cloud 2014, Vivekananda CAS for women, Tiruchengode, 22nd Dec2014.
7. **Dr. G. M. Nasira** and A. Geetha, “Personalized services through smart devices: A rainfall prediction model using ID3Decision tree” Published in the proceedings of UGC sponsored National conference on Mobile cloud 2014 at Vivekananda college of arts and sciences for women, Tiruchengode.
8. **Dr. G.M. Nasira** and P.M.Gomathi, ‘Methods for Analysis and Classification of reading eye movements of dyslexic children’, National level Seminar on ‘Exploration of Computation and Information Technology’-Providence College for Women, Coonoor, 27th Sep 2014.
9. **Dr. G.M. Nasira** and P.M.Gomathi, A Novel Feature Extraction For Detection Of Dyslexia From Eye Movements, National conference on Emerging computing technology, September 23rd 2014,Sri Ramakrishna mission vidyalaya College of arts and science.
10. **Dr. G.M. Nasira** and P.M.Gomathi, ‘A Study on dyslexia detection using neural networks’, National level Seminar on New Innovations in computing Technology-Navarasam arts and science college for women, Erode, 12th Sep 2014.
11. **Dr. G.M. Nasira**, P.M.Gomathi, ‘A Study on dyslexia and Learning Challenges’, National Seminar on Smart Approaches in Computing Technologies and its Applications, Dr. R.V. Arts and Science College, Karamadai, 12th Sep 2014.
12. **Dr. G.M. Nasira** and P.M.Gomathi, ‘Dyslexia detection from eye movements’, State level Conference on Cyber Security (SLCCS-2014), P.K.R. Arts College for Women, Gobichettipalayam, 26th Aug 2014.
13. **Dr. G.M. Nasira** and Mrs.S.Radhimeenakshi “ A study on Prediction of Heart Disease using Data Mining Techniques”, National Conference on Challenges in Computational Research and Applications, Sree Saraswati Thyagaraja College, Pollachi, Dec 2013.
14. **Dr. G.M. Nasira**, R.Umadevi, Violence Against women and children – reforms and remedies, National Conference on violence Against women and children– reforms and remedies, Mother Theresa Women’s University, March 8th& 9th 2013.
15. **Dr. G.M. Nasira**, J John Victor Antony, Application of Data mining technologies to

- Rail Sector: The possibilities, Fourth National conference on Emerging trends in information technology.(ETIT 13), Christ University, Bangalore,28th Feb 2013.
16. **Dr. G.M. Nasira** and R.Umadevi, Secure Communication System Using Neural Network Approach in Steganography, National Conference on emerging trends in rough sets, fuzzy sets data mining and granular – soft computing, Kongu Engineering College, Perundurai, Aug 3rd and 4th 2012.
 17. **Dr. G.M. Nasira** and V.Indhumathi, Achieving fault tolerance in grid through platform LSF, National Conference on emerging trends in rough sets, fuzzy sets data mining and granular – soft computing ,Kongu Engineering College, Perundurai, Aug 3rd and 4th 2012
 18. **Dr. G.M. Nasira**, R.Umadevi, A secure communication system through anti-forensics with steganographic data embedding, National Conference on advances in computer applications, Bharathiar University, Coimbatore, 28thMar 2012.
 19. **Dr. G.M.Nasira** and Mrs.S.Radhimeenakshi “ Prediction of Heart Disease using Data Mining Technique”, National conference on Soft Computing, CMR institute of Management Studies, Bangalore university, Bangalore, Feb 2012
 20. **Dr. G.M. Nasira**, R.Umadevi “A secure communication system using skin nature images based Steganography”, National Conference on soft computing, Department of IT, CMR inst. Of mgmt studies, Bangalore, Feb 24th and 25th 2012
 21. **Dr. G.M. Nasira** and V.Indhumathi, Fault tolerance within grid environment using platform LSF ,National Conference on soft computing,Department of IT, CMR inst. Of mgmt studies, Bengaluru, Feb 24th and 25th 2012.
 22. **Dr. G.M. Nasira** and John Victor Antony, Application of Data mining technologies to Rail Sector: The possibilities, Fourth National conference on Emerging trends in information technology (ETIT 13), Christ University Bangalore, 28th Feb 2012.
 23. **Dr. G.M. Nasira** and R.Vidya , Fuzzy system for Diagnosis and Treatment for Cancer, National conference NCSC-12, CMR Institute of Management Studies, Bangalore, 24-25 Feb 2012.
 24. **Dr. G.M. Nasira** and N. HemaGeetha, Study on data mining classification techniques in agriculture, National Conference on Innovations and Computing Methodologies NCICM 2011 Department of Information Technology & Computer Science Bharathiar University, Coimbatore. ISBN: 978-93-80769-13-4 PP: 154-158,16th Dec 2011.
 25. **Dr. G.M.Nasira**, D.Sharmila Devi, A Survey on ART network, National Conference on Computer vision and communication systems, Kathir college of Engineering and Technology, Coimbatore,27th Sep, 2011.
 26. **Dr. G.M. Nasira** and P.Banumathi , Fabric Defect Detection systems, National Conference on Computer Vision & Communication Systems (NCVCS¹¹) held on 27th August 2011 at Kathir College of Engineering, Coimbatore
 27. **Dr. G. M. Nasira**, S. Ashok Kumar and M.Sivakumar, Algorithms in Solving Integer Linear Programming Optimization Problems, National Level Conference on Computer Intelligence and Applications, Care School of Computer Applications, Tiruchy, 11th and 12th Mar 2011.
 28. **Dr. G.M. Nasira**, S. Vijayakumar and P. Dhakshinamoorthy, Performance Evaluation of Destination Sequenced Distance Vector and Dynamic Source Routing, National Level Conference on Computer Intelligence and Applications, Care School of Computer Applications, Tiruchy, 11th and 12th Mar 2011.
 29. **Dr. G.M. Nasira**, S. Jayasankari and M.Sivakumar, A Survey on Meta-Heuristics

