



Mrs. ASHWINI PRAVIN NAVGHANE

Assistant Professor

Department of Electronics and Telecommunications

[Vishwakarma Institute of Information Technology](#), Pune 411048

C002 , Department of Electronics and Telecommunications

Phone: (+91)-(020) 26932300 - (ext: 252)

Fax: (+91)- (020) 26932500

Email: ashwineen1@rediffmail.com

Education:	<ul style="list-style-type: none">• M.E. (E&TC Microwave), University of Pune 2008• B.E – GRADIETE – 2002• D.E.T.E. M.S.B.T.E. 1996• Total teaching Experience : 3years 6months
Research Interests:	<ul style="list-style-type: none">• Digital Image Processing• Artificial Neural Networks
Teaching:	<ul style="list-style-type: none">• Network Analysis• Digital Systems• Electromagnetics• Network Synthesis & Filter Design• Digital Image Processing
Projects:	<ul style="list-style-type: none">• Undergraduate Projects guided: 4
Professional:	<p><u>Membership:</u></p> <ul style="list-style-type: none">• Associate Member of IETE (Applied for Fellow)
Publications:	<ul style="list-style-type: none">• International Conferences: 1• National Conferences : 02
Computer Skills:	<ul style="list-style-type: none">• Languages: Matlab, C• Applications: Microsoft office, common Windows database, spreadsheet• Operating Systems: Windows.

Publications: (International and National Conferences)

1. **Y H Dandawate**, M.B.Mali and M.M.Jadhav , “MEMS Solution to optical switching”, Proceedings of **National conference ACE03**, Pune, 2003
2. **Y H Dandawate** and D.M.Bhalerao, “Cryptomemory: Storage with security”, Proceedings **International conference IMAE-05** , P.I.E.T. Pune, 4th & 5th January 2005.(CD media) Abstract –Electronics 07
3. P.G.Gawande,**Y H Dandawate**, M.A.Joshi and A.M.Sapkal , “Supervised Image Classification by Artificial Intelligence”, Proceedings of **International conference IMAE-05** , P.I.E.T. Pune, 4th & 5th January 2005. .(CD media) Abstract –Electronics 18
4. **Y H Dandawate**, A.S.Tavildar, R.B.Ghongade and M.A.Joshi , “Application of broadband communication in health care”, Proceedings **National conference on Broadband Communication**, organized by IETE Pune, July 2005.
5. P.G.Gawande,**Y H Dandawate** and M.A.Joshi “Supervised Image Classification by Artificial Neural Network”, Proceedings of **National conference on Advancements in Electronics & Computer**, Aurangabad, January 2006.pp 181-185
6. R. B. Ghongade, **Y H Dandawate** and A.A.Ghatol , “Electrocardiogram Frequency Spectrum Application in Clinical Diagnosis and Tele medicine”, **National conference on Biomedical Engineering**, Pune, September 2006.
7. **Y H Dandawate**,M.A.Joshi and A.V.Chitre, “Improvement in performance of image compression using VQ designed with SOFM”, **National conference** on emerging trends in Electronics and Telecom, Kottayam, 5th May 2007
8. **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.
9. **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
- 10.**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
- 11.**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 Advanced In Computer Vision And Information Technology** , Aurangabad, November 2007.pp 789-795
- 12.**Y H Dandawate** and M.A.Joshi“Quality improvement of image compressed using VQ designed with Kohonen SOFM”, Proceedings of **International Conference On Advanced In Computer Vision And Information Technology**, **Aurangabad**, November 2007.pp 932-940 ISBN: 978-81-89866-74-7
- 13.**Y H Dandawate**,M.A.Joshi and S.M.Umrani, “Performance Comparison of Color Image Compression Based on Enhanced Vector Quantizer Designed Using Different Color Spaces”, Proceedings of **International conference on Intelligent and Advanced Systems**, **Kualalumpur, Malaysia**, November 2007(Paper published in IEEE proceeding).pp-626-630 ISBN: 978-1-4244-1355-3
- 14.**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 0-7695-3050-8
- 15.**Y H Dandawate** and M.A.Joshi, “ Performance analysis of image compression using enhanced vector quantizer design with self organizing feature maps” Proceedings of **International conference On Computational Intelligence And Multimedia**

Applications, ShivKashi, Tamilnadu, December 2007(proceeding published by IEEE computer society press) Vol III pp 128-133 ISBN 0-7695-3050-8

16. **Y H Dandawate** M.A.Joshi and P.G.Gawande, "Image Compression using Enhanced Vector Quantizer Designed with Selective Training of Unsupervised Neural Network", Proceedings of **International Conference On Wireless Communications And Multimedia Technology, Mumbai** January 2008, IET (UK) sponsored. pp. 263 -266 ISBN: 978 0 86341 887 7
17. **Y H Dandawate** ,M.A.Joshi and S.M.Umrani, "Compression of Medical Images Using Enhanced Vector Quantizer with Self Organizing Feature Maps", Proceedings of **International Conference In Medical Biometrics, Hong Kong**, January 2008 (Proceeding published by Springer LNCS) pp 256-264
18. **Y H Dandawate**, P. U. Chavan and M.A.Joshi, " Vector quantizer design using genetic algorithm for image compression" **International Conference on Advanced computing and Communication Technologies organized by Asian Pacific Institute Information Technology, Panipat, Hariyana**, November 2008.
19. S.B.Charhate , **Y H Dandawate**, Dr. Londhe, "Genetic programming to forecast stream flow" Proceedings of **16th IAHR-APD Congress at Nanjing, China**, October 2008. Vol.I pp 29-34 ISBN 978-7-302-18662-5

Referred Journals :

20. **Y.H.Dandawate** and M.A.Joshi "Image Compression using Generic Vector Quantizer designed with Kohonen Artificial Neural Networks: The Quality Improvement Perspective " Accepted for publication in **International Journal of Information Processing (IJIP)**.
21. **Y.H.Dandawate**, M.A.Joshi and T.R.Jadhav "Recent Trends in Image Compression Using Vector Quantization: A Neural Network Approach ' **Indian Journal of Science and Technology. (International)** (Accepted for Publication in June 2009)
22. **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)** (Accepted for Publication in June 2009)