MeenaChinniah

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+919894269991

ProjectAssistance/TeachingPGLevel/Budget Planning & Control and managing the technical and non technical staff

Professional Snapshot

⇨ Academic and Admin(IT) professional with around25yearsof rich & extensive experience in teaching, System analysis, Technical Information and Programming Skills

⇨ Presently designated as **Senior System Analyst/Computer Manager**

⇨ Expertise in Developing Project Personals and Budget Estimation

⇨ Resourceful at strategizing techniques for New Project implementation

⇨ Research experience in various areas

Organizational Experience

Teaching

⇨ Teaching for UG and PG students

⇨ Setting of Questions papers for UG and PG students

⇨ Evaluation of marks for UG and PG Students

⇨ Project guidance for UG and PG students

Non Teaching

⇨ Maintenance of Computer Centre

⇨ Project coordination for e campus and Institution Website

⇨ Project management for Wi-Fi campus, Internet and Intranet facilities and networking

⇨ Project management for Biometric attendance system for Teaching and Non-teaching staff

⇨ Designing and developing the Upgradation of Computer Centre

⇨ Centralized purchase of all IT related equipments

⇨ Conducting software training programmes

⇨ Associate Member and Nodal Officer in National Cyber Safety and Security Standards, Chennai

⇨ Member in Selection Committee-Avinashilingam Deemed University for Women

⇨ Member in Expert Committee-Avinashilingam Deemed University for Women

⇨ Member in purchase Committee-Avinashilingam Deemed University for Women

⇨ Academic Council Member till 2016–Avinashilingam Deemed university for women

⇨ Member in Research review committee-Mother Teresa university for women,Kodaikanal.

⇨ Doctoral Committee member, Anna University, Chennai

Overseas Visit

⇨ Visited Malaysia for paper presentation in the year 2004

⇨ Visited Las Vegas for paper presentation in the year 2008 at "The 2008 World Congress in Computer Science, Computer Engineering & Applied Computing, IPCV' 08",USA

⇨ Visited Dubai for paper presentation at"12th World Conference on Applied Science, Engineering and Technology (WCASET -2018)", 21-22nd Sep 2018, Dubai

Research guidance (Ph.D)

Research Scholar	Area specification	Status
Mrs.P.Soranamaheswari	Efficient techniques for image spam classification using Back propagation Neural networks	Completed
Mrs.D.Mathivadhani	Multiple watermarking approaches using enhanced image processing techniques and visual cryptography	Completed
Mrs.S.Malathi	An Efficient Approach for Partial Fingerprint Recognition based on Pores and SIFT Features using Fusion Methods	Completed
Mrs.M.Sankari	Robust identification of objects for visual surveillance using statistical methods	Completed
Mrs.JeenMarselin	Analyzing the effect of enhanced preprocessing techniques on Classification of Sonar Images	Completed
Mrs.A.SheelaRini	Bio-Inspired approaches to optimize energy consumption and improve network performance in vehicular Ad Hoc networks	ongoing

Title	Name of publication	Year
Dynamic Integration of Fast Furious Cheetah Optimization for Efficient and Secure Routing in Vehicular Ad Hoc Networks	International Journal of Computer Networks and Applications. Volume 11. Pages 248-273	2024
Analysis of Machine Learning Classifiers to Detect Malicious Node in Vehicular Cloud Computing	International Journal of Computer Networks and Applications. Volume 9. Pages 202-213	2022
Finding bottleneck in machine learning model life cycle	Opml 2020 2020 Usenix Conference on Operational Machine Learning	2020
An Efficient Enhanced Algorithm to Diminish the Cyber Security Threats in Multi-Tenancy Cloud Computing	12th World Conference on Applied Science, Engineering and Technology (WCASET -2018), 21-22nd Sep 2018, Dubai	2018
A hybrid model for SONAR image classification using SVM-ELM	International Journal of Digital Content Technology and its Applications ISSN:1975-9339(Print),2233-9310(Online)communicated	2014
Application of combined curvelets and Alternate sequential filtering for SONAR Images	ACEEE Journal Association of Computer Electronics and Electrical Engineers communicated	2014
SONAR image segmentation using Markov model combined with EM algorithm	International Journal of Advancements in Computing Technology ISSN: 2005-8039 (Print), 2233-9337 (Online) Communicated Digital Content Technology and its Applications	2013
Enhanced Markov Random Filed (HMRF) Algorithm for segmenting the Sonar Images	International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences (IJ-ETA-ETS) ISSN0974-3588Volume7:issue1:pp101,	2013
Enhanced contrast based Image Fusion Algorithm with Edge Preserving Property	Proceedings of International Conference on Advances in Engineering and Technology ICAET2014 ISBN No.: 978-1-4799-4949-6	2013
Enhanced Approaches to Rectify the Noise, Illumination and Shadow Artifacts	World Academy of Science, Engineering and Technology International Journal of Computer, Information, Systems and Control Engineering Vol:7 No:10, 2013	2013
Enhanced Preprocessing techniques for Sonar images using improved statistical wavelets	International conference on Advanced recent technologies in Electrical and Electronics ARTEE Print Media of the proceedings will be published by Elsevier Science and technology	2013
Digital watermarking and Authentication using Biometrics and Independent component Analysis	International Journal of Advanced Networking and Applications Volume3,Issue2Pp43-46	Jan–Feb 2013