- Algorithm, National Level Conference on Computer Intelligence and Applications, Care School of Computer Applications, Tiruchy, 11th and 12th Mar 2011.
30. **Dr. G.M. Nasira** and S. Ashok Kumar, A Perspective on Data Mining, Data Warehousing and Artificial Neural Networks, UGC Sponsored National Conference on Data Warehousing and Data Mining, Gobi Arts & Science College, Gobichettipalayam, 4th and 5th Mar 2011.
 31. **Dr. G.M.Nasira** and S. Ashok Kumar, Analysis on various Back propogation conjugate gradient algorithms, National Conference on Recent trends in Soft Computing, NCRTSCI-2010, Thiagarajar School of Management, Madurai.
 32. **Dr. G.M.Nasira**, Performance Analysis of Private Encryption Algorithms, National Conference on Sytemic, Cybernetics & Informatics (SCI), sponsored by DST, Kongu Engineering College, Perundurai, 23rd and 24th Oct 2009.
 33. **Dr. G. M. Nasira** and P. Banumathi, Finger print identification using image processing and Neural Network Approaches, National Conference on Computer & Communication, Sri Vasavi College, Erode, July 2009.
 34. **Dr. G. M. Nasira**, S. Ashok Kumar, and S. Vijayakumar, Performance Analysis of Batch Gradient Descent and Conjugate Gradient Backpropagation Algorithms, National Conference on Advances in Computational Intelligence (NCACI), Sri Ramakrishna Engineering College, Coimbatore, 26th Jun 2009.
 35. **Dr. G.M. Nasira**, D. Sharmila Devi and M. SweetyKiruba, Performance Analysis of Single Layer Feed Forward Neural Network Algorithms for Travelling Salesman Problem,National Conference on Recent Trends in Computer Applications, Vellalar College of Engineering and Technology, Erode, 9th Apr 2009.
 36. **Dr. G.M. Nasira**, S. Ashok Kumar, A Comparative Study of Fuzzy Logic with Neural Networks Algorithm in Clustering, Second National Conference on new frontiers in Computing, KSR College of Technology, Tiruchengode, 23rd Sep 2008.
 37. **Dr. G.M. Nasira**, Clustering with Fuzzy Logic and Artificial Neural Networks (FANN), 3rdNational Conference on Recent Trends in Advanced Computing, S.N.S College of Technology, Coimbatore, 5th Oct 2007.
 38. **Dr. G.M. Nasira**, Gradient Back Propagation Algorithm for Supervised Learning and its Application Areas with Special Reference to Optimization Theory, 2ndNational Conference, SNS College of Technology, Coimbatore, 6th Oct 2006.
 39. **Dr. G.M. Nasira**, S. Ashok kumar and K. S. JeenMarseline, Analysis of Watermarking for Robustness Criteria, National Conference, Bannari Amman Institute of Technology, Sathyamangalam, 19th & 20th May 2006.
 40. **Dr. G.M. Nasira**, and S. Ashok kumar, Neuron Models and Network Architecture – A perspective, UGC-SAP &Gandhigram National Conference, Dhindugal, 4th Mar 2006.
 41. **Dr. G.M. Nasira**, and M. M. Kavitha, Facial Expression Recognition on Edge Images using Neural Networks, UGC - National Conference, Erode Arts College, Erode, 14th& 15th Oct 2005.
 42. **Dr. G.M.Nasira**, Web Services Architecture, National Conference, P.S.G.R Krishnammal College for Women, Coimbatore, 16th Sep 2005.
 43. **Dr. G.M. Nasira**, Data Mining using SOM for Effective Data Clustering and Visualization, UGC- National Conference, Gobi Arts and Science College, Gobi, 27th Mar 2005.
 44. **Dr. G.M. Nasira**, Spatial Interpolation using Neural Fuzzy Technique, UGC- National Conference, Gobi Arts and Science College, Gobi, 26th Mar 2005.

