



DR. SANDIPANN P NAROTE

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OBJECTIVES

- To work in challenging and dynamic environment and use my expertise and rich for the growth of the working environment and students.
- To obtain the position of a college principal where my administrative and management skills can prove effective in an established academic environment

PROFESSIONAL STRENGTHS

- Integrity and Loyalty
- Effective planning & organization skills.
- Good motivator and ability to successfully manage multiple priorities and assignments.
- Possess effective presentation, good management and communication skills
- Possess excellent logical and critical thinking
- Ability to solve issues in a quick and efficient manner
- Appropriate and exact delegation of responsibilities to staff
- Have good leadership and management skills

AWARDS AND HONORS

- **AICTE Visvesvaraya Best Teacher Award 2021:** Conferred with National Award "AICTE Visvesvaraya Best Teacher Award 2021". Received the award from Honorable Union Minister of Education Shri Dharmendra Pradhan and Dr. Rajkumar Ranjan Singh (Honorable Minister of State for External Affairs and Education), on 5th September, 2021 at AICTE Headquarters, New Delhi in presence of Prof. Anil Sahasrabudhe , Chairman of AICTE, Shri Amit Khare (Secretary, Ministry of Education), Prof. M P Poonia (Vice Chairman, AICTE) and Prof. Rajive Kumar (Member Secretary, AICTE). **The award carries a cash prize of Rs 25,000 along with a medal and certificate of excellence.**
- **“Best Polytechnic Teacher Award”**, Maharashtra and Goa regional award by Indian Society for Technical Education, NewDelhi, 2018, **Award carries Certificate, Memento, and Cash prize of Rs. 3,000/-**
- **“Best Teacher Award”**, under professional category, 2013-14, **University of Pune. Award carries Certificate, University Memento, and Cash prize of Rs. 15,000/-**
- Best paper award titled **“An Automated Iris Image Localization in Eye Images used for Personal Identification”**, 14th *International Conference on “ADCOM 2006”* at NIT Surtkal 20-24,December 2006.
- Best paper award titled **“EEG signal Classification using Wavelet Transform”** at *International Conference on Systemics, Cybernetics and Informatics, ICSCI – 2005*, Hyderabad, Jan.-2005.
- Gold Medal, at M.E. Electronics from Dr. B. A. M. University Aurangabad 2002.

EDUCATIONAL QUALIFICATIONS

- **PhD (Electronics & Telecommunication – Pattern Recognition)** thesis title **“Iris Recognition Based New Technique for Person Identification”** in July 2010 under the guidance of Dr. L. M. Waghmare (Director, S. G. G. S. Institute of Engineering and Technology, Nanded).
- **M.E (Electronics)** from Jawaharlal Nehru College of Engg. Aurangabad with Ist class (64%) in 2002. Stood first in University.
- **B.E (Electronics & Telecom.)** from COE Osmanabad with Distinction (67%) in 2000.
- **D.E. (Electronics & Comm.)** from S.E.S. Polytechnic, Solapur with Ist class (64%)in 1996
- H.S.C from Sangmeshwar College, Solapur with IInd Class (54%) in 1993.
- S.S.C from P. S. English medium school, Solapur with Ist class (64%) in 1991.

WORK EXPERIENCE

21 Yrs

I Government Residence Women’s Polytechnic, Tasgaon	11/08/2021 – Till Date
• H.O.D. (E & TC)	
II Government Residence Women’s Polytechnic, Tasgaon	19/08/2016 – 10/08/2021
• H.O.D. (E & TC)	
• Principal	7/6/2019 - 2/11/2020
III MES College of Engineering, Pune	13/05/2014 – 18/08/2016
• Professor, in Electronics & Telecomm. Dept.,	
IV SKN Sinhgad Institute of Technology and Science, Lonavala	10/09/2013 – 12/05/2014

- Professor, in Electronics & Telecomm. Dept.,
- V Sinhgad College of Engineering, Pune** **24/07/2002 – 09/09/2013**
- Professor, in Electronics & Telecomm. Dept., 02/08/2010 – 10/09/2013
 - o Professor and Research Convener (03/03/2011 – 10/09/2013)
 - o Nodal Officer –TEQIP (1/12/2010 – 10/09/2013)
 - o Advisor International Student Center(24/07/2005 – 1/08/2010)
 - Asst. Professor, in Electronics & Telecomm. Dept., 01/07/2005 – 1/08/2010
 - Lecturer, in Elect. & Telecomm. Dept 24/07/2002 – 30/06/2005
- VI A. B. Control Systems, Solapur** **05/02/2000 – 23/07/2002**

ACHIEVEMENTS

- **BOS and Faculty Member, Solapur University (2010-2015)**
- **Resource Person** on Iris Recognition at **National Chin Nan University, Taiwan, 2007.**
- **Session Chair for TENCON 2007, Taiwan** for session on Behavior Analysis and Facial Recognition

SPONSORED PROJECTS /GRANTS/ WORKSHOPS

PROJECTS COMPLETED

Sr. No.	Name of funding agency	Name of Scheme	Programme Title	Year of Funding	Amount Sanctioned
1	Savitribai Phule Pune University	R & D	Iris Image Acquisition on the Move	2012-14	3 Lakhs
2	Univ. of Pune	R & D	Development of Security System Using Multimodal Biometrics	2009-12	2.5 Lakhs
3	Univ. of Pune	R & D	Biometrics Based Iris Recognition System	2008-10	1.5 Lakhs
4	AICTE	R & D	Biometrics and RFID Based Security System	2007-09	7.76 lakhs
5	Univ. of Pune	TG	TG	2006-07	0.5 Lakhs
Total					14.76 Lakhs