A Study on the Application of Wavelet Transformation to Pre process Sonar Images Through Noise Removal	International Journal of Scientific and Research Publications ISSN2250-3153Volume3,Issue2	2013
Image Fusion Techniques for Sonar Image Enhancement	International Journal of Futuristic Science Engineering and Technology ISSN2320–4486 Vol1Issue5	2013
Enhanced Image Fusion Algorithm with Neural Networks for SONAR Images	International journal of Engineering and Advanced Technology(IJEAT) ISSN:2249-8958vol2issue6	2013
Performance analysis Of Non-parametric Statistical Denoising Filters for SONAR images	International conference on ICICIC'13 held in Sasurie college of engineering	2012
A Robust Diverged Localization and Recognition of License Registration Characters	International Journal of Computer and Communication Engineering WASET On-lineISSN2010-3778Vol6,pp.55-62	2012
Enhanced Image Processing Technique Using Visual Cryptography	National conference on Advances in Video, Cyber Learning and Electronics (ADVICE 2012),Chandigarh, India.	March,2012
Multiple watermarking for copyright protection, information hiding using visual cryptography	ICMVIPPA 2012 International Conference on Machine Vision, Image Processing, and Pattern Analysis, Kuala Lumpur, Malaysia	February, 2012
An efficient approach for partial fingerprint matching based on SIFT and Pore features	Journal of Information and Communication Technologies,ISSN2047-3168,Volume2, Issue5Pp.8-12	2012
Watermarking and copyright production Using DWT, SVD and visual cryptography	International Journal of Advances in Science and Technology (IJAST)Vol. 3, No. 6, Pp.26-32.	2011
Identifying An Object From The Dynamic Background Using Skeletanization In Visual Surveillance	Proc. of International Colloquiums on Computer Electronics Electrical Mechanical and Civil 2011, Kerala© 2011 ACEEE. DOI: 02.CEMC.2011.01pp.45-47, published in ACEEE journals**ISSN:2158-7558** which is submitted for indexing in DBLP,SCOPUS,IET INSPEC, EI, Google, DOAJ	September 2011
Detecting Object From The Dynamic Background From The Noisy Image In Visual Surveillance	Proc. of International Conference on Advances in Recent Technologies in Communication and Computing2011,Bangalore©2011IETPp. 108-112	September 2011
Object Matching using Skeletonization based on Hamming Distance	International Journal of Computer Applications (IJCA), **ISSN: 0975-8887,**Vol.28, No.7, Pp 46-50	August2011
Distance Metrics based Vehicle Object Identification in Dynamic Vision	International Journal Of Computer Science & Engineering Technology, **ISSN: 2231-3117** Vol. 1, Issue 7, Pp 429-43	August2011
Estimation of Dynamic Background and Object Detection in Noisy Visual Surveillance	International Journal of Advanced Computer Science and Application, **ISSN: 2156-5570** Vol.2, No. 6, Pp.77-83,	June2011
Finger print matching based on pore centroids	ICTACT journal on Image and Video processing an International publication of ICT Academy of Tamilnadu,**ISSN:0976-9099,** Vol.01issue04,Pp:220-223	May2011

