



**Dr.P.RAVIRAJ**  
**Professor**

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**Communication Address**

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Professor & Head,  
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**Residential Address**

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Kalluppatty,  
Meenachiapuram(post),  
Rajapalayam(TK),  
Virudhunagr(Dist)-626 111,  
Tamilnadu, India

Mobile: +91 9751012824

**My Performa**

**Father's Name:** M.Pandian

**DOB** : 21-06-1980

**Age** : 31

**Sex** : Male

**Nationality** : Indian

**Marital Status** : Married

**Languages** : English,Tamil

# CURRICULAM VITAE

IJENS-RPG [IJENS Researchers Promotion Group]

**ID: IJENS-1071-Raj**

**Educational Qualifications**

- Passed **B.E. (CSE)** from Maharaja Engineering College, Avinashi, affiliated to Bharathiar University, in the year 2002 with 74 % as First class.
- Passed **M.Tech (Computer & Information Technology)** from Manonmaniam Sundaranar University, Tirunelveli, in the year 2004 with 81% as First Class.
- Awarded **Ph.D. (Computer Science and Engineering)** from Vinayaka Missions University, Salem in the year of May'2010.

**Thesis Title:** "Progressive Bayesian Compression Coding for Error-Diffused Bi-Level Images".

**Skills**

- Operating Systems : MS-DOS, Windows XP, UNIX.
- Programming Languages: C,C++,JAVA,COBOL, Fortran
- GUI : VISUAL BASIC 6.0.
- Concepts : Compilers, Automata theory.
- Web Development Tools: HTML.
- RDBMS : Oracle 8.0

**Subjects of Interest**

- Conceptual ideas of Theory of Computation.
- Concepts on System Software.
- Knowledge on Compiler Design & Image Processing
- Awareness on Computer Networks, Web Technology

**Professional Experience**

Organization	Designation	From	To	Years of Experience
Kalaignar Karunanidhi Institute of Technology, Coimbatore	Professor & Head	Nov'2011	Till date	8 months
SKP Engineering College, Tiruvannamalai	Professor & Head	1 <sup>st</sup> April 2011	Oct'2011	6 months
Karunya University, Coimbatore	Assistant Professor (SG)	June 2008	Till date	2 yrs 10 months
Sri Vishnu Engg. College for Women	Associate Professor	April 2007	June 2008	1 yr 2 months
Adhiyamaan College of Engineering, Hosur	Lecturer	April 2004	April 2007	3 yrs
Christian College of Engineering, Oddanchatram	Lecturer	Feb 2003	April 2004	1 yr 2 months

**Total Experience in Teaching: 9 Years 4 months**

**Other Experience**

- Worked as one of the Department team member to get NBA for Adhiyamaan College of Engg.
- Worked as a Coordinator for the National Level Technical Symposium.
- Acted as a Project Coordinator for UG & PG Students.
- Having Experience to conduct National level Seminars / Conferences / Workshops.
- Delivered Guest Lecture in Various Institutions.
- Actively Participated in many Computer Oriented Exhibitions and Conferences and was a member in ISTE, CSI.
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**Subjects Handled from 2003 to till date****UG Subjects**

- System Software
- Web Technology
- Theory Of Computation

**PG Subjects**

- 1) Compiler Design
- 2) Web Design
- 3) Advanced Computer Graphics

- Principles of Compiler Design
- Programming in C
- 4) Network Protocols
- 5) Computer Architecture

