

## Resume

### I General Information

Name : G.KARTHIGAI LAKSHMI  
Father's Name : T.K.S.A.M. GURUSAMY  
Age : 51 Years  
Educational Qualification : B.E.,M.B.A.,P.G.D.C.A.,M.Sc (IT),  
M.Phil(CS),  
Designation : Associate Professor and  
Head of the Department  
Department : Department of Computer Science  
Email ID : karthigailakshmi64@gmail.com  
Date of appointment : 05-08-1988  
Date of retirement : 31-05-2022



### II Educational Qualification

Examination Passed	Board/University	Subject	Year of Passing
SSLC	Board of Secondary Education		April 1979
PUC/ Higher Secondary	Board of Higher Secondary Education		April 1981
Bachelor's Degree	Madurai Kamaraj University	Electronics and Communication	April 1986
MBA	Indira Gandhi Open University		June 2003
M.Sc. (IT)	Alagappa University		May 2006
M.Phil	Manonmaniam Sundaranar University		May 2003
PhD	Manonmaniam Sundaranar University		pursuing
PGDCA	Madurai Kamaraj University		May 1992

III Teaching Experience : UG : 28 Years  
PG : 14 Years

Field of Specialization : Image Processing  
Awards won : Won the a gold medal worth Rs 5000/- as **Third Prize** for a paper on ' E-Teaching and E-Learning as Innovative Practices in Higher Education' submitted - the Madurai Kamaraj University for the competition for College Teachers conducted as part of Teachers' Day Celebrations of 2008

**Minor Research Project**

Topic	Period	Funding Agency	Amount sanctioned in Rs
Image Security using Iris Based Biometric Encryption	2007-2009	UGC	Rs. 78000

**Guideship details**

No. of M.Phil scholars guided : 5

**Projects guided**

Name of the student	Title of the Project	Period	Funding Agency	Amount sanctioned Rs.
V.Sivasankari	Segmentation of Medical Images	2004-2005	TNSCST	5000

**In-house projects guided**

Year	UG	Number of Students	Area of study
2010-11	UG	8	Image Processing, Web Design
2011-12	UG	8	Image Processing, Web Design
2012-13	UG	8	Image Processing, Web Design
2013-14	UG	8	Image Processing, Android applications

No. of articles published in Journals

International : 1

No. of papers presented in Seminars / Conferences

International : 1

National : 4

No. of articles published in Books / Conference Proceedings :2

**Articles published**

Title of the Article	Name of the Journal
Au-mated Extraction of Cy-plasm and Nuclei from Cervical Cy-logy images by Fuzzy Thresholding and Active Con-urs	International Journal of Computer Applications Volume 2 issue 3 26.7.13
Quantitative Validation of Segmentation Methods of Cervical Cytology Images	International Journal of Innovations in Engineering and Technology (IJET) Volume 6 Issue 2 December 2015
Comparative Study of Segmentation Methods applied on Cervical Cytology Images	International Journal of Computer Science and Information Technologies, Vol. 7 (1) , 2016, 91-93

**Papers presented**

Date	Seminar / Conference	Level	Title of the paper	Venue
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11.03.2004	National Seminar	National Seminar on Interdependence of Mathematics and Computer Science	Macs of two applications of Image Processing	Fatima College, Madurai
19.01.2007	National Conference	AICTE sponsored National Conference	Iris based Image Encryption	Arul Anandar College Karumathur College, Madurai
12.12.2007	Seminar	NAAC Sponsored National Level Seminar	E-learning and Mobile Learning – Trends and Prospects in India	V.V.Vanniaperumal College for Women, Virudhunagar
27.01.2011 - 28.01.2011	UGC Sponsored State Level Seminar on Recent trends in Computer Science	State	Image security using Iris based biometric encryption	Sri Ramasamy Naidu Memorial College, Sattur
06.03.2014 - 08.03.2014	World Congress on Computing and Communication 14	International	Multiple Feature Extraction from Cervical Cy-logy Images using Gaussian Mixture Model	St. Josephs College Trichy
18.12.2014 - 19.12.2014	UGC Sponsored National Conference on Biological Sciences : the Amalgamation and Advancement of multidisciplinary Life Sciences	National	Cervical Cancer Diagnosis: From Clinical Biochemistry - Automated Image Processing	V.V.Vanniaperumal College for Women, Virudhunagar
22.02.2016 - 23.02.2016	International Conference on Recent Trends in Computing Technology.	International	Feature Extraction and Feature Set Selection for Cervical Cancer	University of Madras, Chennai

			Diagnosis	
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**Articles published in Books / Conference Proceedings**

Year	Book title / Conference	ISBN	Article title
2014	World Congress on Computing and Communication 14	978-1-4799-2876-7	Multiple Feature Extraction from Cervical Cy-logy Images using Gaussian Mixture Model
2014	UGC Sponsored National Conference on Biological Sciences : the Amalgamation and Advancement of multidisciplinary Life Sciences		Cervical Cancer Diagnosis: From Clinical Biochemistry To Automated Image Processing
2016	International Conference on Recent Trends in Computing Technology.		Feature Extraction and Feature Set Selection for Cervical Cancer Diagnosis

