NAME	: MRS. G. GERMINE MARY
POSITION	: ASSOCIATE PROFESSOR & HEAD
FACULTY OF	: COMPUTER SCIENCE
EMAIL ID	: germinemary@yahoo.co.in

LANGUAGES PROFICIENCY

READ : TAMIL & ENGLISH

WRITE : TAMIL & ENGLISH

SPEAK : TAMIL & ENGLISH

1. QUALIFICATION

S. NO.	DEGREE / DIPLOMA / CERTIFICATE	DISCIPLINE	NAME OF THE INSTITUTION	YEAR OF PASSING
1.	UG	PHYSICS	HOLY CROSS COLLEGE, TRICHY	1986
2.	PG	COMPUTER APPLICATIONS	ST. JOSEPH'S COLLEGE, TRICHY	1989
3.	M.PHIL.	COMPUTER SCIENCE	MOTHER TERESA UNIVERSITY, KODAIKANAL	2005
4.	PH.D.	COMPUTER SCIENCE	GANDHIGRAM RURAL INSTITUTE (DEEMED UNIVERSITY), GANDHIGRAM	2017

2. TEACHING EXPERIENCE

S. NO.	INSTITUTION	FROM – TO
1.	FATIMA COLLEGE (AUTONOMOUS), MADURAI	27.06.1990 - TILL DATE

3. POSITION HELD IN FATIMA

S. NO.	NAME OF THE POSITION	DURATION
1.	HEAD, DEPARTMENT OF COMPUTER SCIENCE	1996 - TILL DATE
2.	HEAD, DEPARTMENT OF COMPUTER APPLICATIONS	1995 - 2000
3.	DIRECTOR, IT DEPARTMENT	2000 - 2002
4.	COORDINATOR, WEB COMMITTEE	2017 - TILL DATE

4. POSITION HELD OUTSIDE

S. NO.	NAME OF THE INSTITUTION	NAME OF THE POSITION	DURATION
1.	THIAGARAJAR COLLEGE, MADURAI	INSPECTION COMMISSION, AFFILIATION TO B.SC. (C.SC.)	APRIL, 2008
2.	AYYA NADAR JANAKI AMMAL COLLEGE, SIVAKASI	INSPECTION COMMISSION, PERMANENT AFFILIATION TO B.SC. (IT & M)	NOVEMBER, 2008
3.	AMMA COLLEGE OF ARTS & SCIENCE	INSPECTION COMMISSION, AFFILIATION TO B.SC. (C.SC.)	MAY, 2009

5. AREAS OF SPECIALIZATION

  ➢ **VISUAL CRYPTOGRAPHY**

6. ORIENTATION/REFRESHER/TRAINING PROGRAMMES/FDP ATTENDED

S. No.	PROGRAMMES	THEME	ORGANIZED BY	DATE
1.	REFRESHER PROGRAM	RECENT TRENDS IN COMPUTER SCIENCE	MADURAI KAMARAJ UNIVERSITY	1996
2.	ORIENTATION PROGRAMME	-	MADURAI KAMARAJ UNIVERSITY	1999
3.	FACULTY IMPROVEMENT PROGRAMME (REFRESHER)	ENTREPRENEURSHIP FOR TEACHERS OF SCIENCE & ENGINEERING COLLEGES	CENTRE FOR ENTREPRENEURIAL DEVELOPMENT, MKU	2001
4.	REFRESHER PROGRAM	HIGH PERFORMANCE COMPUTING	MADURAI KAMARAJ UNIVERSITY	2002

7. FACULTY IMPROVEMENT PROGRAMS ATTENDED

S. No.	NAME OF THE WORKSHOP	PLACE	DATE
1.	HANDS ON WORKSHOP ON "CLOUD COMPUTING TOOLS"	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	OCT. 15 - 18, 2015
2.	WORKSHOP ON IMAGE PROCESSING TECHNIQUES	FATIMA COLLEGE, MADURAI	MARCH 2014
3.	WORKSHOP ON ANDROID APPLICATIONS	FATIMA COLLEGE, MADURAI	NOVEMBER 2013
4.	RESEARCH GUIDES IN COLLEGES & MAJOR RESEARCH PROJECTS	YADAVA COLLEGE, MADURAI	AUGUST, 2003