Improved Partial fingerprint matching based on score level fusion using pore and SIFT features	International Conference on Process Automation, Control and Computing, Coimbatore Institute of Technology, Listed in IEEE Xplore.	20-22, July 2011,
An utility of pores in partial fingerprint matching	International Conference on Recent Trends in Information Technology, MIT, Anna university, Chennai	June 3-5, 2011
Bio metric based authentication using wavelets and visual cryptography	International Conference on Recent Trends in Information Technology, MIT, Anna university, Chennai	June 3-5, 2011
Performance Evaluation of key for watermarking using 2-D wavelet Transformations	International Journal of Engineering Science and Technology, **ISSN: 0975-5462**	2011
Digital Watermarking and Information hiding Using Waveletes, SLSB and Visual Cryptography Method	2010 IEEE International Conference on computational Intelligence and Computing Research, Tamilnadu college of Engineering, Coimbatore	December 28-29,2010
An efficient method for partial fingerprint recognition based on Local Binary pattern	2010 IEEE International Conference on Communication, Control and Computing Technologies, Ramamathapuram	October07-09,2010
A novel approach for fingerprint recognition based on Pores	International Journal of Computer Science and Research,**ISSN:2210-9668**Vol. 1Issue 1, Pp10-14	October 2010
Partial fingerprint matching based on SIFT Features	International Journal of Computer Science and Engineering, **ISSN:0975-3397,**Vol.02, No.04,Pp:1411-1414	June2010
An Efficient Fingerprint Minutiae Extraction Based On Crossing Number	Third International Conference on Data Management, Institute of Management Technology, Ghaziabad	March2010
A study of hyper spectral remote sensing image retrieval	Third International Conference on Data Management, Institute of Management Technology, Ghaziabad	March2010
A Fractal based approach for Image spam classification	Third International Conference on Data Management, Institute of Management Technology, Ghaziabad	March2010
Fingerprint Pore Extraction based on Marker Controlled Watershed Segmentation	2010 the 2nd International Conference on Computer Automation and Engineering, Singapore	February, 2010
Geometrically Invariant Watermarking For Copyright Protection And Biometric Authentication Using Feature Detectors	2010 the 2nd International Conference on Computer Automation and Engineering, Singapore	February, 2010
Statistical Feature Extraction for Classification of Image spam Using Artificial Neural Networks	International Conference on Machine Learning and Computing	February, 2010
An Efficient Feature Extraction Method for Classification of Image spam Using Artificial Neural Networks	International Conference on Data Storage and Data Engineering	February, 2010
Rolled Fingerprint Segmentation	Global journal of Computer Science and TechnologyOnline**ISSN-0975-4172**,Volume9, Issue 5, Pp:107-110	January 2010

Histogram Based Image Spam Detection using Back propagation Neural networks	Global Journal of Computer Science and Technology Online **ISSN: 0975-4172**,Volume 9, Issue 5, Pp:62-67	January 2010
Comparative study on Fingerprint protection using watermark techniques	Global Journal of Computer Science and TechnologyOnline**ISSN:0975-4172**, Volume 9, Issue 5, Pp:98-102	January 2010
An overview-pore based Fingerprint matching	International Journal of Computer Applications In Engineering, Technology And Sciences (IJ-CA-ETS) **ISSN:0974-3596** Volume2,Issue1,Pp 304-309	October2009–March2010
Image Spam classification using Artificial Neural networks	International journal of Emerging Technologies and Applications in Engineering, Technology and Sciences(IJ-ETA-ETS)**ISSN: 0974-3588**Volume2,Issue2	July2009–December 2009
An Image Spam Classification Model Based on File Features Using Neural Networks	CiiT International Journal of Artificial Intelligent Systems and Machine learning, **ISSN:0974–9667**Vol1, No1	April 2009
Finger print enhancement based On Ridge orientation and Ridge Frequency	CiiT International Journal of Biometrics and Bio informatics,**ISSN:0974-9675**Vol1,No 1,Pp11-14	April 2009
A study on m-spam fighting techniques	National conference on emerging trends in computer science (NCETCS'09). Avinashilingam University for women	March2009
Survey on Background Subtraction to Detect an Object with Single Optical Camera in Visual Surveillance System	National Conference on Advanced Computing in Computer Applications, Sri Ramakrishna Engineering College, Coimbatore	20th March 2009
A Novel Technique for Multi model Biometric Identification	3rd International Conference on Intelligent systems and control, Karpagam College of Engineering	6-7February2 009
A Novel Image Spam Filtering Method Using Support Vector Machine	International Conference at PSGR Krishnammal College For Women	September,2 008
Fuzzy Image processing for Offline Signature Verification and Interpretation	The 2008 World Congress in Computer Science, Computer Engineering & Applied Computing, IPCV'08 LasVegas, USA	July 14-17,2008
Fuzzy Control Approach for Image Enhancement	National Conference on Recent Trends in Information Technology NCRIT 2008, RV College of Engineering, Bangalore	March2008
Review on Iris Recognition Technology with Applications	2ndInternationalConferenceonIntelligent Systems and control, Karpagam College of Engineering	2008
Secret File Transmission using Steganography Technique	International Conference on Soft Computing, Avinashilingam University for Women, Coimbatore	January 2007
Fuzzy Signature verification and Interpretation system using stroke comparator	Journal of Computer Science, Karpagam Arts and Science Education Trust	December 2005
Offline signature verification and Interpretation system using Fuzzy logic	ICT an era of uncertainties, challenges and opportunities, SEARCC 2004, conference, Malaysia	October 2004

