Curriculum Vitae

Name: Dr.Ganesh Shahubha Sable

Address: RH-03, Jay Regency, Safly Nagar, Harsool

Parisar Aurangabad-431003

E-mail: ganesh.sable@mit.asia,sable.eesa@gmail.com

Mobile: 9049009371

Date of Birth: 17th Nov 1978

Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	%/CGPA	Class
Ph.D.	Medical Imaging	NILIT	Dr.BAMU Aurangabad	2013	--	
M.E./ M. Tech.	Electronics Engineering	JNEC	Dr.BAMU Aurangabad	2005	70.00	First Division
B.E./B.Tech.	Electronics Engineering	JNEC	Dr.BAMU Aurangabad	2000	69.50	Destination

M. Tech. Project: Embedded based Glass breakage detector using digital Filter

Ph. D. Research: "Adaptive Iterative Transformation Based Super Resolution Reconstruction of Medical Image Sequences".

Key Research Areas:

- Medical Imaging
- Human Machine Interaction,
- Data Sciences,
- Pattern Recognition,
- Computer Vision,
- Embedded Systems,
- Internet of Things and Industry 4.0

Sr. No.	Organization	Post	From To	No. of Years
01	Maharashtra Institute of Technology	Professor	24/06/2014 to till date	5.7 Years
02	Lokvikas Educational Charitable Trust's, Savitribai Phule Women's Engineering College	Professor and Principal	22 June 2013 to 24 June 2014.	1 year
03	Lokvikas Educational Charitable Trust's, Savitribai Phule Women's Engineering College	Associate Professor & Head	15 July 2009 to 21 June 2013	4 Year

List of Courses Taught/Teaching at UG level

- Embedded System
- Digital Image Processing
- Microprocessors, Peripherals and Programming
- Advance Processor
- Data Science
- Microprocessors and Microcontrollers

List of Courses Taught/Teaching at PG level

- Embedded System
- Digital Image Processing
- Audio Speech Processing and Coding
- Advance Digital Signal Processing

Additional Assignments/Duties

- Working as an Internal Quality Assurance Cell (IQAC) Coordinator
- Working as a Steering Committee Member for Accreditation
- Working as a Ph.D. Co-ordinator for Electronics Engineering Research Center
- Working as a member of Research Committee.
- Working as a Coordinator for academic and administrative committee.
- Working as a member of curriculum development committee.

- Worked as a CAS Director /Asstt. Director/Officer for Dr. B.A.M.U. Engineering Examinations.
- Worked as a Co-coordinator to Pre –PhD course work (Electrical/Instrumentation/Electronic/Computer science and Engineering) during May/June2016 at Dr.Babasaheb Ambedkar Marathwadha University, Aurangabad for the year 2011-2016.
- Worked as vigilance Squad Chairman/ Member for Dr. Babasaheb Ambedkar Marathwadha University, Aurangabad
- Worked as Local Inception Committee Chairman/ Member for Dr. Babasaheb Ambedkar Marathwadha University, Aurangabad.

Statutory Committees

- Member of Board of Studies Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (Electronics & Telecommunication
- Member of Faculty of Science and Technology Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
- Former Member of 32(6) a Malpractice committee, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

Membership of Professional Bodies

ISTE (LM75921), IACSIT (80343961), IAENG (182273), IEEE

Computer/Software Proficiency

- MATLAB (Mathematical programming language and optimization)

Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference Attended

- Attended one day workshop on Examination reforms at College of Engineering Pune, on 1stFebruary, 2019
- Attended a two days AICTE sponsored FDP on "Indian Patent Drafting and Filing Procedure" at Department of Computer Engineering of Dr. D Y Patil School of Engineering and Technology, Pune on 8th and 9th November, 2017.
- Attended CII conference on Manufacturing Excellence held on 24th February 2017 at Taj Vivanta, Aurangabad.
- Attended a Second phase of two days training on Gurukul for Gurus "Emotional Intelligence" from 4thFeb, 2015 to 5th Feb, 2015 at MIT, Aurangabad.

- Attended a first phase of two days training on Gurukul for Gurus "Emotional Intelligence" from 17thOct, 2014 to 18th Oct, 2014 at MIT, Aurangabad.
- Attended a Second phase of two days training on Gurukul for Gurus "Emotional Intelligence" from 4thFeb, 2015 to 5th Feb, 2015 at MIT, Aurangabad.
- Attended a first phase of two days training on Gurukul for Gurus "Emotional Intelligence" from 17thOct, 2014 to 18th Oct, 2014 at MIT, Aurangabad.

Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference organized

- Worked as a Convener for Faculty Development Programme (FDP) in "Data Sciences" jointly organized with Shivaji University, Kolhapur from 24th June 2019 to 29th June 2019 at MIT, Aurangabad

- Worked as a Co-convener for a Two Days Workshop on "Intellectual Property Rights and Opportunities for funded research" at Maharashtra Institute of Technology, Aurangabad (MS) from 5th to 6th January, 2018

- Exhibited at a two days "Technology Meet 2016" at Marathwada Auto Cluster, Aurangabad from 16th Nov, 2016 to 17th Nov, 2016

- Worked as a Convener for IETE and TECHLABS Pune Sponsored one week short term training programme on "LabView:Modern Tools and Techniques in Engineering Education" in association with PICT-NI LabView Academy, Pune and at Maharashtra Institute of Technology, Aurangabad (MS) from 4th June, 2018 to 9th June, 2018.

- Worked as a Convener for one week faculty development programme on "Outcome based education and NBA Process" at Maharashtra Institute of Technology, Aurangabad (MS) from 9th July, 2018 to 14th July, 2018.

- Convenor of Two days International Conference on "Digital Signal and Image Processing"ICoDSIP-2017 technically Sponsored by IETE and Dr.BA.M.University Aurangabad at Maharashtra Institute of Technology, Aurangabad during 7th & 8th March 2017.

- Convenor of IETE sponsored one week STTP on "Implementation of IoT using Raspberry Pi and Arduino" in association with Pantech ProEd Pune and Maven Technology Aurangabad at Maharashtra Institute of Technology, Aurangabad during 27th June to 2nd July 2017.

- Convenor of two days National Level Workshop on "Research Methodology" technically Sponsored by IETE and Dr.BA.M.University Aurangabad at Maharashtra Institute of Technology, Aurangabad during 13th & 14th March 2015.

- Organised four days National Level Workshop on "Matlab, Simulink and low cost design using signal and image processing toolbox" at Maharashtra Institute of Technology, Aurangabad during 16th- 19th December 2015.

- Worked as an Auditor for NAAC audit conducted at CSMSS, Chh. Shahu College of Engineering, Aurangabad from 23rd and 24thDecember, 2019. Publicity committee Member and Secession Chair of Pre Science Congress-14 conference on Science and Technology for Human Development, held at Dr. B.A.M. University, Aurangabad. 30-31 Dec 2014.

- Served as a Technical committee member and Session chair in IEEE International conference on Advances in communication and computing Technology knowledge (ICACCT-2018), Organised by department of Electronics and Telecommunication AVCOE, Sangamner on 8th-9th February 2018.

- Served as a Session chair in 4th IEEE International Conference on Advances in Computing and Communication Engineering ICACCE 2018, Paris, France.This conference was organized by IEEE France section in association with ECE Paris Ecole d'Ingénieurs | ECE Paris School of Engineering.

Invited talks delivered

- Delivered an Expert talk on "Choice Based Credit and Grading System" at Chhtrapati Shahu Maharaj College of Engineering, Aurangabad on 5thJan, 2017.

- Delivered three lectures to the participants during Pre-PhD Course work for Engineering Faculty May/June 2016, at Department of computer science and IT, Dr.B.A.M.University Aurangabad

- Delivered expert lecture on Microprocessor & Microcontroller (Embedded system) at Department of Electronics, MGM Polytechnic, Aurangabad on 22 June 2016.

- Worked as a Resource Person for C-DAC Student at CEDTI, Aurangabad.

- Delivered expert lecture on Digital Image Processing at Amrut Vahani College of Engineering, Sangamner..

- Delivered expert lecture on Signal and System at Department of Electronics, Shreyess College of Engineering, Aurangabad.

- Delivered expert lecture on Microprocessor & Microcontroller at Department of Electronics and Telecommunication, HIT College of Engineering, Aurangabad.

- Delivered expert lecture on Role of Digital Image Processing in Medical Imaging at Department of Electronics and Telecommunication, Amurutvahni College of Engineering, Sangamner.