FDP/STTP/CONFERENCE/WORKSHOP ORGANIZED

Sr. No.	Name of funding agency	Name of Scheme	Programme Title	Year of Funding	Amount Sanctioned
1	AICTE	ATAL-FDP	Outcome Based Education and Accreditation Process	2021-22	0.93 Lakhs
2	DPC	DPC	Gymnasium Development	2020-21	7 Lakhs
3	DPC	DPC	Sports Ground Development	2019-20	7 Lakhs
4	DST-EDI	EAC	Entrepenership Awareness Camp	2019-20	0.2 Lakhs
5	IEDSSA	IEDSSA	Interzonal Womens Competition	2019-20	1.3 Lakhs
6	NITTTR	Phase-II	Phase-II Training Programm	2019-20	2 Lakhs
7	RUSSA	FDP	FDP on Datascience	2019-20	3 Lakhs
8	IEDSSA	IEDSSA	Development Grant for GRWPT	2018-19	2.5 Lakhs
9	IEDSSA	IEDSSA	Interzonal Womens Competition	2017-18	1.3 Lakhs
10	SPPU	Avishkar	Avishkar-2015	2015-16	1.25 Lakhs
11	DST-EDI	TEDP	DST-TEDP	2014-15	2 Lakhs
12	SPPU	Innovation	Innovation-2015	2015-16	2.3 Lakhs
13	DST- EDI	EAC	Entrepenership Awareness Camp	2014- 2015	0.2 Lakhs
14	DST- EDI	EAC	Entrepenership Awareness Camp	12 th -14 th Mar. 2015	0.4 Lakhs
15	Edgate & Texas Instruments Banglore	Contest	Analog design Competition -2014	Sept. 2014	1 Lakhs
16	Univ. of Pune	QIP	An International Seminar On Image Analysis and Biometrics	2013-14	1 Lakhs
17	Univ. of Pune	R & D	AVISHKAR -2011	2011-12	0.9 Lakhs
18	Univ. of Pune	R & D	INNOVATION-2010	2010	1.8 Lakhs
19	Sinhgad College of Engg.	QIP	Workshop on LaTeX for paper writing (Self Sponsored)	4th -5th Sept. 2010	1 Lakhs
20	AICTE	FDP	Advanced Digital Signal Processing	3rd – 13th Dec. 2007	1.98 lakhs
Total					38.06 Lakhs