8. NATIONAL/INTERNATIONAL SEMINAR, WORKSHOP, CONFERENCE & SYMPOSIUM

S. No.	PROGRAMMES	ORGANIZED BY	DATE	PARTICIPATED / PRESENTED	TITLE OF THE PAPER
1.	NATIONAL CONFERENCE ON COMPUTATIONAL METHODS, COMMUNICATION TECHNIQUES AND INFORMATICS	DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS, GANDHIGRAM RURAL INSTITUTE – DEEMED UNIVERSITY, GANDHIGRAM	JAN. 27 & 28. 2017	PRESENTED	EFFICIENT AND SECURED IMAGE SHARING USING VISUAL CRYPTOGRAPHY AND GENETIC ALGORITHM
2.	INTERNATIONAL CONFERENCE ON SIGNAL PROCESSING, CONTROL AND DATA ANALYTICS -2016 (ICSCD 2016)	INTERNATIONAL SOCIETY OF SCIENTIFIC RESEARCH AND DEVELOPMENT, SAN DIEGO, USA	AUG. 27 - 28, 2016	PRESENTED	SECURITY AUGMENTATION OF VISUAL CRYPTOGRAPHY USING WATERMARKING EMBEDDED QR CODE
3.	NATIONAL CONFERENCE ON NEW HORIZONS IN COMPUTATIONAL INTELLIGENCE AND INFORMATION SYSTEMS	DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS, GANDHIGRAM RURAL INSTITUTE – DEEMED UNIVERSITY, GANDHIGRAM	DEC. 17-18, 2015	PRESENTED	COMPRESSION OF VC SHARES USING VECTOR QUANTIZATION AND RLE

No.	Conference/Seminar	Organizer	Date	Role	Paper Title
4.	INTERNATIONAL CONFERENCE ON COMPUTATIONAL MODELS, CYBER SECURITY & COMPUTATIONAL INTELLIGENCE (ICC3)	DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONAL SCIENCES, PSG COLLEGE OF TECHNOLOGY	DEC. 17-19, 2015	PRESENTED	MULTILEVEL MULTIMEDIA SECURITY BY INTEGRATING VISUAL CRYPTOGRAPHY AND STEGANOGRAPHY TECHNIQUES
5.	INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH IN ENGINEERING, SCIENCE AND MANAGEMENT(ESM-15)	ACADEMIC SCIENCE AND CONFERENCE INFO AT JAWAHARLAL NEHRU UNIVERSITY, NEW DELHI	SEP. 20, 2015	PRESENTED	HIGH LEVEL MULTIMEDIA SECURITY BY INCORPORATING STEGANOGRAPHY AND VISUAL CRYPTOGRAPHY
6.	NATIONAL CONFERENCE OF RECENT ADVANCES IN COMPUTER SCIENCE AND APPLICATIONS	DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS, GANDHIRAM RURAL INSTITUTE – DEEMED UNIVERSITY, GANDHIGRAM	MAR. 19 - 20, 2015	PRESENTED	A STUDY ON VISUAL CRYPTOGRAPHY USING MEANINGFUL SHARES
7.	NATIONAL CONFERENCE ON FOOD SECURITY – ISSUES AND CONCERNS	DEPARTMENT OF RURAL DEVELOPMENT SCIENCE, ARUL ANANDAR COLLEGE, MADURAI	2013	PRESENTED	THE ROLE OF ICT IN SUSTAINABLE FOOD PRODUCTION
8.	NATIONAL CONFERENCE ON "J2EE AND BEST PRACTICES IN APPLICATION DEVELOPMENT"	ICT ACADEMY OF TAMILNADU	2009	PARTICIPATED	-
9.	NATIONAL CONFERENCE ON "EDUCATION THROUGH MULTI-MEDIA"	DEPT. OF COMPUTER SCIENCE AND LIBRARY, FATIMA COLLEGE	MAR. 2009	CONVENER & PRESENTED PAPER	-
10.	NATIONAL SEMINAR ON ENHANCING AND SUSTAINING QUALITY IN HIGHER EDUCATION – INTERVENTION STRATEGIES	IQAC, FATIMA COLLEGE, MADURAI	FEB. 27, 2009	PRESENTED	-
11.	FACULTY DEVELOPMENT WORKSHOP ON "BUSINESS INTELLIGENCE"	DEPT. OF COMPUTER APPLICATIONS, FATIMA COLLEGE	FEB 14, 2009	PARTICIPATED	-
12.	NATIONAL WORKSHOP ON "PROSPECTIVE AVENUES FOR IT GRADUATES"	DEPT. OF COMPUTER SCIENCE, FATIMA COLLEGE	MAR. 2008	CONVENER	-
13.	CONFERENCE ON "BRIDGING THE GAP BETWEEN INDUSTRY AND INSTITUTION"	INDUSTRY INSTITUTION INTERFACE CELL, FATIMA COLLEGE	APR. 02 & 03, 2007	PARTICIPATED	-
14.	NATIONAL CONFERENCE ON "COMPUTER SCIENCE AND INFORMATICS"	ST. JOSEPH'S COLLEGE, TRICHY	FEB. 18 & 19, 2005	PARTICIPATED	-
15.	NATIONAL CONFERENCE ON "INTELLIGENT E-LEARNING SYSTEMS"	BISHOP HEBER COLLEGE	2006	PRESENTED	-
16.	NATIONAL SEMINAR ON "CYBER IMPACT ON SOCIETY"	SEETHALAKSHMI RAMASWAMI COLLEGE, TRICHY	2004	PARTICIPATED	-
17.	NATIONAL SEMINAR ON "INTERDEPENDENCE ON MATHEMATICS AND COMPUTER SCIENCE"	DEPT. OF COMPUTER SCIENCE AND MATHEMATICS, FATIMA COLLEGE, MADURAI	MAR. 2004	CONVENER	-

