

CURRICULUM VITAE OF Dr.P.SHANMUGAVADIVU



1. **Present Position** : Assistant Professor
2. **Educational Qualification** : M.C.A., Ph.D.,
3. **Special Training Undergone** :
 - i. Training Programme on E-Content Development, Centre for E-Content Development and Training, Gandhigram Rural University, Dec.10th - 20th, 2007.
 - ii. Short Term Course on Network Administration, Ramanujan Computing Centre, Anna University, Chennai , Jan.22nd - Feb.3rd, 2001.
4. **Teaching and Research Experience:** **Teaching : 19 Years**
Research : 9 Years
5. **New Courses/ Programmes Evolved/ Organized:**

Involved in designing M.C.A and M.Sc. Information Technology Programmes
6. **Laboratories / Department Established:**
7. **Involvement in Institute Development:**
8. **Research Guidance**

No. of Registered: Two
9. **Research Projects Undertaken**

An Interactive Aid for Resource Mapping using GIS for a Rural Block, (Students' Project, TNSCST, 2004).
10. **List of Publications**
 - a. **International Journals:**
 - i. Impulsive Noise Detection by Second Order Differential Image and Noise Removal using Adaptive Nearest Neighbourhood Filters, International Journal of Electronics and Communications (AEU), Elsevier, Vol.62, pp. 472-477, 2007.

- ii. Adaptive Iterative Order Statistics Filter, ICGST, International Journal on Graphics, Vision and Image Processing, Vol.09 (IV), pp. 23-32, 2009.

b. International Conferences:

- i. Image Inversion and Bi Level Histogram Equalization for Contrast Enhancement, ICFCA 2010, Bangalore (Accepted).
- ii. Classification and Prediction on Financial Database using Decision Trees, International Conference on Information Systems and Software Engineering ICISSE'09, Meenakshi Sundaranar Engg. College, Chennai, Dec'28 and 29, 2009 (Accepted).
- iii. Bi-stage Histogram Equalization for Contrast Enhancement in Digital Images, International Conference on Computing Technologies ICONCT'09, Mepco Schlenk Engineering College, Sivakasi, Dec'8 and 9, 2009 (Accepted).
- iv. Impulsive Noise Removal using Standard Median with Threshold and Modified Sliding Window, Proceedings of IEEE - ICSIP 2006, Vol. II, pp. 702-707, McMillan Advanced Research Series, India.

c. National Conferences:

- i. Edge Oriented Segmented Window Based Adaptive Median Filter, A.V.C College of Engineering, Mayiladuthurai, Oct. 09, 2009.
- ii. Performance Analysis of Localized Texture-Based Decomposition using Gabor Filter, A.V.C College of Engineering, Mayiladuthurai, Oct. 09, 2009.
- iii. Neighbourhood-Based Partitioned Adaptive Median Filter to Suppress Fixed-Value Impulse Noise in Digital Images. A.V.C College of Engineering, Mayiladuthurai, Oct. 09, 2009.
- iv. Median Based Bi-Histogram Equalization For Image Enhancement, National Conference on Computer Intelligence and Image Processing, Ayya Nadar Janaki Ammal College, Sivakasi, August 7, 2009.
- v. Hybrid Recursive Mean Based Bi-Histogram Equalization For Contrast Enhancement in Digital Images, National Conference on Computer Intelligence and Image Processing, Ayya Nadar Janaki Ammal College, Sivakasi, August 7, 2009.

- vi. Neighbourhood Rank-Based Median Filter to Denoise Fixed Value Impulse Noise in Digital Images, National Conference on Computer Intelligence and Image Processing, Ayya Nadar Janaki Ammal College, Sivakasi, August 7, 2009
- vii. Performance Analysis of A Priori Algorithm for Different Support Percentages, National Conference on Computing Technology, Sengunthar Engineering College, Tiruchengode, May 28th, 2009.
- viii. Classification and Prediction on Recruitment Database using Decision Trees, National Conference on Computing Technology, Sengunthar Engineering College, Tiruchengode, May 28th, 2009
- ix. National Conference on Intelligent Optimization Modeling, Dept. of Mathematics, Gandhigram Rural University, March 4th, 2006.
- x. 6th National Conference on Recent Trends on Advanced Computing, Manonmaniam Sundaranar University, Tirunelveli, Feb. 24th, 2006.
- xi. National Conference on Computing and Mathematical Modeling, Dept. of Mathematics, Gandhigram Rural University, March 25th & 26th, 2005.

11. Short Term Courses / Symposium / Conferences Attended

a. Orientation Courses

- Orientation Course on Value Education, Academic Staff College, Bharathidasan University, Trichy, Feb. 21st – Mar. 20th, 2003.

b. Refresher Courses

- i. Refresher Course on Inter-Disciplinary Research in Education, Dept. of Applied Research, Gandhigram Rural University, Oct. 3rd – 23rd, 2003.
- ii. Refresher Course on Rural Development - A Multidisciplinary Perspective, Dept. of Rural Development, Gandhigram Rural University, Nov.13th – Dec. 3rd, 2007.

c. International Conference

- IEEE, International Conference on Signal and Image Processing, Hubli, Dec. 7th - 9th, 2006.

d. International Workshop

- INAE Workshop on Image and Speech Processing, IITM, Chennai, Feb. 26th - 28th, 2006.

e. National Conferences

- i. National Conference on Computing Technology, Sengunthar Engineering College, Tiruchengode, May 28th, 2009.
- ii. National Conference on Intelligent Optimization Modeling, Dept. of Mathematics, Gandhigram Rural University, March 4th, 2006.
- iii. 6th National Conference on Recent Trends on Advanced Computing, Manonmaniam Sundaranar University, Tirunelveli, Feb. 24th, 2006.
- iv. National Conference on Computing and Mathematical Modeling, Dept. of Mathematics, Gandhigram Rural University, March 25th & 26th, 2005.

f. Regional Workshop

- i. Workshop on Digital Image and Video Processing, TEQIP, National Institute of Technology, Tiruchirapalli, Dec. 7th - 12th, 2008.
- ii. Workshop on Open Source & IBM Software, Gandhigram Rural University, Gandhigram, May 8th & 9th, 2008.
- iii. Regional Workshop on Image Processing, Thiagarajar College of Engineering, Madurai, Sep. 10th & 11th, 2003.

12. Short Term Courses / Symposium / Conferences Organized: Nil

13. Membership in Scientific Bodies / Association: Life time Member – ISTE.

14. Resource Person:

- i. Refresher Course in Rural Development on 'Applications of IT for Rural Development', Gandhigram Rural University, 2006.
- ii. Refresher Course in Computer Applications on 'Image Enhancement Techniques', Gandhigram Rural University, 2005.
- iii. TNSCST, Chennai sponsored Young Scientists Programme on 'Basics of Computers', May, 2006.

- iv. ICSSR sponsored Training Programme in Research Methodology on 'Introduction to Internet', at Department of Home Science, January. 4th, 2003.

Guest Lectures Delivered

- i. Delivered keynote address on 'Image Enhancement Techniques', National Conference on Computing Technology, Sengunthar Engineering College, Tiruchengode, May 28th, 2009.
- ii. Delivered Chief Guest Address for National Level Technical Symposium – TECHQUEST'09 and inaugurated Computer Hardware Exhibition at Mount Zion Engineering College, Pudukottai, Mar. 24th, 2009.
- iii. Fatima College, Madurai on 'Image Processing and its Applications', March. 2nd, 2009.
- iv. Vidya Sagar College of Arts and Science, Udumalpet on 'Basics of Image Processing', January 31st, 2009.
- v. Sengunthar Engineering College, Tiruchengode on 'Digital Image Processing', November. 1st, 2008.
- vi. RVS College of Engineering and Technology, Dindigul on 'Software Project Management', September 6th, 2008
- vii. Adi Chunchanagiri College for Women, Cumbum on 'Bluetooth Technology' and was a Chief Guest to inaugurate the Association of Department of Computer Science, July 31st, 2006.
- viii. N.Parvathi's College of Arts and Science, Dindigul on 'Image Processing', March 11th, 2006.
- ix. Delivered Lectures on Fundamentals of Computer for B.Ed. students, Lakshmi College of Education, 1991 & 1992.

15. Reviewer for Journals: Nil

16. Recognitions : Nil

17. Committee Member

- i. Member, Board of Studies in Computer Science and Applications since 1995.
- ii. Member, CBCS Monitoring Committee, 2009.
- iii. Coordinator, National Science Day Celebrations, FROS, 2009.

- iv. Member, Purchase Committee, One-Time Special Grant for the purchase of TFT monitors under buy-back scheme, 2008-2009.
- v. Member SC/ST Standing Committee, 2001-2007.
- vi. Member, Disciplinary Committee, 2000 – 2005.
- vii. Member, Purchase Committee, 2002 till date.
- viii. Member, Committee to prepare Status Report on the Implementation of Reservation Policy, National Commission on SC/ST, 2001.
- ix. Member, Remedial Coaching Courses for SC/ST students (RCCS), 2001.
- x. Member, Centre for Media and Cultural Cell, 2003 – 2008.
- xi. Member, Board of Studies, Dept of Mathematics for M.Sc.(Mathematics & CA).

Member in the Selection Committees at GRU

- i. Served as expert in ACP Committee for non-teaching staff, GRU, Aug. 22nd, 2008.
- ii. Member, Selection of an ST candidate for the post of Lecturer, Department of Physics, Aug. 22nd, 2008.
- iii. Member, Selection Committee for DTP Operator, Dept. of ACE&E, Jul. 7th, 2007.
- iv. Member Selection Committee, Statistical Assistant, Feb. 2nd, 2003.
- v. Member Selection Committee, Information Scientist, Library, GRU, Apr. 1st, 2004.
- vi. Member of Selection Committee, Nominee, Representative in the Selection Committee for Lecturers in English, Biology and Computer Science, 2001.
- vii. Member, Selection Committee, Data Entry Operator for Library, IRH & FW, Nov. 9th, 2001.

18. Fellowship Received: Nil

19. Foreign Countries Visited: Nil

20. Administrative Experience

- i. Member, Internal Quality Assurance Cell, GRI, 2009.
- ii. Resident Warden, Ladies' Hostel during 1991 – 1993.
- iii. Deputy Warden, Ladies Hostel, 1994.

21. Others

Association with L-RAMP Programme, GRI

- i. Served as Member of Project Selection and Monitoring Committee to scrutinize the Project Proposals submitted by the Students of Various Engineering College in Southern Tamil Nadu under Student Project Support Scheme, L-RAMP at Thiagarajar College of Engineering, Madurai.
- ii. Served in the Selection Panel of L-RAMP's My Idea Programme at National Engineering College, Kovilpatti.
- iii. Served in the Selection Panel of L-RAMP's My Idea Programme at SASTRA University, Thanjavur.
- iv. Served in the Selection Panel of L-RAMP's My Idea Programme at PRIST University, Thanjavur.

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