

## SUSHMA NAGDEOTE – Curriculum Vitae



NAME : Sushma Nagdeote  
DESIGNATION : Assistant Professor  
QUALIFICATION : ME (Electronics), PhD (Pursuing)  
EMAIL : sushman@fragnel.edu.in  
AREAS OF INTEREST: Image Processing, Communication Engineering, Control Systems, Network Analysis. Signal Processing, Machine Learning, AI

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### **PROFESSIONAL BACKGROUND:**

1 <sup>st</sup> April 2004 - 30 <sup>th</sup> June 2004	VCET	Teaching Assistant
5 <sup>th</sup> July, 2004 - 5 <sup>th</sup> July, 2005	VCET	Lecturer
5 <sup>th</sup> July, 2005 - Till date	Fr. CRCE	Assistant Professor

### **EDUCATIONAL DETAILS :**

B.E. (Electronics)	Nagpur University/ BDCOE	1996-2000
ME(Electronics)	Mumbai University/ Fr. C.R.C.E.	2009-2011
PhD (Electronics)	Mumbai University/ Fr. C.R.C.E.	Pursuing

### **ADMINISTRATIVE BACKGROUND :**

- Member of Women Development Cell
- IEEE-WIE CRCE Branch Counselor

### **PUBLICATIONS:**

1. Sushma Nagdeote, Jagruti Save, “A wrapper based approach for medical imaging” paper presented and published in the proceedings of international conference held at YCCE , Nagpur, 2011.
2. Sushma Nagdeote, “Detection of Lung Nodule Using Image Processing Techniques”,

3. Nagdeote, S., Chiwande, S. (2020). Parametric and Nonparametric Classification for Minimizing Misclassification Errors. In: Shukla, R., Agrawal, J., Sharma, S., Chaudhari, N., Shukla, K. (eds) Social Networking and Computational Intelligence. Lecture Notes in Networks and Systems, vol 100. Springer, Singapore. [https://doi.org/10.1007/978-981-15-2071-6\\_35](https://doi.org/10.1007/978-981-15-2071-6_35)
4. S. Chennattu, A. Kelkar, A. Anthony and S. Nagdeote, "Portable Biometric Attendance System Using IOT," 2019 4th International Conference on Information Systems and Computer Networks (ISCON), 2019, pp. 245-249, doi: 10.1109/ISCON47742.2019.9036275.
5. N. Jaymon, S. Nagdeote, A. Yadav and R. Rodrigues, "Real Time Emotion Detection Using Deep Learning," 2021 International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT), 2021, pp. 1-7, doi: 10.1109/ICAECT49130.2021.9392584.
6. Nagdeote S. and Prabhu S., "Hybrid UNet Architecture based on Residual Learning of Fundus Images for Retinal Vessel Segmentation", in IOP: Journal of Physics, 2021, vol. 2070, doi:10.1088/1742-6596/2070/1/012104.
7. Chiwande, S.S., Bagade, A., Deshmukh, S., Nagdeote, S. (2022). Detection of Stress with Deep Learning and Health Parameters Monitoring Using Raspberry Pi. In: Mallick, P.K., Bhoi, A.K., González-Briones, A., Pattnaik, P.K. (eds) Electronic Systems and Intelligent Computing. Lecture Notes in Electrical Engineering, vol 860. Springer, Singapore. [https://doi.org/10.1007/978-981-16-9488-2\\_25](https://doi.org/10.1007/978-981-16-9488-2_25)
8. Sushma Nagdeote, Heenakauser Pendhari, Omkar Shirsat, Raj Lad, Sujata Chiwande, "Esports Analysis with Data Science", AIP Conference Proceeding, 2022, 24<sup>th</sup> -25<sup>th</sup> March 2022 (Production in Process)
9. Best Paper Award for Technical Paper "Esports Analysis with Data Science" presented in iCATCHCOME 2022.
10. Pendhari, Heenakauser and Nagdeote, Sushma and Rathod, Sandeep and Khan, Lubna and Vishwakarma, Saurabh, Compound Emotions: A Mixed emotion detection (May 26, 2022). SSRN: <https://ssrn.com/abstract=4120265> or <http://dx.doi.org/10.2139/ssrn.4120265>

