Name of Teaching Staff: Prof.(Mrs.) Shruti Nilesh Dodani

Designation: Assistant Professor

Department: Biomedical Engineering

Date of Joining the Institution: 4.7.2013

Qualifications with Class / Grade:

1. **M.Tech.(Instrumentation and Control), College of Engineering Pune, Pune University.** June 2012. CGPA-7.75

2. **B.E. (Biomedical Engg.)**, June 2010, (80.00%), **University of Mumbai.**

Total Experience in Years:

Teaching: **8 Years**

1. Assistant Professor, D.J. Sanghvi College of Engineering from 4.7.2013 till date.

2. Assistant Professor (Adhoc), D.J. Sanghvi College of Engineering from 2.7.2012 to 30.6.2013.

Papers Published:

 National:

1. *Article* :A review of different method of Watermarking for medical Images Authentication, *Volume 7,Issue XI, November 2019 in International Journal for research in applied science & engineering technology*

2. Samiksha Save, Antara Dandekar and Shruti Savant. Article: Review on Image Analysis of Retinal Blood Vessel Images for Diagnosis of Diabetic Retinopathy. *IJCA Proceedings on International Conference on Computer Technology* ICCT 2015(2):28-30, September 2015.

3. Vikas Yadav, Deepa Makhija, Shruti Savant, Nilesh Dodani and Dhananjay K Theckedath. Article: Driver Drowsiness Detection System. *IJCA Proceedings on International Conference on Intuitive Systems and Solutions 2012* ICISS(1):11-13, August 2012

Papers Presented in Conferences:

 National:

1. Shreya Devkar, Aarambhi Marathe , Simran Pawaskar,Shruti N Dodani presented technical paper : "Tongue Diagnosis using Image Processing" in International Conference "Soft Computing and Signal Processing" ,August 21-22,2020.
2. Vikas Yadav, Deepa Makhija, Shruti Savant, Nilesh Dodani and Dhananjay K Theckedath. Article: Driver Drowsiness Detection System. *IJCA Proceedings on International Conference on Intuitive Systems and Solutions 2012* ICISS(1):11-13, August 2012

Projects at Bachelors level: 5

Workshops/STTP/FDP/Conferences:

1. Statistics with Python , 3 course specialization, University of Michigan, October 20,2020

2. Fitting Statistical Models to Data with Python(4 Week), University of Michigan,October 20,2020
3. Coursera, Inferential Statistical Analysis with Python, (4 Week), University of Michigan , Sep 18,2020
4. FDP on Intellectual Property Rights on 24th Aug 2020, organised by TCS using Digital Platform

5. Online course on Satellite Photogrammetry & its Application , conducted by Indian Institute of Remote Sensing(IIRS) during 29-06-2020 to 03-07-2020

6. Coursera, Exploratory Data Analysis with Seaborn, Coursera Project Network,Rhyme, 25th Aug 2020
7. Coursera, Understanding and Visualizing Data with Python(4 Weeks),University of Michigan,25th Aug 2020
8. Coursera, Data Visualization with Python, Coursera Project Network, 24th Aug 2020
9. Coursera, Image Processing with Python, Coursera Project Network, 24th Aug 2020

10. Coursera,Data Science Math Skills(4 weeks), Duke University,completed on August 02, 2020
11. Successful research Papers: Concept to Submission,28th July 2020 organized by knimbus
12. IBM, ML by Mr Chirag Tank, from 22nd July to 25th July 2020
13. Coursera,Basic Statistics, (8 weeks)course ,University of Amsterdam,Completed on July 13, 2020

14. Coursera, Learning to Teach Online ,UNSW,(5 weeks) Sydney , 6th July 2020

15. Coursera , Assessment in Higher Education :Professional Development for Teachers (5 weeks) ,Errasmus University Rotterdam, 5th July 2020

16. One week AICTE-ISTE approved Short Term Training Programme (STTP) on "Outcome Based Education (OBE) & NBA" scheduled from 29th June,2020 to 3rd July , 2020.
17. IBM, Applied Statistics , 28th June 2020 to 2nd July 2020
18. Coursera, A Crash Course in Data Science(1 week) , John Hopkins University, 25th June 2020
19. Coursera , AI for everyone (4 weeks) , deeplearning.ai , 22nd June 2020
20. One week FDP on "Improving Teaching Learning Experience using Best Practices " from 15th June to 19th June 2020,organized by IT, DJSCOE
21. Coursera,Computer Vision-Image Basics with OpenCV and Python, Coursera Project Network, 15th June 2020
22. Coursera, Facial Expression Recognition with Keras , Coursera Project Network, 10th June 2020
23. Coursera, Logistic Regression with NumPy and Python , Coursera Project Network, 9th June 2020
24. One week FDP on "Scilab" organized under Spoken Tutorial Project, IIT B, from 26th May to 30th May 2020, organized by EXTC, DJSCOE
25. Coursera, Python Functions, Files and Dictionaries (4 weeks) University of Michigan , 26th May 2020
26. Coursera, Basic Image Classification with TensorFlow , Rhyme , 19th May 2020
27. Coursera, Image Data Augmentation with Keras , Rhyme , 18th May 2020
28. Coursera, Image Compression with K-Means Clustering , Rhyme , 14th May 2020
29. Coursera, Python Basics(4 weeks) University of Michigan , 13th May 2020
30. Faculty Development Programme on Python 3.4.3 conducted in association with Spoken tutorial ,IIT B. Successfully completed Python 3.4.3 test, Dates: 3rd May to 7th May 2020

31. Passed NPTEL ,online certification, 4 week course "Effective Engineering Teaching in Practice" with score 82% (Jan-Feb 2020)
32. Passed NPTEL ,online certification, 4 week course "Python for Data Science" with score 97% (Jan-Feb 2020)
33. AICTE-ISTE approved Induction/refresher programme "Adaptive Signal Processing The Road Map to Machine Learning",7th Jan 2020 to 11th Jan 2020
34. Attented AICTE Sponsored STTP on 'Medical Image Processing and Ímage Analysis' at VIT,Pune from 2nd Dec to 7th Dec 2019
35. IBM 18th November, 2019 – 20th November, 2019 (Python programing).
36. IBM 22nd November, 2019 – 24th November, 2019 – Intro to AIML
37. Secured elite score 85% in 12 week NPTEL course on 'Joy of Computing using Python ' from July to Nov 2019
38. Attented FDP on 'Active teaching learning strategies using innovative technology 'at D J Sanghvi College of Engg from 25th Feb to 26th Feb 2019

39. Attended STTP on "Machine Learning & Deep Learning "at D.J.Sanghvi College of Engg. from 2nd July to 6th July 2018

40. Attended AICTE Sponsored STTP on "Image Processing and Computer Vision "at College of Engineering Pune from 12th to 16th December 2016

41. Attended Faculty development program 'Theory and Applications of Signals and Systems' at NIT Bhopal from 18th to 23rd March 2016

42. Attended International conference on communication technology (ICCT 2015) on 25th and 26th September 2015

43. Attended International Conference on Intuitive Systems and Solutions (ICISS 2012) on 21st April 2012

Awards:

1. Third best paper award at IEEE AMPHE 2020 conference organized by ADMAS University, Kolkata on 25th -26th September 2020, research paper entitled "Arterial blood PH monitoring using a fingertip device to predict cardiovascular as well as respiratory diseases"
2. Received TEQIP Scholarship for Academic Year 2010-2011(M.Tech.)
3. Received JRD Tata scholarship for Academic Year 2008-2009 (B.E.)
4. Merit holder(15th Rank) S.S.C. Mumbai Board (March'04)