Projects, Research Grants and Consultancy

- Detection of Lung nodules from chest CT scan images using ResNet deep learning model", Call for Pre-Proposals on Artificial Intelligence Applications for Affordable and Accessible Healthcare – Big Data and Genomics, may-2019, Biotecnika info Labs Pvt Ltd, Bangalore, India.(Submitted)

- Quality enhancement of conventional analog film based dental radiographs for dental disease diagnosis Call for Pre-Proposals on Artificial Intelligence Applications for Affordable and Accessible Healthcare – Big Data and Genomics, may-2019, Biotecnika info Labs Pvt Ltd, Bangalore, India.(Submitted)

Intellectual Property Rights

Government of India 03

- Published Application No.201721019929(TEMP/E-1/20172/2017-MUM) 201821029452A
- Published Application No TEMP/E-1/32102/2018-MUM Publication date 24/08/2018
- Filed Application No. : (20172101052)

List of Research Publications

Papers in National/ International Journal

- Toksha B. G., Kulkarni, T. P., Lomte, S. V., Ambad, P. M. Sable, G. S., Kulkarni, K. B. and Bhosle S. P.,2019, "Training through Blended Mode in ICT for Effective Teaching Learning Process", Chronicle of Humanities and Cultural Studies, Vo. 5, Issue. 1, pp. 119-121

- Vinodpuri Rampuri Gosavi, Dr. Anil. K. Deshmane, Dr. Ganesh S. Sable, "An Efficient Learning and Classification approach using PCA, LDA and RBF Neural Structure" published in KAAV International Journal of Science ,Engineering & Technology (KIJSET) ,Vol.5, No.4, pp.23-30 , DEC 2018, ISSN: 2348-5477.

- Vinodpuri Rampuri Gosavi, Dr. Anil K. Deshmane, Dr. Ganesh S. Sable " A Robust Approach for Facial Recognition using AN Fuzzy Inference Systems" published in Recent Advances in Electrical & Electronics Engineering by Bentham Science Publisher, UK..

- Mrs. Minakshi R. Rajput, "Iris feature extraction and recognition based on different transforms, International Journal of Advances in Science, Engineering and Technology (IJASEAT), ISSN: 2321-9009, Vol.1, Issue 1, pp. 37-41, July 2013.

- Dr. G. S. Sable, Ms. M. R. Rajput, and Mr. H. R. Gite, "Analogy between Statistical and CHT Segmentation for Human Iris," International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249-8958,Vol.X, Issue X, pp.1-5, March 2017.

- G. S. Sable, M. R. Rajput, "Radon and Multi-wavelet based compact feature vector generation for gender identification from iris", Advances in Intelligent Systems and Computing (AISC Springer), in press.

- Dr. G. S. Sable, Ms. M. R. Rajput, "Age Group Estimation from Human Iris", Advances in Intelligent Systems and Computing System, (AISC Springer), in press.

- Mahender G. Nakrani, Ganesh S. Sable, Ulhas B. Shinde, "A Review Automatic and Semi Automatic Detection of Pulmonary Lung Nodules in Computed Tomography Images", International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-6, March 2017 (UGC Care List Group II Scopus Indexed).

- Mahender G. Nakrani, Ganesh S. Sable, Ulhas B. Shinde, "A Comprehensive Reviewon Deep Learning Based Lung Nodule Detection in Computed Tomography Images".Advances in Intelligent systems and computing ISSN: 2194-5357 (Accepted) (UGC Care List Group II Scopus Indexed).

- Mahender G. Nakrani, Ganesh S. Sable, Ulhas B. Shinde, "ResNet based LungNodules detection from Computed Tomography Images", International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume- 9, Issue-4, February 2020 (UGC Care List Group II Scopus Indexed).

- A.N. Shaikh, G.S. Sable, Huma Mohd. S., "Conventional to 3D Digital Radiography: An Essential Element to Diagnose Dental Abnormalities", International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Volume-6, Issue- pp.111-114, ICDSIP, March 2017.

- Supriya S Patki,G.S.Sable " Cotton Leaf Disease Detection and classification using multi SVM", Published in Int. Journal of advanced research in computer communication engineering (IJARCCE), Volume 5, Issue 10, October 2016, ISSN(O): 2278 –1021, ISSN(P) : 2319 –5940.

Books/ Book Chapter

02 Books

- A book of "Microprocessor and Computer Architecture". For Second Year Computer Science and Engineering, Technology Students Renuka Prakashan, Aurangabad.
- "Digital signal and image processing"ICoDSIP-2017, ISBN: 978-81-931558-9-9, Publish2017.