## **TRAINING PROGRAMS CONDUCTED :**

1. Co-ordinator of One week ISTE approved STTP on the topic ‘Accreditation & Quality Assurance: Outcome Based Quality Education’ November 17-21, 2014.
2. Co-ordinator of One Week Faculty Development Program on “Advances in Internet of Things”, Organized by Department of Electronics and computer science at Fr. Conceicao Rodrigues College of Engineering, Agnel Ashram, Bandra(W), from 29th May to 2nd June 2019.
3. Co-ordinator for Two days in Two Week Indian Society for Technical Education (ISTE) approved FDP on Research Areas in Technologies for Rural and Societal Development, Organized by Fr. CRCE, Department of Electronics and Computer Science, 21 Dec 2020 - 1st Jan 2021

## **PARTICIPATION IN TRAINING PROGRAM :**

1. ISTE approved workshop on ‘Robotics and its Application’ at Fr. C.R.C.E., Bandra May 26-30, 2008
2. A 2 day seminar on ‘Advanced Wireless Technologies’ at Fr. C.R.C.E., Bandra ", September 22-23, 2009
3. ISTE approved workshop on ‘PIC Controllers and Arm Processor’ at PVPPCOE January 18-22, 2010
4. ISTE approved workshop on ‘Upcoming Trends in Biomedical Engineering’ at WIEECT, July 4-15, 2011
5. ISTE approved workshop on ‘Mission 10X’ at Fr.C.R.C.E., Bandra ", August 1-5, 2011
6. ISTE approved workshop on “Power Electronics Applications” at Fr. C.R.I.T., Vashi , April 16-20, 2012
7. ISTE workshop on ‘Simulation: Concept to Practice’ at Fr. C.R.C.E., 14th - 25th May, 2012
8. Two Day Zonal workshop on ‘Sexual Harrasment of women at workplace (Prevention, Prohibition and Redressal) ACT, 2013 and Related Issues’ organized by WDC, University of Mumbai and K.P.B. Hinduja College of Commerce, Charni Road, September 7-8, 2015

9. Seminar on 'Designing and Implementing Signal Processing, Computer Vision and Communication Systems using MATLAB and Simulink' organized by DesignTech Systems Ltd. In association with Fr. C. Rodrigues Institute of Technology, 12th April 2016.
10. Workshop on 'Research opportunities in speech and language processing' organized Xavier Institute of Engineering, Department of Electronics and Telecommunication Engineering, 9-13 January, 2017
11. Workshop on 'Hands on Training on Python coding and Remote Lab Learning', organized by Fr. C.R.C.E., on 10<sup>th</sup> & 11<sup>th</sup> February, 2017
12. Industrial Automation: Hands ON, KJSCOE, Vidyavihar, 04th 8th June, 2018
13. AICTE-ISTE Approved STTP on "Hands on Cross Platform Mobile Application Development and IOT" Fr. CRIT, Vashi, 07th – 11th May, 2018
14. A seminar on "Godas an Engineer" on Feb. 22<sup>nd</sup>, 2019 by Prof. Aleksandar Zecevic from Electrical Engineering Department, Santa Clara University, CA, USA organized by Xavier Institute of Technology, Mahim.
15. ISTE approved one week STTP on "Artificial Intelligence, Machine and Deep Learning: Hands On" Organized by department of computer engineering and Department of Information Technology from 24<sup>th</sup> June to 29<sup>th</sup> June, 2019.
16. Indian Society for Technical Education (ISTE) approved One Week Short Term Training Program on "Python Basics, Machine Learning and Blockchain", Organised by Computer Engineering Department of K J Somaiya Institute of Engineering and Information Technology, Mumbai. 8th to 13th June 2020
17. One week National Level Faculty Development Programme "CREATING TECH-SAVVY TEACHERS FOR FUTURE CLASSROOMS", Organized by Internal Quality Assurance Cell of St. Teresa's Institute of Education, Santa Cruz (West), Mumbai, India in collaboration with EdFly Learn ~ Learning Management Solutions. 6th to 10th June, 2020.
18. National Level Workshop on "Deep Learning" conducted by Department of CSE, FET, Jain Deemed to be University, Bangalore held on 6th June 2020. In association with CSI
19. National level Webinar on "Machine Learning" organised by Sasmira's Institute of Commerce & Science in Association with Squad Infotech Pvt.Ltd on 6th & 7th June 2020.
20. FDP on "Enhancing Research Work of Ph.D. Aspirants through Systematic Approach" from 8th June, 2020 to 10th June, 2020. LO KMANYA TILAK COLLEGE OF