INVITED TALKS

- [1] **“Iris Recognition”** at National Chin Nan University, Taiwan.2007
- [2] **“Digital Image Processing using MATLAB”** at STTP on Machine Intelligence and DSP applications, at Pillai HOC college of Engineering and Technology, Rasayani, Raigad on 6th Jan. 2018.
- [3] **“Digital Image Processing using MATLAB”** at STTP on MATLAB Applications in Science and Technology, at Government Polytechnic , Karad on 9th Feb. 2018.
- [4] **“Iris Recognition”** at STTP on “Image Processing, Pattern Recognition and Computer Vision”, at Sinhgad Academy of Engineering, Pune 4th March 2013.
- [5] **“Wavelet Transform using MATLAB”** at National Workshop on RTEMSTR-2013 at MET Institute of Engineering, Nashik on 10th Feb 2013.
- [6] **“Digital Image Processing using MATLAB”** at STTP on MATLAB and Simulink for Engineering applications at Bharati Vidyapeeth College of Engineering, NaviMumbai on 13th Dec. 2012.
- [7] **“MATLAB for Signal Processing”** at STTP on “MATLAB for Signal Processing”, at SVER – College of Engineering Pandharpur on 26th-30th Nov. 2012
- [8] **“LaTeX”** two day workshop at Smt. Kashibai Navale College of Engineering, Pune on , 27th Sept. 2012.
- [9] **“Image Processing”** at POINTS-17, training program at **Defence Institute of Advanced Technology**, Girinagar, Pune, 4th – 11th September 2012.
- [10] **“LaTeX”** two day workshop at DKTE’s Textile and Engineering Institute, Ichalkaranji on , 21st -22nd July 2012.
- [11] **“LaTeX and its use in report writing”** at Godavari college of Engineering Jalgaon on “Staff Development Programm Funded by AICTE on Software Applications, 11th -22nd June 2012 .
- [12] **“MATLAB and its application”** at National level workshop on “Communication, Image processing and Signal processing applications using MATLAB, at Amruthwahini College of Engineering Sangamner. 29th - 30th March 2012
- [13] **“LaTeX for report writing”** two day state level workshop on “LaTeX”, at Padm. Dr, V. Vikhe Patil College of Engineering, Ahmednagar, 20th -21st March 2012
- [14] **“DIP using MATLAB”** at workshop on MATLAB and its Engineering Application, at P.D.E. A. College of Engineering, Hadapsar, Pune, 13th -14th March 2012
- [15] **“Biometrics: Iris recognition ”** at National level seminar on “Recent Avancement & Innovations in Image Processing, its methods & its application, 23rd- 25th February 2012 at Prathiba College of Commerece & Computer studies, Chinchwad, Pune.
- [16] **“LaTeX”** two day workshop at Smt. Kashibai Navale College of Engineering, Pune on , 14th -15th November 2011.
- [17] **“LaTeX for report writing”** one day workshop at D.Y. Patil College of Engineering, Akurdi, Pune on , 17th October 2011.
- [18] **“LaTeX for report writing”** two day workshop at MIT College of Engineering, Pune on, 17th -19th September 2011.
- [19] **“MATLAB and its application”** at workshop on “MATLAB with Simulink for DSP, Image processing”, 21st-26th Jan. 2011 at A. G. Patil Institute of Technology, Solapur.
- [20] **“LaTeX for paper writing”** two day workshop on “LaTeX for paper writing”, 24th -25th September 2010 at Sinhgad College of Engineering, Pune.
- [21] **“MATLAB and Labview”** five day workshop on “MATLAB and Labview faculty updation program”, 13th -18th September 2010 at Brahmdev Mane Polytechnic, Solapur.
- [22] **“Image Transforms”** at ISTE approved STTP on “Signal Processing Applications with MATLAB”, 15th - 19th Aug. 2010 at Annashaeb Dange College of Engineering, Ashta, Sangli Kolhapur.
- [23] **“MATLAB Graphics ”** two day workshop on “Introduction and Applications of MATLAB in Engineering”, 10th -11th Feb 2010 at K. K. Wagh Institute of Technology, Nasik.
- [24] **“LaTeX for thesis/report writing”** one day workshop on, 27th Jan 2010 at Walchand Institute of Technology, Solapur.
- [25] **“MATLAB Introduction”** at ISTE approved STTP on “MATLAB applications in communication engineering” at SSPM’S College of Engineering, Kankavli, Sindhudurg, ,28th Dec. 09-1st Jan 2010
- [26] **“Image Processing using MATLAB”** at ISTE approved STTP on “MATLAB applications in electronics engineering” at Tatyasaheb Kore Institute of Engineering and Technology, Warnanagar, Kolhapur, 14th Dec.- 19th Dec 2009.
- [27] **“Digital Image Processing using MATLAB** at ISTE approved STTP on “MATLAB Programming”, 15th -19th Aug. 2009 at D. Y. Patils College of Engineering, Kolhapur.
- [28] **“How to write a paper”**, at Kumte Polytechnic, Solapur.
- [29] **“How to write a thesis”**, at SVCPC polytechnic, Pune.
- [30] **“Recent Trends in Image processing”** at KBVP College of Engineering, Satara.
- [31] **“MATLAB and Toolboxes”** at Walchand Institute of Technology, Solapur.
- [32] **“Iris Recognition”** at A.I.C.T.E approved and sponsored SDP on “Current Trends in Real Time Applications of DSP and Image Processing from 16th – 28th June 2008 at BVU, College of Engineering, Pune.
- [33] **“Research Trends in Iris recognition”** at workshop on Research Methodologies held on 2nd March 2008 at Acropolis Institute of Technology & Research, Indore 2008.

- [34] **“Biometrics and Iris Recognition”** at A.I.C.T.E approved and sponsored SDP on “Advanced Digital Image Processing”, at Sinhgad College of Engineering, Pune, 2nd -13th Dec 2007

MEMBERSHIP OF PROFESSIONAL BODIES

- Member of Institution of Electronics and Electrical Engineers (IEEE-**85026911**)
- Fellow of Institution of Electronics and Telecommunications Engineers (IETE)
- Life member of Indian Society for Technical Education, New Delhi (LMISTE- **37639**)
- Member of International Association of Engineers (MIAENG-**62229**)

REVIEWER

- **Reviewer of IEEE** Reviews in Biomedical
- **Reviewer of IEEE** Transactions on Neural Networks and Learning Systems
- **Reviewer of Elsevier** Pattern Recognition
- **Reviewer of Elsevier** Optik: International Journal for Light and Electron Optics
- **Reviewer of Elsevier** Microprocessor and Microsystems
- **Reviewer of Elsevier** Applied Computing and Informatics
- **Reviewer of Elsevier** Informatics in Medicine
- **Reviewer of Elsevier** Signal Processing: Image Communication
- **Reviewer of Elsevier** Computer and Security
- **Reviewer of** Journal of Electronic Imaging
- **Reviewer of** IET Image Processing
- **Reviewer of** International Journal of IJCS
- **Reviewer** for 2011, International Conference on Advances in Computing, Communications and Informatics (ICACCI-2012), Mysore, 2013.
- **Reviewer** for 2011, IEEE Symposium On Computers & Informatics, ISCI 2011, Malaysia, March 2011.
- **Reviewer** for 2011, International Conference on Advances in Computing Communication and Control ICAC3, January 2011.
- **Reviewer** for 2010 International Conference on Computer Applications and Industrial Electronics, ICCAIE 2010, Malaysia, December 2010.
- **Reviewer** for 2010 IEEE Conference on Open Systems, ICOS2010 Malaysia, December 2010.
- **Reviewer** for 2010 ISCI 2010 IEEE Symposium on Computers and Informatics, Malaysia, December 2010.
- **Reviewer** for 2006 IEEE International Conferences on Cybernetics & Intelligent Systems (CIS) and Robotics, Automation & Mechatronics (RAM) Bangkok, Thailand June 7-9, 2006.
- **Reviewer** for 2006 IEEE Ninth International Conference on Control, Automation, Robotics and Vision, ICARCV 2006, Singapore, December 2006.