**V No. of Seminars/Conferences/Workshops attended-28**  
**VI Course attended (Refresher / Orientation / any other )**

Name of the Course	Venue	Duration
Correspondence Course in Computer Programming(Visual BASIC)	Thiagarajar College of Engineering	June 1998 – Dec 1998
Correspondence Course in Computer Programming (Level 2)	Thiagarajar College of Engineering	June 1989 – May 1990
Orientation Course	Madurai Kamaraj University	16.08.1993 – 17.09.1993
Refresher Course	Madurai Kamaraj University	01.02.1996 – 22.02.1996
Refresher Course	Bharathidasan University	09.11.1999 – 29.11.1999
Refresher Course	Bharathidasan University	25.11.2000 –15.12.2000
Faculty Development programme on ASP .NET Programmig with C#	G.V.N. College, Kovilpatti organized by ICTACT	02.03.2014 – 06.03.2014
Faculty Development programme on Cloud Infrastructure and Services	Mepco Schlenk College of Engineeirng, organized by ICTACT	17.06.2014 -23.06.2014

**VII Role in Academic Bodies :**

University / College	Period	Post
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V.V.Vanniaperumal College for Women, Virudhunagar	2009-2013	Dean of Science
V.V.Vanniaperumal College for Women, Virudhunagar	2014	Dean of UGC affairs

**As a member of Board of Studies**

University / College	Period	Board
Madurai Kamaraj University	1997-1998	B.Sc & M.Sc Computer Science
University Nominee, ANJA College, Sivakasi	2002-2003	BCA
Madurai Kamaraj University	2004-2007	Computer Applications
University Nominee ,SFR College, Sivakasi.	2005-2007	B.Sc Computer Science
VSVN Polytechnic, Virudhunagar	2005-2007	I Year Computer Science
ANJA College, Sivakasi	2005-2007	M.S IT & M
Vivekananda College, Tiruvedagam	2006-2008	B.Sc Computer Science
University Nominee, Fatima College, Madurai	2006-2008	BCA
Madurai Kamaraj University	2007-2010	UG/PG Computer Applications
ANJA College, Sivakasi	2010-2012	UG IT
University Nominee,SRNM College, Sattur	2010-2012	UG/PG Computer Science
Lady Doak College	2011-2013	UG/PG Computer Science
St.Mary's College	2011-2013	UG Computer Science
Fatima College	2011-2013	UG/PG IT
SFR College, Sivakasi	2013-2015	BCA/MCA
Sri Ramasamy Naidu Memorial College, Sattur	2015-2017	M.Sc Computer Science

**As a member in  
Inspection Commission / Interview Panel / others**

Particulars	Date	Venue	Course / Post
Inspection Commission	2005	Fatima College	Conversion B.Sc Computer Science in- BCA
Interview Panel	15.08.2007	SRNM College, Sattur	Assistant Professor
Interview Panel	27.05.2010	Sri Kalieswari College, Sivakasi	Assistant Professor

Interview Panel	22.05.2010	Madurai Sivakasi Nadars Pioneer Meenakshi Women's College, Madurai	Assistant Professor
Interview Panel	17.05.2014	SRNM College, Sattur	Assistant Professor

#### **Academic Audit**

Year	Name of the University / College	Course
2006	Vivekanandha College Thiruvudagam	B.Sc Computer Science
2008	SFR College, Sivakasi	B.Sc Computer Science
2012	Devanga Arts College	B.Sc Computer Science

#### **VIII Resource person / Chairperson**

Activity	Date	Topic / Theme	Event	Venue
Resource person	30.12.2002	Biometrics		ANJA College, Sivakasi
Resource person	2004	Image Processing		VHNSN College, Virudhunagar
Resource person	2004	Internet		Physics Dept - V.V.Vanniaperumal College for Women
Resource person	2006	Mathematical Packages		Maths Dept - V.V.Vanniaperumal College for Women
Resource person	12.07.2006	E-mail Account Creation		V.V.Vanniaperumal College for Women
Resource person	14.09.2006	Applications of Image Processing		Arulmigu Kalasalingam College of Arts & Science, Krishnankoil
Resource person	2007	Presence of Mind		V.V.Vanniaperumal College for Women
Resource person	2007	Applications of Image Processing		VHNSN College, Virudhunagar
Resource person	23.03.2009	Net and Get		V.V.Vanniaperumal College for Women Career forum
Resource person	2009	e-Learning		VHNSN College, Virudhunagar
Resource person	14.12.2011	Preparation of e-learning material		SFR College, Sivakasi

Resource person	03.08.2012	E-content development		Sermathai Vasan College, Madurai
Resource person	03.08.2012	E-Learning Technologies – A Trendy way of Learning	Guest Lecture - MCA students	S.R.N.M. College, Sattur
Resource person	21.09.2012	Online Examination		Maths Department, V.V.Vanniaperumal College for Women
Resource person	14.02.2013	Online Transactions		V.V.Vanniaperumal College for Women IQAC
Resource person	15.06.2013	MySQL Basics	AICTE Sponsored FDP	VSVN Polytechnic Virudhunagar
Resource person	20.02.2014	ABC of life		V.V.Vanniaperumal College for Women IQAC
Resource person	22-09-2015	Facebook :Pros and Cons		V.V.Vanniaperumal College for Women-Part V Information and Library Science

**IX Seminars / Conferences / Workshops organized**

Date	Level	Theme
Feb 2006	UGC sponsored Regional Level Seminar	Perspectives on thrust areas in Computer Science
04.07.2014 - 06.07.2014	UGC sponsored National Level Workshop	Analytical -ols for researchers in commerce and Computer Science

**X Any other information Certification**

Sl.No	Certification	Date
1	EMC Academic Associate, Cloud Infrastructure and Services	24.06.2014