

M.GOMATHY, M.Sc.I.T., M.Phil., M.C.A., Ph.D.,

Asst. Professor

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EDUCATIONAL QUALIFICATIONS

Course	Institution	Year of Study	Class
Ph.D(Computer Science)	Shrimati Indira Gandhi College, Trichirappalli – 620002	September 2014	
M.C.A	PRIDE	2009	I
M.Phil(Computer Science)	St.Joseph's College, Trichirappalli – 620 002	2004	I
M.Sc.I.T	Shrimati Indira Gandhi College, Trichirappalli – 620 002	2003	I

EMPLOYMENT DETAILS

- ✓ (2019 JUNE – till date) – Asst. Professor, Department of Computer Science, Shrimati Indira Gandhi College, (Nationally Re-accredited at 'A' Grade by NAAC), Trichirappalli – 620 002.
- ✓ (2017- 2019) - Asst. Professor, Department of Computer Applications, Srinivasan College of Arts & Science, Perambalur – 621 212
- ✓ (2013-2016) – Asst. Professor, PG Department of Computer Applications, Shrimati Indira Gandhi College, Trichirappalli - 620 002.
- ✓ (02-06-2010 – 08-11-2010) – Asst. Professor, PG Department of Computer Applications, Thanthai Hans Roever College, Perambalur – 621 212.
- ✓ (2009–2010) – Asst. Professor, Department of Computer Science in Chidambaram Pillai College for Women, Manachanallur, Trichirappalli – 621 005.
- ✓ (2004–2009) – Asst. Professor, Department of Computer Science in Christhu Raj College, Royal Nagar, Panjappur, Trichirappalli – 620 012.

THESIS TITLE

- **M.Phil Thesis – A DYNAMIC NEURAL NETWORK FOR SPEECH RECOGNITION**
- **Ph.D Thesis – A NEURAL NETWORK APPROACH TO SPEECH SEPARATION AND GENDER DETECTION**

PERSONAL DETAILS

Date of Birth : 21-06-1981

Marital Status : Married

Gender : Female

Nationality : Indian

Religion : Hindu

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PAPERS PUBLISHED

1. Study on security frameworks and data protection techniques for public cloud environment – ARPN Journal of Engineering and Applied Sciences, Vol.11, No.9, May 2016.
2. Secured Cloud Adoption Architecture for Educational Institutions – International Journal of Innovation and Scientific Research – ISSN: 2351-8014, Vol.24 No.2, pp.446-451, 2016.
3. An analysis of secure and efficient data transmission for cluster based wireless sensor networks – JMSR – Journal of Multidisciplinary Scientific Research - ISSN:2307-6976, pg.10-11, 2014.
4. Real Time Query scheduling for wireless sensor networks”, JMSR – Journal of Multidisciplinary Scientific Research - ISSN: 2307-6976, Vol.2, No.2, p. 1-3, 2014.
5. Fuzzy Logic and Neural networks based gender classification using three features - Inderscience Publishers – International Journal of signal and imaging systems Engineering - ISSN: 0952-8091, Vol.7, Issue 2 pg. 75-82, 2014.
6. CRAM: Efficient Dynamic Resource Scheduling in cloud computing – IJERD –International Journal of Engineering Research and Development - ISBN: 2278-067X, Vol.10, No.3, pg. 59 -62, 2014.
7. Network Intrusion Detection and countermeasures selection in virtual network systems – Sub Saharan journal of computer science – ISSN: 2307-9169, pg. 06-09, 2013.
8. Identification of speech disorders using Artificial Neural Networks - Sub Saharan journal of computer science – ISSN: 2307-9169, Peer reviewed, pg. 01-05, 2013.
9. Gender classification in speech recognition using fuzzy logic and neural network – International Arab Journal of Information Technology – ISSN: 2309 – 4524, Vol.10, No.5, 2013.
10. Gender clusters and classification algorithms in speech processing: a comprehensive performance analysis – International journal of Computer Applications – Vol.51, No.20, pg. 9-17, 2012.
11. Performance analysis of gender clustering and classification algorithms – International journal of Computer Science and Engineering – ISSN: 0975-3397, Vol. 4, No.3, pg. 442-457, 2012.

12. Gender grouping in speech recognition using statistical metrics of pitch strength – International European journal of Scientific Research – ISSN: 1450-216X, Vol.61, 524-537, 2011.
13. Classification of speech signal based on gender a hybrid approach using Neuro Fuzzy systems – International Journal of speech technology, Peer reviewed , www.springer.com/journal/10772, ISSN:10712 -011-9118-0, Vol.14, pg. 377-391, 2011.
14. Intelligent separation of mixed speech signal using Fourier spectra and back propagation algorithm – International Journal of speech processing, Vol. 3, No.1, pg. 15-25, 2009.

I hereby declare that the information furnished above is true to the best of my knowledge.

Place: Trichy
Date: 09-08-2019