INTERNATIONAL EXPOSER

- HongKong
- Taiwan
- Dubai

Ph. D Completed

1. Shrinivas Zanwar “Soft Computing Based Hand Written Character Recognition – A real Time Application” – Nov 2020

Ph. D STUDENTS GUIDING

1. Swapnil Tathe . “Real Time Human Detection, Tracking and Identification Using Face and Eye”- Aug 2014
2. Sarika Patil. “Automatic Analysis Of Retina Disease In Context Of Diabetics And Hypertension”- Aug 2012

M.E. DISSERTATIONS GUIDED

1. Priya Arokiya “Image Compression using redundant and nonredundant wavelet transform ”, - 2008
2. Rakhi Gugardhare “Implementing OCR System and its Application to Calibrate Measuring Instruments Automatically using FPGA”, 2009
3. Priti Shenolikar “Different approaches for Motion Estimation”-2009
4. Mrunal Shidore “Automatic Number Plate Recognition”, -2010
5. Pratap Sanap “License plate recognition for Indian Roads”, -2010
6. Swati Sawakare “Automatic Detection of Malaria Parasite in Blood Images ”- 2011
7. Kamlesh Thakur “Opto-mechatronic System”- 2011
8. Usha Shresti “Gait Based Person Identification System”- 2012.
9. Swapnil Tathe “Human detection and tracking ” -2012
10. Arati Tekade “Image Fusion ”- 2012

11. Shiwani Pandita “ Spatio-temporal based gesture recognition” -2102
12. Sheetal Shitole “ American sign language recognition”- 2012
13. Alwandi “Iris Recognition” -2012
14. Rohit Ekatpure “Multispectral Scleral Patterns for Ocular Biometric Recognition – June 2103
15. Deepali Gaikwad “” – Palm print and vein based multimodal biometrics system – June 2013
16. Swati Deshmukh “” – Innovative feature set for retinopathy analysis of diabetes’s detection- June 2013
17. Sushilkumar Salvi”Iris recognition using wavelet transform and fuzzy based approach-July 2015
18. Pradynaya Bhujbal “Development of robust lane departure and warning system” –July 2015
19. Pooja D. Jadhav- Multimodal Biometric Authentication Based on Score Level Fusion- July 2016

REPORTS

Instrumental in preparation of proposals for

- TEQIP
- Research promotion scheme (RPS), MODROB, FDP- AICTE.
- NBA, AICTE.
- NAC
- COMPLIACE report, AICTE.
- PG programmes
- Research scheme DST
- Research scheme University of Pune

PUBLICATIONS

02+ 1+3+75

PATENT

01

1. Deep Learning Based Detection of Abnormality Scenarios For Computer Vision Based HAR Systems, Patent Office Journal No. 26/2021 Dated 25/06/2021, pp 28193

RESEARCH MONOGRAPH

02

1. S. P. Narote, A. J. Hake, U. P. Mulik, G. G. Umarji, A. J. Patil, “Material in Nano form for Humidity and Moisture Sensor: Controller Applications to Agriculture and Medical Field”, Lambert Academic Publishing, April/Oct. 2019.
2. S. P. Narote, R. S. Holambe, L. M. Waghmare, “**Iris Recognition Based New Technique for Person Identification**”, VDM Verlag Publisher UK., April 2011.

BOOK

1

1. S. P. Narote, S.T.Patil, “**Nano Electronics and MEMS**”, Nirali Prakashan ., Feb. 2016.

BOOK CHAPTERS

03

1. S. P. Narote, S. R. Zanwar, A. S. Narote, “**English Character Recognition Using Robust Back Propagation Neural Network**”, Communications in Computer and Information Science, Springer, pp. 216-227 April 2019.
2. S. P. Narote, S. S. Savakare, “**Comparative Analysis of Segmentation Algorithms Using Threshold and K-Mean Clustering**”, Advances in Intelligent Systems and Computing, vol. 530, pp. 111-118, Sept. 2016.
3. S. P. Narote, S. V. Tathe, “**Face Recognition in Videos Using Gabor Filters**, Advances in Intelligent Systems and Computing, vol. 530, pp. 61- 71, Sept. 2016.

JOURNALS

19

1. S. P. Narote, S. R. Zanwar, A. S. Narote, “**Hybrid Optimization And Effectual Classification For High Recognitions In OCR Systems**”, Springer, The Institutions of Engineers(India): Series B, vol. 102, no. 3,2021
2. S. P. Narote, S. R. Zanwar, A. S. Narote, “**English Character Recognition Using Robust Back Propagation Neural Network**”, International journal of scientific & technology research vol. 8, no. 12, pp978-987, 2019
3. S. P. Narote, S. R. Zanwar, A. S. Narote, “Feature Extraction Techniques based on Swam Intelligence in OCR”, International journal of Innovative Technology and Exploring Engineering vol. 8, no. 12, pp 13-19, 2019
4. S. P. Narote, S. R. Zanwar, A. S. Narote, “**English Character Recognition Using Robust Back Propagation Neural Network**”, Communications in Computer and Information Science, Springer, pp. 216-227 April 2019.

