

Name of Teaching Staff Prof.(Mrs.) Vishakha V. Kelkar
Designation Assistant Professor
Department Electronics & Telecommunication Engineering
Date of Joining the Institution 16.10.2006



Qualifications with Class / Grade
1. M.E. (Electronics Engg.) from University of Mumbai 1st Class with distinction, 73.88% September, 2003.
2. B.E. (Electronics Engg.) from University of Mumbai, 1st Class with honours, 62.3%, May, 1992.
3. Ph.D.(Pursuing), SNDT University.

Total Experience in Years **Teaching: 23 years**
1. Assistant Professor in D.J. Sanghvi College of Engineering from 16.10.2006 till date.
2. Lecturer (Sr. Grade), Thadomal Shahani College of Engineering from January, 1999 to 15.10.2006.
3. Lecturer in P.V. Polytechnic S.N.D.T. University from July, 1993 to December, 1996.

Industry: --

Research: --

Papers Published

National: 3

1. Published and presented paper on "Adaptive Thresholding of Digital Images" in NCIP'04 at Thadomal Shahani Engg. College.
2. Published paper on "Low bitrate Digital Water marking" at MERG 07 (National Conference on Information Security) at Vadgaon (bk), Pune.
3. Published paper in Technofocus on "Image Encryption Using Chaos & Wavelets" in Jan.10.

International: --

1. Patki, Priti Sudhir, and Vishakha V. Kelkar. "Classification using Different Normalization Techniques in Support Vector Machine." ICCT-2013ISSN is 0975-8887 and ISBN is 973-93-80877-86-5.
2. Kar, Shivali A., and Vishakha V. Kelkar. "Supervised and Unsupervised Neural Network for
3. Classification of Satellite Images." ICCT-2013ISSN is 0975-8887 and ISBN is 973-93-80877-86-5.
4. Kulkarni, Shivali, and Vishakha Kelkar. "Classification of multispectral satellite images using ensemble techniques of bagging, boosting and adaboost." Circuits, Systems,

- Communication and Information Technology Applications (CSCITA), 2014 International Conference on. IEEE, 2014.
5. Avasare, Minal, and Vishakha Kelkar. "Image Encryption using Chaos Theory." *International Journal of Global Technology Initiatives* 3.1 (2014): B135-B142.
 6. Avasare, Minal Govind, and Vishakha Vivek Kelkar. "Image encryption using chaos theory." *Communication, Information & Computing Technology (ICCICT), 2015 International Conference on. IEEE, 2015*
 7. Nemade, Hitesh S., and Vishakha Kelkar. "Reversible watermarking for colored medical images using histogram shifting method." *Computing for Sustainable Global Development (INDIACom), 2016*
 8. Kelkar, Vishakha, and Hitesh Nemade. "Reversible watermarking in medical images using histogram shifting method with improved security and embedding capacity." *Recent Trends in Electronics, Information & Communication Technology (RTEICT), IEEE International Conference on. IEEE, 2016.*
 9. Mehta, Jinal H., Vishakha Kelkar, and Kushal Tuckley. "A robust reversible watermarking technique based on prediction error expansion using ECC." *Advances in Computing, Communications and Informatics (ICACCI), 2017 International Conference on. IEEE, 2017.*
 10. Mehta, Jinal H., and Vishakha Kelkar. "Comparison of reversible watermarking using prediction error expansion and prediction error expansion considering region of interest for medical images." *Convergence in Technology (I2CT), 2017 2nd International Conference for. IEEE, 2017.*
 11. Kelkar, Vishakha, Kushal Tuckley, and Hitesh Nemade. "Novel Variants of a Histogram Shift-Based Reversible Watermarking Technique for Medical Images to Improve Hiding Capacity." *Journal of healthcare engineering* 2017 (2017).
 12. Kelkar, Vishakha, Jinal H. Mehta, and Kushal Tuckley. "A Novel Robust Reversible Watermarking Technique Based on Prediction Error Expansion for Medical Images." *Proceedings of 2nd International Conference on Computer Vision & Image Processing.* Springer, Singapore, 2018

PhD Guide ? Give field & University

Field:

University:

PhDs / Projects Guided

PhDs :

Projects at Masters level:

Books Published / IPRs / Patents

Professional Memberships

Consultancy Activities

Awards

Best teacher of the department award.

Grants fetched

Mumbai University Minor Research grant for years: 2013-14 , 2016-17

Interaction with Professional
Institutions