ENGINEERING Sector - 4, Vikas Nagar, Koparkhairane, Navi Mumbai – 400709  
DEPARTMENT OF MECHANICAL ENGINEERING in association with INDIAN  
INSTITUTE OF INDUSTRIAL ENGINEERING NHQ CBD Belapur, Navi Mumbai

21. Seminar on “Scope and Opportunities in ASIC Verification” organized by Department of Electronics and Computer Science on 7th June, 2020

22. Faculty Orientation Program on Digital Logic and Computer Organization and Architecture organized by Datta Meghe College of Engineering, Department of Computer Engineering on behalf of University of Mumbai conducted on 15/07/2020

23. Two Week Indian Society for Technical Education (ISTE) approved FDP on Research Areas in Technologies for Rural and Societal Development, Organized by Fr. CRCE, Department of Electronics and Computer Science, 21 Dec 2020 - 1st Jan 2021

24. One Week Instructor Led Live online “ Hands-on Training on Deep Learning Using Medical Data”, Organized by Finland Labs (Unit of Revert Technology Pvt. Ltd.), 08- 12 February 2021

25. National Level one week Faculty Development Program “Multi-Technology”, In association by Brainovision solutions(Ind) Pvt. Ltd. And National Youth council of India, Nishitha Degree College, Nizamabad, 28 June, 2021 – 3 rd July 2021

26. National Level Three Days Faculty Knowledge Sharing Programme on “Data Analytics Essentials” from 8 th July to 10th July 2021 organised by Internal Quality Assurance Cell (IQAC), Nishitha Degree College, Nizamabad, Telangana in collaboration with IBS, ICAFI Business School, Hyderabad

27. Two Weeks Hands-on Online Workshop Series on MATLAB for Engineering & Science. The workshop module code “EXEWEE03: Signal & Image Processing using MATLAB”. 03 - 17, July 2021, Organized jointly by the ELIXIR Educational Services, Chhattisgarh and The PRIME ACADEMY, Tamil Nadu, India.

28. Mentoring for Students' Success - Talk for ECS Faculty by Dr. Saurabh Mehta, Sat Aug 28, 2021

29. Online session on “LEAP-Lead Entrepreneur Acceleration Program-An introductory talk to cultivate entrepreneurship culture” , on 18<sup>th</sup> September,2021. By Technoceutics India Pvt. Ltd., Dept. of EE, IIT Bombay

30. AICTE-ISTE Approved Orientation/Refresher Programme on “Future Trends in Biomedical Engineering”, Organized by NMIMS, 08/12/2021 to 14/12/2021

31. AICTE-ISTE Approved Orientation/Refresher Programme on “Deep Learning and its Application”, Organized by K. J. Somaiya Institute of Engineering and Information Technology, Sion. 13/12/2021 to 18/12/2021

32. Two Weeks Training On Machine Learning Using Python, Conducted By Apptronix Technologies – Noida, 21st Feb 2022 To 05th Mar 2022

**PROFESSIONAL AFFILIATIONS**

: ISTE Life Member (LM 57637)

IEEE & WIE Membership-95441094

A handwritten signature in black ink, appearing to read 'S. Jagdekar', is written over a horizontal line.