CURRICULAM VITAE

Dr.P.RAVIRAJ
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Communication Address

Dr.P.Raviraj,
Professor & Head,
Dept. of CSE,
Kalaignar Karunanidhi
Institute of Technology,
Coimbatore-641 402,
Tamilnadu,Iindia
Mobile: +91 9751012824

Residential Address

Dr.P.Raviraj,
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

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	1st 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.
- ➢

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   4) Network Protocols
- ➢ Programming in C   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 16th and 17th 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 22nd and 23rd 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 Pentagram 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 Langauge 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 3rd 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 7th 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 30th March-2007.

Projects / Thesis Guided

- ❖ No. of B.E. Projects Guided: <u>21</u>
- ❖ No. of M.E. Projects Guided: <u>04</u>

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: <u>04</u>

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**