

Prof.(Mrs.) Purva Chaitanya Badhe



Designation: Assistant Professor

Department : Biomedical Engineering

Date of Joining the Institution : 4.1.2015

Qualifications with Class / Grade :

1. M.Tech.(Electronics and Telecommunication), Mukesh Patel School of Technology Management and Engineering, NMIMS University, CGPA: 4/4, June 2014
2. B.E. (Biomedical Engg.), June 2010, (80.00%), University of Mumbai.
3. Pursuing Ph.D. (Electronics and Telecommunication Engineering) Mukesh Patel School of Technology Management and Engineering, NMIMS University

Total Experience in Years :

Teaching: **8.5 Years July 2011 till Date**

1. Assistant Professor, D.J. Sanghvi College of Engineering from 4.1.2015 till date.
2. Assistant Professor (Adhoc), D.J. Sanghvi College of Engineering from 11.7.2011 to 30.12.2014.

Industry: 1 year June 2010- June 2011

Trainee Service Engineer- Transasia Biomedicals Ltd, (14.06.2010 to 30.06.2011)

Papers Published :

International

1. Purva Badhe and Vaishali Kulkarni, A Review on Posture Assessment, IOSR Journal of Sports and Physical Education (IOSR-JSPE) e-ISSN: 2347-6737, p-ISSN: 2347-6745, Volume 5, Issue 5, (Sep. – Oct. 2018), PP 08-15, DOI: 10.9790/6737-05050815
2. Purva Nanivadekar and Vaishali Kulkarni, Gesture Recognition: A Revolutionary Tool, International Journal of Technological Advancement and Research, Volume 3 Issue 3, and ISSN: 2249-8141 pp. 24-28.
3. Purva Nanivadekar and Shivali Kar, Microcontroller based Rehabilitation Stimulator, International Journal of Computer Applications (0975 –8887) pp.17-21.
4. Purva Nanivadekar and Vaishali Kulkarni, Sign Language Recognition: A survey, IEEE Xplore, ICECS 2014 pp. 452-457.
5. Purva Nanivadekar and Vaishali Kulkarni, Indian Sign Language Recognition: Database Creation, Hand Tracking and Segmentation, proceedings of CSCITA 2014, IEEE Xplore pp. 358 – 363.
6. Siddhi Bhandarkar, Antara Dandekar, Milparinka Desai, Comparative Review of Ultrasound Based Techniques used for Diagnosis of Prostate Cancer, International Journal of Engineering Trends and Technology (IJETT), V23(3),138-141 May 2015. ISSN: 2231-5381.
7. Purva Badhe and Vaishali Kulkarni, Indian Sign language Translator using Gesture Recognition Algorithm, proceedings of CGVIS 2015, IEEE Xplore.
8. Akshay V. Dhamankar, Dheeraj Dandanaik, Smit Shah, Purva C. Badhe, A review of X ray in line phase contrast imaging in diagnosis of cardiac embolization and malignant tissue, International Journal of Engineering Trends and Technology (IJETT), Vol 29, Number 2, Nov. 2015, Serial No 19

National:

1. A Review on Sign Language Recognition for Improved Communication, NMIMS Engineering Technology Review Journal, Special Issue, January 2019

Papers Presented in Conferences :

International:

1. Microcontroller based Rehabilitation Stimulator, I International Conference on Communication Technology 2013
2. Sign Language Recognition: A survey, IEEE Xplore, ICECS 2014 pp. 452-457.
3. Indian Sign Language Recognition: Database Creation, Hand Tracking and Segmentation, proceedings of CSCITA 2014, IEEE Xplore pp. 358 – 363.
4. Indian Sign language Translator using Gesture Recognition Algorithm, proceedings of CGVIS 2015, IEEE Xplore.

Awards : University gold Medalist at NMIMS University - M.Tech (Electronics and Telecommunication), June 2014

Workshops/Conferences and Trainings attended:

1. Completed AICTE sponsored short term training program on “Medical Image Processing and Image Analysis” organized by Vishwakarma Institute of Technology, Pune- 2nd to 7th Dec 2019.
2. Successfully completed coursera course on: “AI for everyone ” by deeplearning.ai
3. Successfully completed courser course on : “Neural Networks and Deep Learning” by deeplearning.ai
4. Participated in two days Faculty Development Program on “Active teaching learning strategies using Innovative Technology” organized by D J Sanghvi College of Engineering, 25th and 26th February 2019.
5. Participated in 2 Day Industry Interface Program- Imaging for Future Organized by Siemens Healthineers, 23-24th July 2018, Mumbai
6. Attended ISTE approved Short Term Training Program on “Insights of Machine Learning and Deep Learning”, Organized by Dept of Computer Engineering, D J Sanghvi College of Engineering. 2nd July -6th July 2018, Mumbai.
7. Participated in CGVIS 2015 at KIIT, Bhubaneshwar
8. A part of Organizing committee of International Conference on Communication Technology, ICCT 2015 organized by D J Sanghvi College of Engineering.
9. Participated in International Conference on Electronics and Communication systems 2014, Coimbatore
10. Participated in International Conference on Electronics and Communication systems 2014, Coimbatore
11. Participated in International conference of Signal and Image Processing 2013- IIT- Indore
12. Participated in International Conference on Communication Technology 2013, Mumbai
13. Completed “4th MRI Training Course” organized by Professional Radiology Education in collaboration with IIT-B, held on 8th and 9th June 2013 at Nanavati Hospital, Mumbai
14. Attended a Seminar on “NANOTECHNOLOGY” on 30th January 2008 organized by Biomedical Engineering Dept, D.J.Sanghvi College of Engineering, Vile Parle, Mumbai.
15. Attended a Seminar on “NEW ERA CARDIAC CARE” on 10th February 2007 at Thadomal Shahani Engineering College, Bandra, Mumbai.