18.	STATE LEVEL SEMINAR ON "RESEARCH TRENDS IN INFORMATION TECHNOLOGY"	ST. JOSEPH'S COLLEGE, TRICHY	2003	PARTICIPATED	-
19.	INTERNATIONAL CONFERENCE ON "ASIAN DIGITAL LIBRARIES"	UNIVERSITY OF MYSORE & INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, BANGALORE	2001	PARTICIPATED	-
20.	NATIONAL CONFERENCE ON "INFORMATION TECHNOLOGY IN TEACHER EDUCATION PROGRAM"	THIAGARAJAR COLLEGE OF PRECEPTORS, MADURAI	2001	PARTICIPATED	-
21.	NATIONAL CONVENTION ON "RECENT TRENDS IN INFORMATION TECHNOLOGY"	DEPT. OF COMPUTER SCIENCE, FATIMA COLLEGE	OCT. 2001	CONVENER	-
22.	WORKSHOP ON "HUMAN RIGHTS"	FATIMA COLLEGE, MADURAI	DEC. 19 & 20, 2000	PARTICIPATED	-
23.	WORKSHOP ON "QUESTION BANK IN COMPUTER SCIENCE"- PHASE II	LOYOLA COLLEGE, CHENNAI	FEB. 10 - 13, 1999	PARTICIPATED	-
24.	WORKSHOP ON "QUESTION BANK IN COMPUTER SCIENCE" – PHASE I	LOYOLA ACADEMY, SECUNDERABAD	NOV. 21 - 23, 1996	PARTICIPATED	-
25.	WORKSHOP ON PERSONALITY AND HUMAN RELATION	FATIMA COLLEGE, MADURAI	OCT. 27 – NOV. 02, 1994	PARTICIPATED	-
26.	STATE LEVEL MEET ON HIGH PERFORMANCE COMPUTING	DEPT. OF COMPUTER SCIENCE, MADURAI KAMARAJ UNIVERSITY	SEP 24 – 25, 1993	PARTICIPATED	-
27.	AN ALL INDIA CONSULTATION IN COMPUTER USAGE AND TRAINING IN COLLEGES	THE AMERICAN COLLEGE, MADURAI	JUN. 02 – 09, 1991	PARTICIPATED	-

9. RESEARCH GUIDANCE

> ➤ NO. OF M. PHIL. GUIDED   : 3

M. PHIL. GUIDANCE COMPLETED/ONGOING

S. NO.	TITLE OF THESIS	STUDENT NAME	INSTITUTION	YEAR
1.	DATA MINING TECHNIQUES – WEB ACCESS MINING	L. SANTHANALAKSHMI (03CD-2633)	BHARATHIDASAN UNIVERSITY, TRICHY	2008
2.	STUDIES ON THE ROLE OF ACCESS CONTROLS IN DATABASE SECURITY	S. X. KAVITHA ALPHONSA (A7A6182101)	MADURAI KAMARAJ UNIVERSITY, MADURAI	2009
3.	AN EFFICIENT IMAGE TRANSPORT PROTOCOL FOR THE INTERNET	P. GEETHA (066060632)	ALAGAPPA UNIVERSITY, KARAIKUDI	2011