45. **Dr. G.M. Nasira**, A Data Streaming Approach to Pattern Recognition with Neural Networks,UGC- National Conference, Erode Arts College, Erode, 28th& 29th Jan 2005.
46. **Dr. G.M. Nasira**, Analysis of Tangent Polynomials with a Computer Algebra System, UGC-National Conference, Erode Arts College, Erode, 30th& 31st Dec 2004.
47. **Dr. G.M. Nasira**, Learning Fuzzy Control Rules and Membership Function by FuzzyError Back Propagation,UGC -National Conference, Yadava College, Madurai, 29th Oct 2004.
48. **Dr. G.M. Nasira**, Fuzzy Controllers for Automation Task using Appropriate Fuzzy Sets& Rules,UGC – National Conference, Yadava College, Madurai, 28th& 29th Oct 2004.
49. **Dr. G.M. Nasira**, Automation Task Choosing Appropriate Neuro Fuzzy sets and Fuzzy Rules, UGC - National Conference, Gobi Arts and Science College, Gobi, 25th& 26th Sep 2004.
50. **Dr. G.M. Nasira**, An Experimental Evaluation of Domain Independent Fault Handling Service in Open Multi Agent System, UGC -National Conference, Gobi Arts and Science College, Gobi, 25th& 26th Sep 2004,
51. **Dr. G.M. Nasira**, A Fuzzy Neural Network Learning Fuzzy Control Rules and Membership Function by Fuzzy Error Back Propagation,UGC-National Conference, Gobi Arts and Science College, Gobi, 26th Sep 2004.
52. **Dr. G.M. Nasira**, A Generic Mediator for Coordination in a Distributed Manufacturing System on Multi Agent System,UGC -National Conference, Gobi Arts and Science College, Gobi, 25th Sep 2004.
53. **Dr. G.M. Nasira**, .Net Frame Work, National Conference, Hindustan CAS, Coimbatore, 24th Jan 2003.

Papers/Posters in State/National Seminars

1. **Dr. G.M. Nasira** and Kalaiselvi. C, “Enhancing moral sensibilities in Class room Environment” paper presented in National seminar. Proceedings –P.K.R Arts College for Women Nov 2015. Pages 65-68.
2. **Dr. G.M. Nasira**, A Study on Dyslexia and Learning Challenges, National seminar on Smart approaches in Computing Technologies and its Applications, Dr. R.V. Arts and Science college on 12th September 2014.
3. **Dr. G.M. Nasira**, A Study On Dyslexia Detection Using Neural Networks, National level seminar on New Innovations in Computing Technology, Navarasam Arts and Science college for Women on 12th September 2014.
4. **Dr. G.M. Nasira**, Methods For Analysis And Classification Of Reading Eye Movements Of Dyslexic Children, National level seminar, Providence college for Women on 27th September 2014.
5. **Dr. G.M. Nasira**, Nanotechnology in everywhere through computers, UGC State level seminar, Chikkanna Govt. Arts College, Tirupur, 7th& 8th Mar 2013.
6. **Dr. G.M. Nasira**, AICTE Sponsored Seminar on Trends & Challenges in computational research, Performance evaluation of three reactive routing protocols in ADHOC network, AICTE seminar, 14th& 15th July 2011.
7. **Dr. G.M. Nasira**, Faster Training, Improving Generalization - A comparison on Back Propagation Training Algorithms, State Level Seminar, Jamal Mohammed College, Trichy, 28th Mar 2006.