5. S. P. Narote, P. N. Bhujbal, A. S. Narote, D. M. Dhane, “**A review of recent advances in lane detection and departure warning system**”, Pattern recognition, vol. 73, pp.216-234, 2018.
6. S. P. Narote, A. S. Narote, S. B. Patil, “**Efficient Retinal Vessel Detection Using Line Detectors with Morphological Operations**”, Journal of Intelligent and Fuzzy Systems, vol. 32, no. 4, pp. 2829-2836, 2017.
7. S. P. Narote, S. V. Tathe, A. S. Narote, “**Face recognition and tracking in videos**”, Advances in Science, Technology and Engineering Systems Journal, Vol. 2. No. 3, pp. 1238-1244, 2017.
8. S. P. Narote, S. Pandita “**Hand Gesture Recognition Using SIFT**”, International Journal of Engineering Research and Technology, Vol. 2. No. 1, pp. 1-4, Jan. 2013
9. S. P. Narote, A. Tekade “**Feature fusion method based on fisher discriminant analysis for face and ear for multimodal recognition**”, International Journal of Engineering Research and Technology, Vol. 1. No. 5, pp. 1-4, 2012
10. S. P. Narote, S. V. Tathe “**Face detection using color models**”, World Journal of Science and Technology Vol. 2. No. 4, pp. 182-185, 2012.
11. S. P. Narote, A. D. Shreshti, “**Human Identification by Giat Recognition**”, CIIT International Journal of Biometrics and Bioinformatics, Vol.04, No.01, pp. 1-4, January 2012.
12. S. P. Narote, S. S. Savakare, “**Automatic Classification of Normal and Infected Blood Cells for Parasitemia Detection**”, International Journal of Computer Science and Security, Vol.05, No.03, pp. 409-414, March 2011.
13. S. P. Narote, M. M. Shidore., “**Vehicle Number Plate Detection and Character Segmentation**”, International Journal of Digital Image Processing, Vol.03, No.04, pp. 250-253, March 2011.
14. S. P. Narote, M.M. Shidore., “**Number Plate Recognition for Indian Vehicles**”, International Journal of Computer Science and Network Security, Vol.11, No.02, pp. 143-146, March 2011.
15. S. P. Narote, S. S. Savakare, “**Automatic Classification of Normal and Infected Blood Cells for Parasitemia Detection**”, International Journal of Computer Science and Network Security, Vol.11, No.02, pp. 94-97, March 2011.
16. S. P. Narote, A. S. Narote, L. M. Waghmare., “**Iris Based Recognition System Using Wavelet Transform**”, International Journal of Computer Science and Network Security, Vol.9, No.11, pp. 101-104, Dec 2009.
17. S. P. Narote, S. T Patil, D. S. Bormane, “**Electroencephalograph Signal Analysis During Basarika Using wavelet**”, *International Journal of Applied Computing*, Vol. 2. pp. 13-15, 2009.
18. S. P. Narote, P. C. Shenolikar, “Motion Estimation on DWT based image sequence”, International Journal of Recent Trends in Engineering, Vol. 2, No. 4, pp. 168-170, Nov 2009.
19. S. P. Narote, R Arokiya “Projection Based Mapping in Image Compression” International Journal of Electronics and Communication Engineering, Tamil Nadu, pp 63-67 March 2008.

INTERNATIONAL CONFERENCES

42

1. S. P. Narote, S. R. Zanwar, A. S. Narote, U. B. Shinde, “**An Effectual Optical Character Recognition Using Efficient Learning System**”, International Conference on Sustainable Computing in Science, Technology & Management (SUSCOM-2019), pp. 2198-2205, Feb. 2019.
2. S. P. Narote, S. R. Zanwar, A. S. Narote, “**English Character Recognition Using Robust Back Propagation Neural Network**”, International Conference on Recent Trends in Image Processing & Pattern Recognition (RTIPPR-2018), pp. 216-227 Dec. 2018.
3. S. P. Narote, S. S. Savakare, “**Automatic Blood Cell Segmentation Using K-Mean Clustering From Microscopic Thin Blood Images**”, International Symposium on Computer Vision and the Internet (VisionNet'16), pp. 8-11, 21-24 Sept. 2016.
4. S. P. Narote, S. S. Savakare, “**Comparative Analysis of Segmentation Algorithms Using Threshold and K-Mean Clustering**”, International Symposium on Intelligent Systems Technologies and Applications (ISTA'16), pp. 111-118, Sept. 2016.
5. S. P. Narote, S. V. Tathe, “**Face Recognition in Videos Using Gabor Filters**”, International Symposium on Intelligent Systems Technologies and Applications (ISTA'16), pp. 61- 71, Sept. 2016 .
6. S. P. Narote, S. V. Tathe, “**Human Face Detection and Recognition in Videos**” International Conference on Advances in Computing, Communications and Informatics (ICACCI), pp. 2226-2231, 21-24, Sept. 2016 .
7. S. P. Narote, A. S. Narote, S. B. Patil, “**Efficient Retinal Vessel Detection Using Line Detectors with Morphological Operations**”, International Conference on Advances in Computing, Communications and Informatics (ICACCI), pp. 2901-2912, 2017.
8. S. P. Narote, S. S. Salve, “**Iris recognition using Wavelet transform and SVM based approach**”, International Conference on Electronics and Communication System, March 2016
9. S. P. Narote, S. S. Salve, “**Iris recognition using SVM and ANN**”, International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET), pp 474-478, Feb. 2016