10. Papers Published

S. No.	Name of the Journal / Magazine / Book/Proceedings	Title of the Article	Month / Year	Vol. No.	Iss. No.	Page No.	ISSN / ISBN	Publisher
1.	Nature Inspired Optimization Techniques for Image Processing Applications	Application of Ant Colony Optimization For Enhancement of Visual Cryptography Images	2019	-	-	147-163	978-3-319-96002-9	Springer, Cham
2.	International Journal of Advanced Research in Computer Science and Software Engineering (JIF-2.5)	Application of Genetic Algorithm for Enhanced and Secured Transmission of Secret Images	May 2017	6	7	636-646	2277-128X	Advanced Research International Publication House
3.	Int. Journal of Advanced Research in Computer Science (ICV: 66.64, SJIF: 5.845, ISRAJIF: 3.727, RGIF: 0.29, GIF: 0.765)	Lossless Compression of VC shares in RGB Color Space	Apr. 2017	8	II	79-85	0976-5697	Genexcellence Pvt. Ltd
4.	In Proc. of National Conference on Computational Methods, Communication Techniques and Informatics	Efficient and Secured Image Sharing using Visual Cryptography and Genetic Algorithm	2017	-	-	179-185	978-81-933316-1-3	Shanlax Publications
5.	Artificial Intelligence and Computer Vision, Vol. 672 of the series Studies in Computational Intelligence (SCI, IF-1.05)	Particle Swarm Optimization based Image Enhancement of Visual Cryptography Shares DOI -10.1007/978-3-319-46245-5_3	2017	672	-	31-49	1860-949X	Springer International Publishing
6.	International Journal of Computer Science & Information Security (Thomson Reuter Indexed – 0.519)	Enhancement of RGB shares of Visual Cryptography using PSO	2016	14	9	938-952	1947-5500	LJS Publisher and IJCSIS Press
7.	In Proc. of International Conference on Signal Processing, Control and Data Analytics -2016	Security Augmentation of Visual Cryptography using Watermarking Embedded QR Code	2016	-	-	121-127	-	International Society of Scientific Research and Development, San Diego, Usa
8.	International Journal of Advanced Research in Computer Science and Software Engineering (JIF-2.5)	Compression of Visual Cryptography Shares Authenticated using QR Code	2016	6	7	312-324	2277-128X	Advanced Research International Publication House
9.	International Journal of Advanced Research in Computer and Communication Engineering (SJIF-5.947)	A Study on Secret Image Hiding in Diverse Color Spaces (DOI 10.17148/IJARCCE.2016.55191)	2016	5	5	779-783	2278-1021	IJARCCE

10.	INTERNATIONAL JOURNAL OF COMPUTATIONAL SCIENCE AND INFORMATION TECHNOLOGY	COMPRESSION OF VC SHARES (DOI : 10.5121/IJCSITY.2016.4106 57)	FEB. 2016	4	1	57-65	2320-7442	AIRCC PUBLISHING CORPORATION
11.	COMPUTATIONAL INTELLIGENCE, CYBER SECURITY AND COMPUTATIONAL MODELS – PROCEEDINGS OF ICC3 , ADVANCES IN INTELLIGENT SYSTEMS AND COMPUTING (SCI, IF-0.49)	MULTILEVEL MULTIMEDIA SECURITY BY integrating VISUAL CRYPTOGRAPHY AND STEGANOGRAPHY TECHNIQUES (DOI 10.1007/978-981-10-0251-9_38)	2016	412	-	403-412	-	SPRINGER, SINGAPORE
12.	IN PROC. OF NATIONAL CONFERENCE ON NEW HORIZONS IN COMPUTATIONAL INTELLIGENCE AND INFORMATION SYSTEMS'	LOSSLESS VQ AND RLE schemes for IMAGE COMPRESSION OF VC SHARES	DEC. 2015	-	-	84-88	ISBN:978-93-85777-02-8	EXCEL INDIA PUBLISHERS
13.	INTERNATIONAL JOURNAL OF INNOVATIONS & ADVANCEMENT IN COMPUTER SCIENCE	HIGH LEVEL MULTIMEDIA SECURITY BY INCORPORATING STEGANOGRAPHY AND VISUAL CRYPTOGRAPHY DIIF – 2.65	SEPT. 2015	4	SPL. ISS.	90-98	2347-8616	ACADEMIC SCIENCE
14.	IN PROC. OF NATIONAL CONFERENCE ON RECENT ADVANCES IN COMPUTER SCIENCE AND APPLICATIONS	A STUDY ON VISUAL CRYPTOGRAPHY USING MEANINGFUL SHARES	MAR. 2015,	-	-	131-137	978-93-84743-57-4	BONFRING PUBLICATIONS
15.	INTERNATIONAL JOURNAL OF COMPUTER APPLICATIONS (IMPACT FACTOR: 0.791)	MSKS FOR DATA HIDING AND RETRIEVAL USING VISUAL CRYPTOGRAPHY (DOI 10.5120/18903-0196)	DEC. 2014	108	4	41-47	0975 - 8887	FOUNDATION OF COMPUTER SCIENCE