8. **Dr. G.M. Nasira**, Feed Forward Neural Network Algorithms, State Level Seminar, Kamadhenu Arts and Science College, Sathy, 4th Mar 2006.
9. **Dr. G.M. Nasira** and M. M. Kavitha, Improving the Convergence of Back Propagation Algorithm using Various Techniques, National Seminar on Recent Trends information Technology, Vivekananda College for Women, Tiruchencode, 20th Feb 2006.
10. **Dr. G.M. Nasira**, M-Commerce Security by Wireless Protocol Application, UGC - State Seminar, Kongunadu Arts and Science College, Coimbatore, 2nd & 3rd Sep 2005.
11. **Dr. G.M. Nasira** and K. Vani, Mobile Banking, UGC - National Seminar, Erode Arts College, Erode, 30th Sep 2005.
12. **Dr. G.M. Nasira**, A Proposal for Speed Enhancement in a GA through Dynamically Evolving Population and Selective Cross Over, UGC-State Seminar, Sri Saratha College for Women, Salem, 15th Dec 2004.
13. **Dr. G.M. Nasira**, Security in Mobile Communication, DST – National Seminar, E. M. G. Yadava College, Madurai, 24th Sep 2004.
14. **Dr. G.M. Nasira**, Emerging Trends in Computer Networking and Data Communications, National Seminar, P.S.G.R. Krishnammal College for Women, Coimbatore, 19th & 20th May 2002.
15. **Dr. G.M. Nasira**, Information Technology and Organizational Changes, UGC – State Seminar, KhadirMoideen College, Adhirampattinam, 11th & 12th April 2000.

ANNEXURE - V

Seminars/Conferences/Workshops/FDP's attended

1. **Dr. G.M. Nasira**, UGC Management Skills Enhancement Modules Workshop, Centre for Women's Studies, NMKRV College Bangalore, Aug 8th 2012.
2. **Dr. G.M. Nasira**, UGC Management Skills Enhancement Modules Workshop, Anna University, Chennai, 23rd to 28th April, 2012.
3. **Dr. G.M. Nasira**, UGC Training of Trainers Workshop, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, 02nd -07th Jan 2012.
4. **Dr. G.M. Nasira**, National Workshop on Object Modeling & Design, 4th Nov 2011.
5. **Dr. G.M. Nasira**, UGC Sensitivity/Awareness/Motivation workshop, PSGR Krishnammal College for Women, Coimbatore, 21st – 25th Jan 2011.
6. **Dr. G.M. Nasira**, Faculty Development programme on Soft Skills, Sasurie College of Engineering, Vijayamangalam, 18th Nov 2010.
7. **Dr. G.M. Nasira**, Workshop on High Impact Teaching Skills (Mission 10X), by Dale Carnegie & Associates, Inc. Trainer and Wipro, Sasurie College of Engineering, Vijayamangalam, 16th & 17th Aug 2010.
8. **Dr. G.M. Nasira**, R&D Workshop on Pattern Recognition, Jayaram College of Engineering & Technology, Trichy, 30th Sep 2009.
9. **Dr. G.M. Nasira**, Faculty Development Programme on Scientific Teaching Model and Knowledge Management, Sasurie College of Engineering, Vijayamangalam, 6th June 2009.
10. **Dr. G.M. Nasira**, International Seminar on Computational Intelligence, Bharathiar University, 30th Dec 2008.
11. **Dr. G.M. Nasira**, Workshop on Neural Network and Fuzzy Logic System, Sasurie College of Engineering, Vijayamangalam, 28th Mar 2008.

12. **Dr. G.M. Nasira**, Faculty Development Programme on Design and Analysis of Algorithms, Sri Venkateswara College of Computer Application and Management, Coimbatore, 2nd& 3rd Feb 2008.
13. **Dr. G.M. Nasira**, Workshop on ANN & its Applications to Industry, Vellore Institute of Technology, Vellore, 1st& 2nd Sep 2006.
14. **Dr. G.M. Nasira**, Workshop on Preparation of Career Focus Questions in Computer Science, Bharathiar University, Coimbatore & P.K.R Arts College for Women, Gobi, 6th& 7th Jan 2006.
15. **Dr. G.M. Nasira**, Faculty Development Programme on Total Quality Management in Higher Education, Park's College, Tirupur, 2nd & 3rd Sep 2005.
16. **Dr. G.M. Nasira**, Faculty Development Program, Park's College, Tirupur, 10th & 11th October 2003.
17. **Dr. G.M. Nasira**, State Level Seminar on Emerging Trends in Networking, Sri Ramakrishna College of Arts and Science for Women, Coimbatore, 17th Feb 2003.
18. **Dr. G.M. Nasira**, National Seminar on Recent Trends in Information Technology, sponsored by UGC, Gobi Arts and Science College, Gobi, 2nd Mar 2002.
19. **Dr. G.M. Nasira**, National Conference on Prospectus on Mobil.Net in India, sponsored by AICTE, CIMAT, Coimbatore, 27th Aug 2001.
20. **Dr. G.M. Nasira**, National Seminar on E-Commerce and its Impact on Increased Business Productivity Applications, Dr. G. R. Damodaran College of Science, Coimbatore, 28th & 29th June 2000.
21. **Dr. G.M. Nasira**, National Conference on Computer Algebra System, Erode arts College, Erode, 30th& 31st Dec 2004.