

1. Name	:	Latha Parameswaran	2. Staff ID	:	1257
2. Designation	:	Asst. Professor	4. Qualification	:	MCA
5. Department	:	CSE	6. Date of Joining	:	04.11.1999
7. Email	:	Amrita	p_latha@ettimadai.amrita.edu		
		Outside	lathapcp@yahoo.com		
8. Phone	:	Office	0422-2656422		
		Home	0422-2400188		
		Cell	94431-40934		
9. Areas of interest: (Type some keywords)		Image Security, Data Mining			



### PART 1- TEACHING

#### 10. 2005-ODD Semester (July – Dec, 2005) Courses Taught:

1. Component Based Technology – 60 – 4 hrs – Theory
2. Internet & Java – 60 – 4 hrs – Theory
3. Internet & Java Lab – 60 – 3 hrs – Lab
4. RDBMS Lab – 60 – 3 hrs – Lab

#### 11. 2006-EVEN Semester (Jan – May, 2006) Courses Taught:

1. Principles of Compiler Design – 60 – 4 hrs – Theory
2. Principles of Compiler Design – 60 – 3 hrs – Lab
3. Computer Graphics – 60 – 3 hrs – Lab
4. RDBMS - 60 – 3 hrs – Lab

#### 12. 2006-ODD Semester (July – Dec, 2006) Courses Taught:

1. Distributed Computing – 60 – 4 hrs – Theory
2. Neural Networks – 60 – 3 hrs – Lab
3. RDBMS – 60 – 3 hrs - Lab

#### 13. 2007-EVEN Semester (Jan – May 2007) Courses Taught:

1. Advanced Databases – 48 – 4 hrs – Theory
2. Computer Networks – 60 – 3 hrs – Lab
3. Visual Programming – 60 – 3 hrs – Lab

14. For which subjects have you used Powerpoint presentations for your lectures, or web pages, or any other innovative methods? Attach any relevant materials or list URL links.

1. Web references: [www.ooad-uml.org](http://www.ooad-uml.org)
2. vidya – Intranet
3. [www.oracle.org](http://www.oracle.org)
4. [www.scholar.google.com](http://www.scholar.google.com)

5. [www.mathworks.com](http://www.mathworks.com)
6. [www.scm.org](http://www.scm.org)

## Part II – Research

**NOTE:** For the period of July 1<sup>st</sup> 2005 – June 30<sup>th</sup> 2007, list the following.

15. B. Tech Projects Supervised (include student name, title & semester/yr):

B.Tech: Final Year

1. Domain Specific Web Search – Natesh Kumar, Narendran (Anna University)
2. Mail Classifier – Vijayakumar, Vanchinathan (Anna University)
3. Watermarking for Text Documents – Anitha, Chitra, Neetha (Anna University)
4. Embedding in Bar Codes – Shivaramakrishnan, Raja (Anna University)
5. Watermarking based on Bio Metrics - Nithya, Sandhya, Durga (Amrita University)

M. Tech Projects Supervised (include student name, title & semester/yr):

MCA:

Every year 3 students have been guided for projects from Industry

If you are currently doing your Ph.D list the following: Title of the thesis, Name of Ph.D. advisor, and Expected date of completion:

“Content Based Watermarking for Image Authentication” – Dr. K Anbumani – Bharathiar University – **Viva Voce examinations in May 2008**

Publications / Patents / Books / Monographs: [Include any URL links to published material]:

### **PUBLICATIONS BASED ON THIS THESIS**

- [a] Latha Parameswaran, “Content-based image authentication scheme,” *Proceedings of National Conference on Multimedia Technologies and Applications*, Karunya University, Coimbatore, India, July 2004, pp. 116-131.
- [b] Latha Parameswaran and K.Anbumani, “Image security using message authentication codes,” *Proceedings of 4<sup>th</sup> National Conference on Advanced Computing*, PSG College of Technology, Coimbatore, India, December 2004.
- [c] Latha Parameswaran and K.Anbumani, “Quadrees-based image authentication,” *Proceedings of National Workshop on Cryptology, Cryptology Research Society of India*, Amrita Vishwa Vidyapeetham, Kollam, India, September 2004, pp. 211-219.

- [d] Latha Parameswaran, "Content dependent image signature for authentication using wavelets," *Proceedings of National Conference on Information Security*, Karunya University, Coimbatore, India, November 2005, pp. 123-137.
- [e] Latha Parameswaran and K.Anbumani, "A robust image watermarking scheme using image moment normalization," presented at the 13<sup>th</sup> *International Conference on Signal Processing*, Budapest, Hungary, May 2006.
- [f] Latha Parameswaran and K.Anbumani, "A robust image watermarking scheme using image moment normalization," *Transactions on Engineering, Computing and Technology*, World Enformatika Society, vol. 13, pp. 239-243, May 2006.
- [g] Latha Parameswaran and K.Anbumani, "A content-based watermarking scheme resilient to geometric attacks," *International Journal of Computer Science*, vol. 2, no.1, pp. 70-75, 2007.
- [h] Latha Parameswaran and K.Anbumani, "A semi fragile content-based image watermarking for authentication in spatial domain using discrete cosine transform," *IEEE International Conference on Signal and Image Processing*, Hubli, Karnataka, India, December 2006, pp. 14-19.
- [i] Latha Parameswaran and K.Anbumani, "A content-based image watermarking scheme for watermarking using quadtrees," *Proceedings of International Conference on Advanced Computing (ADCOM 2006)*, NITK, Surathkal, India, December 2006, pp.151-156 (proceedings by IEEE Press). [www.ieeeexplore.org](http://www.ieeeexplore.org)
- [j] Latha Parameswaran and K.Anbumani, "A semi-fragile image watermarking using wavelet inter-coefficient relations," *International Journal of Information Security & Privacy*, vol. 1, no. 3, pp.61-75, July - September 2007. [www.igiglobal.org](http://www.igiglobal.org) (Idea Group)

Awards and Recognitions:

Won the best paper award for the paper "A Robust Image Watermarking Scheme using Image Moment" World Enformatika Society, Volume 6, 2006, pp.239-243. [www.waset.org](http://www.waset.org)

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### **PART III – SERVICE**

List all formal or informal activities related to department/ school/ university administration.

Conferences/ Workshops/ Seminars organized:

- |                                                                                                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"><li>1. AICTE – ISTE – STTP on “Information retrieval and Security”, Nov – Dec 2004.</li><li>2. Worked for Doctoral Research Symposium, Dec 2004</li><li>3. Worked for ADCOM 2005.</li></ol> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Department or University committee membership activities:

- |                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"><li>1. Member of BoS of B.Tech (CSE)</li><li>2. Member of BoS of MCA</li></ol> |
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### PART IV– CHAIRPERSON’S ASSESSMENT

[NOTE: To be filled by chairperson/ HOD only. Faculty can leave this section blank.]

Chairperson/ HOD: Please give below an objective assessment of the performance of the faculty and overall rating.

30. Overall Rating (on a scale of10):

Component Rating	Teaching	Research	Service	General Attitude / Departmental Citizenship
9-10, Outstanding				
8, Very Good				
7, Good				
6, Satisfactory				
0 - 5, Needs Improvement				

31. Any other Comments:

Date:

\_\_\_\_\_  
Signature of Chairperson

\_\_\_\_\_  
Name in BLOCK LETTERS

32. Overall Recommendation by Faculty Appointments & Promotions (FAP) committee of the school.