Fuzzy preprocessing Techniques for offline signature verification and Interpretation system	National Conference on Multimedia Technologies and Application, Karunya Institute of Technology, Coimbatore	July2004
Digitized signature Interpretation using Fuzzy Logic	National Conference on Artificial Intelligence and Neural Networks, Union Christian College, Alwaye, Kerala	March2004
Fuzzy Image Interpretation of digitized signatures	National Conference on Advanced Computer Application, NGM College, Pollachi	2002
Image Interpretation of Digitized Signatures	Tamilnadu Student convention, Central Electrochemical Research Institute, Karikudi	2001
Image Interpretation of Digitized Signature	Proceeding of ED – Media 2001, World conference on Educational multimedia hypermedia and Telecommunication, Finland	2001

Education

Degree	Institution	Board / University	Year of Completion	Marks %
Ph.D	Bharathiyar University	Bharathiyar University	2006	-
M.C.A	Thiagaraja College of Engineering	Madurai Kamaraj University	1990	62
B.Sc (Phy)	Sri Meenakshi College for women	Madurai Kamaraj University	1987	70

Employment History

From	TO	Positions held	Organization's Name and Address	Salary
1993	1997	Senior Technical Assistant	Avinashilingam Deemed University for women, coimbatore	Senior technical assistant(ugc scale)
1997	2007	System Analyst	Avinashilingam Deemed University for women, coimbatore	Lecturer(ugc scale)
2007	Till date	In-charge Computer Centre/ Senior System Analyst	Avinashilingam Deemed University for women, coimbatore	Reader scale (ugc scale)

Project Work Undertaken

(a) Title: e-education Programme (UGC Sanctioned)
Description:

- e-Learning project implementation of a system provides an unique experience of self-paced and customized learning, designed to suit each individual or organization
- Online administration, Maintenance of hardware like Application Servers and Storage
- Maintenance of software that was developed under Linux platform using Mysql and Java

(b) Title: e-Smart Campus(UGC Sanctioned)

Description:

- Biometric attendance system for Teaching and Non-Teaching Staff
- Smart Cards for Teaching and Non Teaching
- Setting Up of a e-Classroom
- Wireless zones in e-classroom
- Preparation of smartcards
- Video Recording in the Auditorium
- Installation of KIOSK in the campus

(c) Title: Upgradation of Computer Centre(UGC Sanctioned)

Description:

- Upgradation of campus Network and optimization
- Centralization of Database with backup solution
- Authentication and security for the existing database

Research and Development

- **Principle Investigator for an In-house project titled "Cyber Security Applications for the Development of NCDRC" worth Rs.30,000/ (4 months - 4.1.2019 - 30.4.2019)**

- **Project Director for the project titled "Enhancement of Encryption algorithm to Mitigate Security Risks in Multi-Tenancy Cloud Computing" funded by ICSSR worth Rs.2 Lakhs (2018-19)**

- **Principle Investigator for the project titled "A Study of Hyper Spectral Remote Sensing image Retrieval using Semantics "funded by Naval Research Board worth Rs 5.74 Lakhs (2009-2010)**

- **Principle Investigator for a Major Research Project titled as "A Novel Technique for Partial Fingerprint Recognition " funded by UGC worth Rs.8,56,000 (2009-2011)**

Seminar Conducted

- **Conducted a Special Talk on "Protecting Yourself in the Digital Age. As part of the session, "The Pink Patrol initiative was introduced to students to promote women's safety awareness-10.12.2025**

- **Organized a Cyber Crime Awareness Street Play with Coimbatore City Police to educate the public on phishing and identity theft – 13.10.2025**

- **Delivered a combined POSH and Cyber Security session at The New India Assurance Co.Ltd (Regional Office)covering work place safety and cyber crime awareness – 05.08.2025**

- **Conducted a Cyber Security Awareness Seminar at Ohm Maruthi Insurance Broking Services Pvt.Ltd. for employees on cyber hygiene and threat preventio– 29.07.2025**