05 Book Chapters

- Radon and Multi-wavelet based compact feature vector generation for gender identification from iris, Advanced Intelligent Computing Systems, Computing in engineering and technology, Springer, ISBN 978-981-329-515-5, pp29-43.
- Learning Based Gender and Age Estimation from Human Iris Elsevier SSRN digital library.
- Age Group Estimation from Human Iris, Advanced Intelligent Computing Systems,(AISC) ISBN 978-981-329-515-5, pp29-43.
- Detection of lung nodules in computed tomography image using deep machine learning: A Review Elsevier SSRN digital library
- "Deep Learning based Lung Nodules detection from Computer Tomography Images", Springer book series Communications in Computer and Information Science ISSN: 1865-0929

Papers in National /International Conference Proceedings

- Vinodpuri Rampuri Gosavi, Dr. Anil K. Deshmane, Dr. G. S. Sable, presented and awarded Best paper titled " CRC_KNN Based Approach for face Recognition " in International Conference on Communication and Advanced Computing -2018 (ICOCAC-2018) organized by K G Reddy College of Engineering & Technology, Moinabad, Hydrabad during 20th & 21st December 2018.
- Vinodpuri Rampuri Gosavi, Dr. Anil K. Deshmane, Dr. G. S. Sable, attended & presented paper titled "An Efficient Learning and Classification approach using PCA, LDA and RBF Neural Structure" in 2nd International Conference on Innovative Research on Science, Technology & Management (ICIRSTM 2018) organized by National University of Singapore, U Town(NUS) Singapore during 29 & 30 September 2018
- Vinodpuri Rampuri Gosavi, Dr. Anil K. Deshmane , Dr. G. S. Sable, attended & presented paper titled "An Efficient Feature Level Extractions for Facial Recognition:

A Comprehensive Review "in 4th IEEE 2018 International Conference on Advances in Computing and Communication Engineering (ICACCE) ,organized by IEEE France Section at ECE School of Engineering , Paris, France during 22 & 23 Jun 2018.

- M R Rajput, G S Sable, "IRIS Biometrics Survey 2010-2015", In proceedings of the IEEE International Conference on Recent Trends In Electronics Information Communication Technology (RTEICT 2016),Bengaluru, India, pp. 2086-2091, May 20-21, 2016.

- Dr. G. S. Sable, Ms. M. R. Rajput, and Mr. H. R. Gite, "Analogy between Statistical and CHT Segmentation for Human Iris," In proceedings of the 2nd International Conference on Soft Computing and Signal Processing, (ICoDSIP2017), Maharashtra Institute of Technology, Aurangabad, Maharashtra, India, pp.1-5, March 7-8,2017.

- Dr. G. S. Sable, Ms. M. R. Rajput, and Mr. H. R. Gite, "Iris biometric technique for person authentication based on fusion of radon and 2D multi wavelet transform.", In proceedings of the IEEE International Conference on Advances in Communication and Computing Technology (ICACCT 2018), Amrutvahini College of Engineering, Sangamner, Ahmednagar, India, pp. 410-414, February 2018.

- G. S. Sable, M. R. Rajput, "Radon and Multi-wavelet based compact feature vector generation for gender identification from iris", In proceedings of the 4th International Conference on Computing in Engineering and Technology (ICCET 2019), Dr. B.A.T.U. Lonere and DIEMS (Department of Electronics and Telecommunication), Aurangabad, Maharashtra, India, January 10-11, 2019.

- Mahender G. Nakrani, Ganesh S. Sable, Ulhas B. Shinde, "A Review Automatic and Semi Automatic Detection of Pulmonary Lung Nodules in Computed Tomography Images", International Conference on Digital Signal & ImagProcessing(ICoDSIP-2017), March 07-08, 2017, MIT, Aurangabad, INDIA

- Minakshi R. Rajput, Ganesh. S. Sable, "Deep Learning Based Gender and Age Estimation from Human Iris"presented in Elsevier sponsored International Conference on Advances in Electronics, Electrical and Computational Intelligence (ICAEEC 2019), IIIT Allahabad, Maharashtra, India, 31 May-1 June 2019.

- Dr. G. S. Sable, Ms. M. R. Rajput, "Age Group Estimation from Human Iris" In proceedings of SCI Second International Conference on Soft Computing and Signal Processing (ICSCSP 2019), Hyderabad, India, June 21-22, 2019.