### Journal Publications

#### International Journal:

- [1]. **Raviraj.P**, Sanavullah.M.Y, "Progressive Error-Diffused Bi-level Image Compression coding Using Baye's Theorem", in *Journal of Engineering and Applied Sciences*, Vol -2, No.4, 2007, pp. 966-971
- [2]. **Raviraj.P**, Sanavullah.M.Y, " The Modified 2D Haar Wavelet Transformation in Image Compression", in *Middle East Journal of Scientific Research* , Vol.2, 2007, pp.73-78
- [3]. **Raviraj.P**, R.Eswin Pria Angel, Sanavullah.M.Y," An Efficient Approach for Shape Representation in Morphology by Combining Chaincode and Line Descriptors", in *TECHNIA-International Journal of Computing Science and Communication Technologies*,Vol-1, July-2009, pp.356-363.
- [4]. **Raviraj.P**, R.Eswin Pria Angel, Sanavullah.M.Y," An Efficient Ultrasound Image Compression and Decompression Using DWT and Bayesshrink Algorithm", in *Georgian Electronic Scientific Journal: Computer Science and Telecommunications*, Vol-6(23), 2009, pp.83-93.
- [5]. Seetha.S, **Raviraj.P**, " A Two Level Architecture Using Consensus Method For Global Decision Making Against DDoS Attacks", in *ICTACT Journal on Communication Technology(IJCT)*, June 2010, Vol-1,Issue:02, pp.85-90
- [6]. **Raviraj.P**, Merlin Benny, Eswin Pria Angel, " A New Approach for Overcoming the Plagiarism of Text Documents by Using Levenshtein Distance Algorithm", in *International Journal of Advanced Computer Engineering*. (Accepted for Publication)
- [7]. Raja Mohamed.S, **Raviraj.P**, " An AI based framework proposal for real time Robot design using Framsticks", in *LNCS Springer (CCIS Series)*, Sep-2011,Vol-205,pp.461-467 . (Impact factor 0.130).
- [8]. Shanmuganathan.C, **Raviraj.P**, "A Comparative Analysis of Demand Assignment Multiple Access Protocols for Wireless ATM Networks", in *LNCS Springer (CCIS Series)*, Sep-2011,Vol-204,pp.523-533 . (Impact factor 0.130).
- [9]. **Raviraj.P**, Angelin Lydia, Sanavullah.M.Y," An Accurate Image Segmentation Using Region Splitting Technique", in *Georgian Electronic Scientific Journal: Computer Science and Telecommunications*, Vol-2(31), 2011,pp.12-21.
- [10]. Raja Mohamed.S, **Raviraj.P**, "Biologically Inspired Design Framework for Robot in Dynamic Environments Using Framsticks", in *International journal on Bioinformatics and Biosciences(IJBB)*, Vol.1, No.1,Dec 2011,pp.27-35.
- [11]. Shanmuganathan.C, **Raviraj.P**, "Performance Measures of Wireless Protocols for ATM Networks", in *International journal of Mobile Network Communications and Telematics(IJMNCT)*, Vol.2, No.2,Apr 2012,pp.31-44

**National Journal:**

- [1]. **Raviraj.P**, Sanavullah.M.Y , "A New approach for Morphological Reconstruction of semantic layers in map images", in *ACCST Research Journal* on Vol-IV, Oct-2007.
- [2]. **Raviraj.P**, Sanavullah.M.Y, "Performance Evaluation of Wavelet algorithms for Efficient Image Compression", in *Engineering Today* on Vol -IX, Jan-2007, pp.10-13.

**International & National Conferences****International Conferences:**

- [1]. **Raviraj.P**, Sanavullah.M.Y, "Progressive Bayesian Compressing Coding of Error- Diffused Bi-level images", in *International conference on Emerging Adaptive Systems and Technologies (EAST-2005)* at Noorul Islam College of Engg., Kumaracoil on 16<sup>th</sup> and 17<sup>th</sup> of Dec 2005.
- [2]. **Raviraj.P**, Sanavullah.M.Y , "Performance Evaluation of Wavelet Transforms for Efficient Image Compression", in *International conference on Cognition and Recognition (ICCR'05)* at P.E.S College of Engg., Mandya on 22<sup>nd</sup> and 23<sup>rd</sup> of Dec 2005.
- [3]. **Raviraj.P**, Sanavullah.M.Y, "A New Dynamic Finite-state Vector Quantization Algorithm for Image Compression", in *International conference on Systemics, Cybernetics and Informatics (ICSCI'06)* at Pentagonam Research Centre, Hyderabad on Jan 04-08,2006
- [4]. **Raviraj.P**, Sanavullah.M.Y, "Implementation of Modified Haar Wavelet Transform in Image Compression", in *ISCO'06* at Karpagam College of Engg.,Coimbatore on Aug 9- 11,2006.
- [5]. **Raviraj.P**, Sanavullah.M.Y, "An Optimized JPEG Dequantization Array for Regularized Decompression", in *International Conference on Frontier Technologies Need For the Industry, Business and Education* at Adhiyamaan College of Engg., Hosur, on 06-08 Sep-2006.
- [6]. **Raviraj.P**, Sanavullah.M.Y, "Lossless Compression of Bi-Level Error-Diffused Images using Bayes' Theorem", in *IEEE International Conference on Signal and Image Processing (ICSIP'06)* at BVB College of Engg. And Technology, Hubli on 07-09 Dec-2006.
- [7]. John Livingston, **Raviraj.P**," An Efficient Multispectral Image Compression Using Class Adaptive KLT", in International Conference on Emerging Trends in Engineering Technologies at Noorul Islam University,Kumaracoil on 25-26 March 2010. (Received Best Paper Award)
- [8]. Angelin Lydia, **Raviraj.P**," An Efficient Image Segmentation Using Region Splitting Technique", in International Conference on Emerging Trends in Engineering Technologies at Noorul Islam University,Kumaracoil on 25-26 March 2010.
- [9]. Raja Mohamed.S, Shanmuganathan.C, **Raviraj.P**,"Estimation of Acoustic Resonance in Speech Using an Autoassociative NN for Sanskrit", International Conference on Language Development and Computing Methods at Karunya University,Coimbatore on 2-3 Dec 2010.