10. S. P. Narote, P. N. Bhubjal, "**Lane departure warning system based on hough transform and Euclidean distance**", 2015 IEEE International Conference on Image Information Processing ICIP-2015, pp 370-373, Dec. 2015.
11. S. P. Narote, S. S. Savakare, "**Blood cell segmentation from microscopic blood images**", International Conference on Communication, Information and Computing Technology ICCICT-2015, 1-4, Jan 2015.
12. S. P. Narote, S. S. Savakare, "**Automated System for Malaria Parasite Identification**", International Conference on Information processing ,ICIP-2015, pp. 502-505, Jan 2015.
13. S. P. Narote, S. V. Tathe "**Real Time Human Detection and Tracking**", International Conference on IEEE INDICON -2013, 13-15 Dec 2013
14. S. P. Narote, D. D. Gaikwad "**Mean Shift and Kalman Filter Based Human Face Tracking**", International Conference on IEEE INDICON -2013, 13-15 Dec 2013
15. S. P. Narote, R. Ekhatpure "Ocular Detection for Biometric Recognition", 2013 IEEE International Conference on Image Information Processing TCIP-2013, p p644-648, Dec. 2013
16. S. P. Narote, S. V. Tathe "**Mean Shift and Kalman Filter Based Human Face Tracking**", In proceedings of International Conference on Advances in Signal Processing and Communication – SPC 2013, pp. 317-324, June 2013
17. S. P. Narote, S. S. Savakare, "**Automatic System for Classification of Erthrocytes Infected with Malaria and Identification of Parasites Life Stage**", In proceedings of International Conference on Communication and Computing and Security ICCCS-2102, Vol. 6, pp. 405-410, October 2012.
18. S. P. Narote, A. D. Shreshthi, "Giat Recognition for Human Identification", In proceedings of International conference and workshop on recent trends in technology, pp. 464-467, 2012.
19. S. P. Narote, P. R. Sanap, "**License Plate Recognition System for Indian Vehicles**", In proceedings of International conference on Methods and Models in Science and Technology- ICM2ST-10, Dec 2010, pp no. 130-134.
20. S. P. Narote, P. R. Sanap, "**License Plate Recognition System- Survey**", In proceedings of International conference on Methods and Models in Science and Technology- ICM2ST-10, Dec 2010, pp no. 255-260.
21. S. P. Narote, Rakhi P Ghugardare "**Implementing OCR on FPGA**", In *proceedings of IEEE Region 10 conference "TENCON2009"* Singapore, November 2009
22. S. P. Narote, P. C. Shenolikar, "**Motion Estimation DWT based image sequence**", accepted at International Conference in Computer, Electronics and Electrical 2009, Nov 2009.
23. S. P. Narote, Rakhi P Ghugardare "**Implementing OCR on FPGA**", In *proceedings of IEEE Region 10 conference "TENCON2009"* Singapore, November 2009
24. S. P. Narote, P. C. Shenolikar, "**Wavelet based motion estimation**", In proceedings of International Conference on signal and image processing, Aug 2009, pp no. 182-185.
25. S. P. Narote, M. M. Shidore, "**An effective method for Vehicle Number plate Extraction**", in proceedings of International Conference on signal and image processing, Aug 2009, pp no. 298-301.
26. S. P. Narote, P. C. Shenolikar, "**Different approaches for motion estimation**", In proceedings International Conference on Control, Automation, Communication and Energy Conservation Erode, June 2009, pp no. 441-445.
27. S. P. Narote, A. S. Narote, L.M. Waghmare, "**Iris Data Acquisition Using MATLAB**", In proceedings of International Conference on Control, Automation, Communication and Energy Conservation Erode, June 2009, pp no. 159-163.
28. S. P. Narote, Rakhi P Ghugardare "**Implementing OCR on FPGA**", In proceedings of International Conference on Emerging technologies and applications in Engineering Technology and sciences, Rajkot, January 2008, pp 504-508.
29. S. P. Narote, A. S. Narote, L.M. Waghmare, M. B.Kokare "**Robust Iris Feature Extraction Using Dual Tree Complex Wavelet Transform**", In proceedings of International Conference on Signal Processing and Communications. Dubai, November 2007, pp 975-978.
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32. S. P. Narote, A. S. Narote, L.M. Waghmare, "**An Automated Iris Image Localization in Eye Images used for Personal Identification**", In proceedings of *14th International Conference on "ADCOM 2006"* held at NIT Surtkal on 20-24, December 2006, pp 250-253
33. S. P. Narote, S. T Patil, D. S. Bormane, "**Electroencephalograph signal analysis during Basarika**", In proceedings of *International Conference on "ADCOM 2006"* held at NIT Surtkal on 20-24, December 2006, pp 366-369.
34. S. P. Narote, S. T Patil, D. S. Bormane, "**Electroencephalograph Signal Analysis During Basarika Using wavelet**", In proceedings of *International Symposium on Computational Biology and Bioinformatics (ISBB 06)* on 15-17, December 2006.