- Mahender G. Nakrani, Ganesh S. Sable, Ulhas B. Shinde, "Detection of Lung Nodules in Computed Tomography image using Deep Machine Learning: A review", International Conference on Communication and Information Processing (ICCIP-

2019), May 17-18, 2019, NCER, Pune, INDIA

- Mahender G. Nakrani, Ganesh S. Sable, Ulhas B. Shinde, "A Comprehensive Review on Deep Learning Based Lung Nodule Detection in Computed Tomography Images", Second International Conference on Soft Computing and Signal Processing (ICSCSP-2019), June 21-22, 2019, MRCET, Hyderabad, INDIA
- Mahender G. Nakrani, Ganesh S. Sable, Ulhas B. Shinde, "Deep Learning based Lung Nodules detection from Computer Tomography Images", The 3rd International Conference on Recent Trends in Image Processing & Pattern Recognition (RTIP2R-2020), January 02-03, 2020, DBAMU, Aurangabad, Maharashtra, India

Product Development

- Developed 'Biometric Database' of size 8022 images with some specific standards.
- Developed 'Leaf Database' for crop and herbal plants with some specific standards.
- Develop 'algorithm and Database' for Medical Imaging well as for medical diagnostic purpose
- Develop a Industrial Product for Automatic inspection system of clutch plate for Sanagram auto component, Aurangabad.

Awards, Achievements and Recognition

- Best Academician Award, by ESN Research Group of Publication, Chennai, India.
- Best Teacher Award at Hi-Tech Institute of Technology, Aurangabad for academic year 2007.
- Best Paper award for the entitled "Teeth Feature Extraction and Matching for Human Identification Using SIFT Algorithm", Pre Science Congress Conference on Science and Technology for Human Development, held at Dr.B.A.M.University Aurangabad, December 30-31,
- Best Paper award for the entitled "Feature Extraction of Dental Radiographic Images for Disease Identification and classification using ANN", International Conference on "Digital Signal and Image Processing", ICoDSIP-2017 technically Sponsored by IETE and Dr.B.A.M.University Aurangabad at Maharashtra Institute of Technology, Aurangabad during 7th & 8th March 2017
- Received appreciation letter from Dr.B.A.M.University for assessment made within the stipulated time from the concerned examiner
- Excellent Paper Award, IEEE International Conference on Advances in Computing and Communication Engineering ICACCE 2018, Paris, France, June 2018.
- Member of various National and International professional bodies & associations
- Member of various International Journals, Conferences as a Reviewer, Editor, Session Chair, Co-chair and Technical Committee Member

Reviewer/Editor

Editorial Board

- Member Editorial Board of IEEE international Conference on Advanced Computation & Telecommunication organised by Department of CSE & ECE, LNCT Group of Colleges, Bhopal (MP), India.
- Member, Editorial Board of International Journal of Innovative Research in Sciences, Engineering and Technology ISSN: 2319-8753.
- Member, Editorial Board International Journal of Advance Scientific Research and Engineering Trends ISSN:2456-0774
- Member, Editorial Board International Journal of soft computing and Engineering ISSN:2231-2307

Reviewer

- Reviewer Committee member of International Conference on Intelligent systems and information management (ICISIM-2017) on 5th & 6th October, 2017 held at J.N.E.C.Auragabad.
- Reviewer Committee member of 2nd International Conference on Cognitive Knowledge Engineering (ICKE-2016), scheduled on 21st -23rd December, 2016 at Aurangabad, Maharashtra, India.
- Reviewer Committee member of International Conference on Micro-Electronics and Telecommunication Engineering (ICMETE-2016) on 22nd & 23rd September, 2016 technically sponsored by IEEE EDS.
- Reviewer Committee member of 1st IEEE Global Conference on Wireless Computing and Networking (GCWCN-2014), December 22-24, 2014
- Reviewer Committee member of Int. Journal of Emerging Technology and Advanced Engineering, IJETAE, and ISSN: 2250-2459.
- Reviewer Committee member of Int. Journal of Engineering Emerging and Innovative Technology, IJEIT, and ISO9001:2008Certified, ISSN: 2277-3754.
- Reviewer Committee member of Int. Journal of Computer Science and Information Technology, IJCSIT, ISSN: 2257-3854.
- Reviewer Committee member of Asian Journal of Engineering and Technology, AJET

Date:

Place: