



ABHIJIT V CHITRE

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Education:	<ul style="list-style-type: none">• B.E. (Electronics) University Of Pune 1999• M.Tech(Digital Systems) COEP 2007• Ph.D (Registered) 2011-12• Total teaching Experience : 11 years
Research Interests:	<ul style="list-style-type: none">• Digital Signal and Image Processing• VLSI
Funded Research Projects:	<ul style="list-style-type: none">• Sponsoring Agency: University Of Pune• Amount Rs 2,50,000/- (US\$5000 approximately)• Project: Estimating Power Dissipation in VLSI Circuits and Reducing It• By Using Energy Recovery Adiabatic Technique• Status: Complete• Co-Investigator
Teaching:	<ul style="list-style-type: none">• Digital Design And Computer Organization• Microprocessor, Microcontroller and Its Applications• Advanced Microprocessor• Analog Communication• Signals and Systems• Electromagnetic Waves & Radiating System• Signal Coding And Estimation Theory• Digital Signal Processing
Projects:	<ul style="list-style-type: none">• Undergraduate Projects guided: 20 +

<p>Professional:</p>	<p><u>Membership:</u></p> <ul style="list-style-type: none"> • Life Member of ISTE • Life Member of IETE
<p>Publications:</p>	<ul style="list-style-type: none"> • International Journals: 3 • International Conferences: 3 • National Conferences : 03 • Details of Publications (Please see the attached sheet)
<p>Computer Skills:</p>	<ul style="list-style-type: none"> • Languages: Matlab, C • Applications: Microsoft office, common Windows database, spreadsheet, and presentation software's • Softwares: Xilinx, Leonardo Spectrum, Labview, Modelsim • Operating Systems: Windows.
<ul style="list-style-type: none"> • Invited Talks 	<ul style="list-style-type: none"> • Faculty for conducting course in MATLAB for MATLAB/OCTAVE organized under THE IET, IEEE and TEQIP program at college of engineering Pune on 12,13,14 and 27th Oct 2007 • Faculty for conducting course in MATLAB for MATLAB/OCTAVE organized under THE IET, IEEE and TEQIP program at college of engineering Pune on 13,14 Oct 2006 • Faculty for conducting course in MATLAB for MATLAB TOOLBOXES (COEP), 15th and 16th Sept. 2006 • Faculty for conducting VHDL module at CDAC centre • Faculty for MATLAB CEEP at VIIT • Faculty for Actel workshop at BVPCOE for lecture on test bench. • Faculty for STTP on Matlab & Image processing at BVP college Satara Dec-2008 • Faculty to conduct Matlab Workshop at MIT college Aurangabad in Feb-2009 • Invited as a resource person during ISTE approved STTP on "Signal Processing and Analysis using MATLAB in Engg." on 8th Dec 2009 at Padmabhushan Vasantrao Patil Institute of Technology (PVPIT), Budhgaon (Sangli), Shivaji University, Kolhapur, to deliver an expert lecture on Image processing toolbox. • Invited as a speaker for delivering lecture on "Applications of

mathematics in electronics engineering:” at SCOE Kondhwa on 30th Dec 2009.

- Speaker in Labview workshop at VIIT

**Publications: (International and National Conferences)
Conferences**

1. Y H Dandawate ,M.A.Joshi and A.V.Chitre , “Comparison of performance of code book design using neural network”, **National conference** on emerging trends in Electronics and Telecom, VPMCOE, Baramati, July 2007.
2. Y H Dandawate ,M.A.Joshi and A.V.Chitre, “Colour image compression Using Enhanced Vector Quantizer designed with Self Organizing Feature Map”, Proceedings of **International Conference On Information Processing** , ICIP-07 , Bangalore, August 2007. pp 80-85 ISBN: 978-81-89866-51-8
3. Y H Dandawate ,M.A.Joshi and A.V.Chitre , “Image Compression using Enhanced Vector Quantizer designed with Kohonen’s Self Organizing Feature Maps: The Quality Analysis”, Proceedings of **National conference on Signal Processing and Automation, D Y Patil, Pune**, September 2007.pp 32-35
4. Y H Dandawate ,M.A.Joshi and A.V.Chitre “Quality analysis of color image compressed with enhanced vector quantizer using HSV color space”, Proceedings of **International conference On Computational Intelligence And Multimedia Applications, ShivKashi, Tamilnadu, December 2007**(proceeding published by IEEE computer society press) vol III, pp- 138-143 ISBN 0-7695-3050
5. A.V.Chitre ,Dr.A.S.Abhyankar “Emperical Mode Decomposition For The Analysis Of Harmonium Notes” NCMVIP 2011.

International

Conference on Advanced In Computer Vision And Information Technology , Aurangabad, November 2007.pp 789-795

5. Y H Dandawate ,M.A.,Joshi and A.V.Chitre, “ Quality analysis of color images compressed with enhanced vector quantizer design using HIS color space” Proceedings of **International conference On Computational Intelligence And Multimedia**

Applications, ShivKashi, Tamilnadu, December 2007(proceeding published by IEEE computer society press) vol III, pp- 138-143 ISBN 0-7695-3050

Journals

1. Y.H.Dandawate , T.R.Jadhav, A.V.Chitre and M.A.Joshi, "Neuro-Wavelet based Vector Quantizer design for Image Compression " **Indian Journal of Science and Technology. (International)** Vol.2 No. 10 (Oct 2009) pp 56-61 ISSN: 0974- 6846

2. Y.H.Dandawate , P.G.Gawande, T.R.Jadhav and A.V.Chitre "Quality Analysis of Medical Images Compressed Using Wavelet Based Vector Quantizer " International Journal of Research in science and Technology , Online web based Journal, Vol I Issue 1 Oct2010 pp 9-15 ISSN 2239-5135 www.injorest.org

3. P D Khandekar, S Subbaraman, Manish Patil, and Abhijit Chitre, "Low Power Inverter and Barrel Shifter Design Using Adiabatic Principle", Advances in Computational Sciences and Technology (ACST), Accepted for publishing (paper identifier no.763)