11. MAJOR ASSIGNMENTS

S. NO.	MAJOR ASSIGNMENTS	INSTITUTION	THEME/TITLE	PLACE	DATE
1.	INAUGURAL ADDRESS	DEPARTMENT OF COMPUTER SCIENCE, SERMATHAI VASAN COLLEGE FOR WOMEN	VIVID COMPU MEET 2007	MADURAI	10.08.2007
2.	INAUGURAL ADDRESS	JEYARAJ ANNAPACKIAM COLLEGE	TECHNICAL MEET	PERIYAKULAM	MAR. 2008
3.	INAUGURAL ADDRESS	DEPARTMENT OF COMPUTER SCIENCE, MADURAI SIVAKASI NADARS PIONEER MEENAKSHI WOMEN'S COLLEGE, POOVANTHI	TECHNOVATE'12 - INTERCOLLEGIATE MEET	POOVANTHI	19.02.2013

12. PROJECT UNDERTAKEN

S. NO.	TITLE OF PROJECT	POSITION	SPONSORED BY	DATE	SANCTIONED AMOUNT
1.	VISUAL CRYPTOGRAPHY APPLICATION FOR DOCUMENT SECURITY	PRINCIPAL INVESTIGATOR	UGC	OCTOBER, 2009	₹ 1,25,000/-

13. Member of the Board of Studies

S. No.	Name of the Institution/ University	Course	Duration
1.	Mannar Thirumalai Naiakar College, Madurai	B.C.A	2015 - 2018
2.	The Standard Fireworks Rajaratnam College for Women, Sivakasi	B.Sc. (C. Sc.)	2014 - 2016
3.	Jeyaraj Annapackiam College for Women, Periyakulam	B.Com(C.A)	2014 - 2016
4.	Madurai Kamaraj University, Madurai	M.Sc. (IT)	Feb. 07 - May 2010
5.	Madurai Kamaraj University, Madurai	B.Sc. (IT)	Feb. 07 - May 2010
6.	Arul Anandar College, Karumathur	B.Sc. (IT & M)	2008 - 2009
7.	The Standard Fireworks Rajaratnam College for Women, Sivakasi	B.Sc. (C. Sc.)	2005 - 2007
8.	Ayya Nadar Janaki Ammal College, Sivakasi	B.Sc. (CS&IT)	2004 - 2006
9.	Jeyaraj Annapackiam College for Women, Periyakulam	B.Sc. (C.Sc.)	2004 - 2005
10.	Sri Meenakshi Government College for Women, Madurai	B.Sc. (C.Sc.)	2003 - 2004
11.	Arul Anandar College, Karumathur	M.C.A	1999 - 2001

14. Other Details

- Given Training To The Staff In Computer Usage and E-Material Production.
- Served As Director of Multimedia Material Production Center and Produced Multimedia CD's for All The Departments of The College. (During NAAC, 2005-06).
- Developed and Implemented Software for on-Line Feedback for Faculty.
- Responsible for Implementing on-Line Testing & ON-Line Flashing of Messages.
- Offered Honorary Consultancy to Arul Anandar College, Karumathur, by developing a package for Data Analysis and Processing
- Offered Honorary Consultancy to St. Xavier College of Education, Kumbakonam, by developing a package for Data Analysis and Processing using Visual Basic
- Served as Member of IQAC