35. S. P. Narote, A. S. Narote, L.M. Waghmare, “**Iris based recognition system using daubechies wavelet transform**”, In proceedings of *IEEE International Conference on “TCSIP 2006”* held during 7-9, Vol. II ,pp. 849-853 December 2006.
36. S. P. Narote, A. S. Narote, L.M. Waghmare, “**An Automated Segmentation Method For Iris Recognition**”, In proceedings of *IEEE Region 10 conference “TENCON2006”* Hong Kong, paper ID -867, held during 14-17, November 2006.
37. S. P. Narote et .al, “**Biometric based personal Identification using Iris**”, In proceedings of *International Conference on Systemics, Cybernetics and Informatics, ICSCI – 2006*, Pentagonam Research Centre -Hyderabad, pp 863-868 Jan 2006.
38. S. P. Narote et .al, “**A Neural Network Technique for detection of microcalcification in digitised Mammograms**”, In proceedings of *International Conference on Systemics, Cybernetics and Informatics, ICSCI – 2006*, Pentagonam Research Centre -Hyderabad, pp774 -780 Jan 2006.
39. S. P. Narote et. al, “**EEG signal Classification using Wavelet Transform**”, In proceedings of *International Conference on Systemics, Cybernetics and Informatics, ICSCI – 2005*, Pentagonam Research Centre -Hyderabad, Vol. I, pp. 553-557, January 2005.
40. S. P. Narote et. al, “**Electroencephalogram signal processing using Wavelet Transform**”, In proceedings of *International multidisciplinary aspects in engineering ,IMAE05,IEEE-WIE,Pune*, January 2005.
41. S. P. Narote et .al, “**IRIS Recognition Technology**”, In *proceedings of International Conference on Cognition, and Recognition, ICCR – 2005*, Mysore, pp 679-682, Dec 2005.
42. S. P. Narote et .al, “**A Region Growing Segmentation for Detection of microcalcification in Digitized Mammograms**”, In proceedings of *International Conference on Cognition, and Recognition, ICCR – 2005*, Mysore, pp 785-789 Dec 2005.

NATIONAL CONFERENCES

14

1. S. P. Narote, R Arokiya “**Image compression using wavelet transform**” *Proceedings of National Conference on OPTEST 2008*, TamilNadu, March 2008, pp 63-67.
2. S. P. Narote, Rakhi P Ghugardare “**Implementing OCR on FPGA**”, *Proceedings of National Conference on Emerging trends in signal processing and communication*, Pune, December 2007, pp 504-508.
3. S. P. Narote, Rakhi P Ghugardare “**Implementing OCR on FPGAnad its application to calibrate measuring instruments automatically**”, *Proceedings of National Conference on Embedded control, computing and communication*, Pune, Septmeber 2007.
4. S. P. Narote, S. R. Ganorkar, et. al, “Personal identification using iris patterns” in TSYGCEA-06 organized by Govt. COE, Aurangabad 23-24 Jan2006
5. S. P. Narote et .al, “EEG signals processing”, *Proceedings of the National Conference on Emerging trends in Biomedical Engineering BIOCON 2005, Pune*, 2005.
6. S. P. Narote et .al, “Detection of Microcalcification in digitized Mammograms”, *Proceedings of the National Conference at Signal Processing ,Communication and Control SPCCNO1, Pune*, pp. 343-346, July 2005.
7. S. P. Narote et .al, “Feature extraction Of EEG signals using Wavelet Transform”, *Proceedings of the National Conference at Signal Processing ,Communication and Control SPCCNO1, Pune*, pp. 339-342, July 2005.
8. S. P. Narote et .al, “Feature extraction of digitized mammograms”, *Proceedings of the National Conference on Emerging trends in Biomedical Engineering BIOCON 2005, Pune*, 2005.
9. S.P. Narote, et. al. “EEG analysis using FFT”, *Proceedings of the National Conference on Emerging Trends in Mechatronics, MIT, Aurangabad*, pp. 67-74, July, 2004.
10. S. P. Narote et .al, “Techniques for evaluation of Digital Watermarking”, *Proceedings of the National Competition of technical paper presentations, Khadi, Gujarat*, January, 2005.
11. S.P. Narote, et. al. “EEG Feature extraction using Wavelet Transform”, *Proceedings of the National Conference on Emerging Trends in Mechatronics, MIT, Aurangabad*, pp. 204-209, July, 2004.
12. S.P. Narote, et. al. “Gabor Filter Approach for Fingerprint Matching in Person Identification”, *Proceedings of the National Conference on Emerging Trends in Mechatronics, MIT, Aurangabad*, pp. 25-31, July, 2004.
13. S.P. Narote et. al. “Minutiae Based Fingerprint Matching used in Person Identification”, *Proceedings of the National Conference on Emerging Trends in Mechatronics, MIT, Aurangabad*, pp.1-5, July, 2004.
14. S. P. Narote et .al, “EEG signal processing using FFT”, *Proceedings of the National level paper presentations, Saurashtra, Gujarat*, Jan., 2002.

AREA OF INTEREST

- Digital Signal Processing
- Digital Image Processing
- Biometrics
- Embedded Systems
- Soft Computing
- Artificial Intelligence

SUBJECTS TAUGHT

POST GRADUATE

- Advanced Digital Signal Processing
- Embedded system

- Signal Processing Architectures
- Fuzzy Mathematics
- Image Processing
- Computer Vision

UNDER GRADUATE

- Digital Signal Processing
- Digital Image Processing
- Soft Computing
- Embedded System Design

TRAINING

SKILL SET

- Operating System: Windows 98/NT/2K/7, 2003Server.
- Software Tools/Packages: MATLAB, Open CV, Scilab, CC Studio, LaTeX.
- Programming Languages known:, C, C++, Assembly.

PROFESSIONAL COURSES/TRAINING

21

- [1] FDP on “Recent Trends in Internet of Things”, at Rajashri Shahu College of Engineering, Pune 4th Dec – 15th Dec 2017.
- [2] “Induction Training Phase-I”, at NITTTR, Bhopal, Zeal Polytechnic, Pune 29th May – 9th June 2017.
- [3] FDP on “Signal Processing and Advanced Communication”, at Bharti Vidyapeeth, College of Engineering, Pune 27th Feb. – 3rd March 2017.
- [4] STTP on “Integral Transforms with Applications”, at NITTTR, Bhopal (Pune), 6th – 10th Feb. 2017.
- [5] STTP on “Outcome Based Education (OBE) Philosophy and NBA Awareness”, at Government Polytechnic, Pune, 9th – 13th Jan. 2017.
- [6] FDP on “Soft Computing”, at Sinhgad College of Engineering, Pune 1st June – 13th June 2015.
- [7] STTP on “Image Acquisition, Processing and Applications”, at St. Xaveir Institute of technology, Mumbai, 7th -12th Jan. 2013.
- [8] FDP on SCILAB at S.G.G.S. I.O.E & T, Nanded, 2010.
- [9] IUCEE FDP on “MATLAB and Toolboxes”, at Infosysis, Mysore, 22nd to 26th June 2009
- [10] STTP on “Wavelet Transform”, at SGGGS Institute Of Engg. & Technology, Nanded, May. 2009.
- [11] STTP on “LATEX”, organized by Govt. college of Engineering, Pune, March 2008.
- [12] STTP on “Current Trends in Real Time Applications of DSP and Image Processing” Organized by BVP COE, Pune in 16th -28th June 2008
- [13] STTP on “Advanced Digital Signal Processing” Organized by SCOE, Pune.on 3rd -13th Dec. 07
- [14] STTP on “VLSI Chip design” Organized by SCOE, Pune.on 2-4th Feb.06
- [15] STTP on Recent trends in DSP & Image Processing at SGGGS I. E. & T, Nanded, Jan. 2006
- [16] STTP on LINUX programming at SKNCOE, Pune, Nov. 2005
- [17] STTP on Microprocessor at SCOE, Pune, Aug. 2005
- [18] STTP on Advanced VLSI design at SKNCOE, Pune, April 2005
- [19] STTP on Advanced Digital Signal Processor at C. O. E. P. Pune, June2004.
- [20] STTP on Advanced Digital Signal Processor at V. I. T. Pune, June2003.
- [21] CEP on Antennas at I. I. T. Powai in Feb. 2003.

CONFERENCES/WORKSHOPS ATTENDED

22

- [1] International Conference and Workshop on Multicon-2017, Mumbai Feb. 2017
- [2] International Symposium on Computer Vision and the Internet, Jaipur, Sept. 2016
- [3] IEEE International Conference on INDCON 2014, IIT Powai, Mumbai, Dec 2014.
- [4] International Conference on Control, Automation, Comm. and Energy Conservation, Erode, June 2009.
- [5] IEEE, International Conference on Signal Processing and Communications. Dubai, November 2007
- [6] IEEE, TEN region International Conference on TENCON06, Hong Kong, November 2006.
- [7] IEEE international conference on ICSIP 06, Hubli, Dec 2006.
- [8] IEEE international conference on ADCOM 06, Surthkal, Dec 2006.
- [9] International Conference on Systemic, Cybernetics and Informatics, ICSCI – 2006, Pentagon Research Centre -Hyderabad, Jan 2006.
- [10] International Conference on multidisciplinary aspects in engineering, IMAE05, Pune, Jan 2005.
- [11] International Conference on Systemics, Cybernetics and Informatics, Hyderabad, January 2005.
- [12] International Conference on Cognition, and Recognition, ICCR – 2005, Mysore, Dec 2005.
- [13] National Conference on Signal Processing, Communication and Control SPCCNO1, Pune July 2005.
- [14] National Conference on Emerging Trends in Mechatronics, MIT, Aurangabad, July, 2004.
- [15] National Conference on Emerging trends in Biomedical Engineering BIOCON 2005, Pune, 2005.
- [16] Workshop on “DSP system design using FPGA” Organized by SKNCOE, Pune on 15-17 May 06

- [17] Workshop on “Detailing of BE syllabus” Organized by SCOE, Pune at SIT, Lonawala on 06/02/06.
- [18] Workshop on “Detailing of BE syllabus” Organized by Vidyapratisthan COE, Baramati on 06/07/06.
- [19] Workshop on “Detailing of BE syllabus” Organized by PICT Pune, on 06/12/06.
- [20] Workshop on “Microcontroller design & development tools” Organized by Dept. of E&TC, SCOE Pune. on 7-9th July 05
- [21] Workshop on “Window & Linux Server” Organized by SKNCOE, Pune on 05/05/05.
- [22] Workshop on “Implementation of S.E. (E &TC) Curriculum- 03” Organized by BV.D.W.C.O.E.,Pune. on 10/01/06

OTHERS

- Participated in 5 Km sea swimming from Sankrock to Gateway of India on 22nd Jan 2014.
- 1st in Swimming at Shivaji University.
- Participated in Swimming Nationals at Goa in Dec.1991 organized by Sports authority of India.
- Participated in Swimming Nationals at Calicut in Dec.1995 organized by Sports authority of India.
- Participated in Swimming State Meet at Amravati in Dec.1993 organized by Sports authority of Maharashtra stood IInd.
- Participated in 36 Km & 11Km sea swimming from Dharamtar to Gateway of India & Uran to Gateway of India.

REFERENCES

Name	Prof. Dr. L. M. Waghmare	Prof. Dr. S. I. Patil
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