[10]. Raja Mohamed.S, **Raviraj.P**, ” Prosodic Feature Extraction for Regional Tamil dialects”, International Conference on Emerging Trends in Electrical and Computer Technology (ICETECT 2011)(*Published in IEEE Explore*) St. Xavier’s Catholic College of Engineering, Nagercoil on March 22-23.

[11] Raja Mohamed.S, **Raviraj.P**, ” An AI based framework proposal for real time Robot design using Framsticks” in DPPR-2011 at Manonmaniam Sundaranar University, Tirunelveli, Sep 23-25, 2011.

[12] Shanmuganathan.C, **Raviraj.P**, ”A Comparative Analysis of Demand Assignment Multiple Access Protocols for Wireless ATM Networks”, in CCSEIT-2011 at Manonmaniam Sundaranar University, Tirunelveli, Sep 23-25, 2011.

#### National Conferences:

[1]. **Raviraj.P et.al.**, A Modified Steganography Scheme for Data Hiding with Binary Images”, in the *National Conference on ‘ETICSE-2006’* at KSR college of Tech on 06-07 Jan-2006.

[2]. **Raviraj.P et.al.**,”A Fast Segmentation Algorithm for Bi-level Image Compression using JBIG2”, in the *National Conference on ‘Emerging Trends in Information Technology’* at Vivekanandha Institute of Information and Management Studies, Tiruchengode on 3<sup>rd</sup> March-2007. (Received Best Paper Award)

[3]. **Raviraj.P et.al.**,” A Performance Analysis in Routing under Peer to Peer Applications over Mobile Adhoc Networks” in the *National Conference on ‘NCCINS’* at Vivekanandha College of Engg. for Women, Tiruchengode on 7<sup>th</sup> March-2007.

[4]. **Raviraj.P et.al.**,” Multihop Adhoc Networks Based on Bluetooth Devices Establishment using Blue star Formation Protocol”, in the *National Conference on ‘Recent Trends in Information Technology’* at East West Institute of Technology, Bangalore on 30<sup>th</sup> March-2007.

#### Projects / Thesis Guided

- ❖ No. of B.E. Projects Guided: 21
- ❖ No. of M.E. Projects Guided: 04

#### Recognized Supervisor for guiding Ph.D. students

- ❖ Recognized Supervisor for guiding Ph.D. students in Karunya University from August’2010
- ❖ Recognized Supervisor for guiding Ph.D. students in Karpagam University from Nov’2010
- ❖ Recognized Supervisor for guiding Ph.D. students in Manonmaniam Sundaranar University, Tirunelveli from March’2011

No. of Ph.D. Scholars Guiding: 04

**Editorial Board Member of Scientific Journals**

Recognized as a **Regional Editor** of the following Science Alert Journals in Newyork, USA.  
( All these journals are indexed in ASCI-Database, Directory of Open Access Journals, Ei Compendex, EMBASE, Google Scholar, SCIMAGO, SCOPUS etc.)

- 1) Information Technology Journal  
Ref: <http://scialert.net/jindex.php?issn=1812-5638>
- 2) Research Journal of Information Technology  
Ref: <http://scialert.net/eboard.php?issn=1815-7432>
- 3) Journal of Software Engineering  
Ref: <http://scialert.net/eboard.php?issn=1819-4311>
- 4) Asian Journal of Scientific Research  
Ref: <http://scialert.net/eboard.php?issn=1992-1454>
- 5) Singapore Journal of Scientific Research  
Ref: <http://scialert.net/eboard.php?issn=2010-006x>

**Seminars/FDP/Workshops Details**

- ❖ No. of Seminars/ FDP/Workshops attended : 15
- ❖ No. of Seminars/ FDP/Workshops/Conference Organized : 05
- ❖ No. of Seminars delivered : 04

**Place:** Coimbatore

yours faithfully,

**Date :**02.06.2012

  
**Dr.P.Raviraj**