- ➢ **Held a Cyber Awareness Programme on 20th June 2025 with police officials for Avinashilingam School Students, explaining online frauds and preventive measures.**
- ➢ **Conducted cyber safety awareness sessions in six Corporation Higher Secondary Schools focusing on safe internet use and social media security – 12.2.2025 to 21.2.2025**
- ➢ **Tech-Talk High Usage of ITCOVID2019 Situation How to be Cyber Safe-3.6.2020**
- ➢ **Webinar on overview of Ethical Hacking and Cloud Computing held on 20.5.2020 at 10.30-11.30**
- ➢ **Webinar on Cyber Security threats and attacks-2020 held on 15.5.2020 at 10.30-12.00**
- ➢ **Seminar on Cyber Threat Intelligence in collaboration with National Cyber Safety and Security Standards –NCSSS, 15th Feb 2019**
- ➢ **Seminar on Cyber ethics: Social and Moral Issues Law in collaboration with National Cyber Safety and Security Standards – NCSSS, 17thFeb,2018**
- ➢ **Seminar on Cyber Security and Cyber Law in collaboration with National Cyber Safety and Security Standards – NCSSS, 16thMar, 2017**

Seminar/workshop/conference attended

Name of the Event	*Date*	*Organized by*	*Venue*
UGC Chetna Series Lecture	24.10.2025	University Grants Commission(UGC)	Online
CIIConnect2025-Conference	16.08.2025 &17.08.2025	Confederation of Indian Industry (CII), with the support of the Government of Tamil Nadu and the Software Technology Parks of India (STPI)	Hotel Le Royal Méridien, Coimbatore
XII National Cyber Safety and Security StandardsSummit'19	18.10.2019 &19.10.2019	National Cyber Safety and Security Standards	Dr.Ambedkar Institute of Technology, Bengaluru
XI National Cyber Safety and Security Standards Summit'19	21.6.2019	National Cyber Safety and Security Standards	Anna University, Chennai
National Digital Security Conference'18	21.12.2018	National Cyber Safety and Security Standards	Kalaignar Karunanidhi Institute of Technology, Coimbatore
Faculty Development Programme	20.12.2018	National Cyber Safety and Security Standards	Kalaignar Karunanidhi Institute of Technology, Coimbatore
Certified Cyber Security Professional workshop	23.6.2018& 24.6.2018	National Cyber Safety and Security Standard, National Cyber Defence Research Centre	Rajarajeswari Medical College Campus, Bangalore
Certified Cyber Security Futurist-CCSF Workshop	24.2.2018& 25.2.2018	National Cyber Safety and Security Standard, National Cyber Defence Research Centre	CEGTAG Auditorium, Anna University, Guindy, Chennai

National Cyber Safety and Security StandardsSummit'18	17.02.2018	National Cyber Safety and Security Standard, National Cyber Defence Research Centre	AvinashilingamInstitute for Home Science and Higher Education for Women, Coimbatore
Empowerment of Young Women through Skill Development	13.03.2017to 15.03.2017	Women's Studies Centre and University SC/ST Cell	Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore
National Cyber Safety and Security Standards Summit'17	17.2.2017& 18.2.2017	National Cyber Safety and Security Standard, National Cyber Defence Research Centre	Birla institute of Technology & Science (BITS) Pilani, Hyderabad
National Cyber Defence Summit-2016	30.9.2016& 1.10.2016	National Cyber Safety and Security Standard, National Cyber Defence Research Centre	Vivekananda Auditorium, Anna University, Chennai
National Cyber Security–Faculty Development Programme	9.4.2016	National Resource Centre (NCSP), National Cyber Safety and Security Standard	CEG's TAG Auditorium, Guindy, Chennai

Personal Vitae

Personal Details

Date of Birth	:	16-05-1967
Languages	:	English, Tamil.
Contact Address	:	21, Raghavendra Residency, Edyarpalayam, Koundampalayam Road, Coimbatore 641025
Email	:	cccmeena@gmail.com, meena_cc@avinuty.ac.in
References	:	**Dr.A.Parvathi**

Dr.A.Parvathi
Dean of Science
Avinashilingam Institute for Home Science and Higher Education for women
Coimbatore 641043

Dr.J.Arthi
Professor (CAS)
Department of Business Administration
Avinashilingam Institute for Home Science and Higher Education for women
Coimbatore 641043

Dr.K.Manimegalai
Professor (CAS) and Dean- School of Biosciences
Avinashilingam Institute for Home Science and Higher Education for women
Coimbatore 641043

Declaration

I, Meena, do hereby confirm that the information given above is true to the best of knowledge.

Dr.C.Meena