

CURRICULUM VITAE

Full Name : KANADE SUDHIR SIDHESHWAR

Permanent Address : Vishal Nagar, Near Sai Baba Temple,
Latur-413512.

Email : kanadesudhir15@gmail.com; sskanade44@yahoo.co.in;

Mobile Number : +91 98 234 60 625

Date of Birth : 04 April 1969.

Category : Open.

Nationality : Indian.

Gender : Male.

Languages Known : Marathi, Hindi, and English.

Present Department : Electronics Engineering.

Present Designation : Head of Electronics Engineering Department

Educational Qualification :

Examination(s) passed	Board/University	Year of passing	Division/ Class obtained
Ph. D. (Electronics Engineering)	Dr. BAMU Aurangabad	23 Jan. 2013	--
M.E. (Electronics) Specialization in Computer Technology	S.R.T.M. University, Nanded.	1999	First
B.E. (Electronics)	Marathwada University, Aurangabad	1992	First
D.I.E.E.	Bombay Tech. Board, Maharashtra	1989	First

Teaching Experience :

Organization	Designation	From Date	To Date	Total Experience
TPCT's College of Engineering, Osmanabad	Lecturer (Lecturer Post UGC Approval From 1999)	15-02-1993	31/01/2002	
	Senior Lecturer (UGC Approved)	01-02-2002	28/12/2003	
	Assistant Professor (UGC Approved)	29-12-2003	28/02/2011	
	Associate Professor (As per Government Resolution, Higher & Technical Education Department No. SPC-2010/ (34/10)/TE-2, dated 20th August, 2010).	01-03-2011	31/08/2011	
	Professor Adhoc	01-09-2011	18/05/2018	
Government Polytechnic, Ambad	HOD (EX)	19/05/2018	10/08/2021	
Puranaml Lahoti Government Polytechni, Latur	HOD (EX)	11/08/2021	Till date	

Achievements:

- Recognized **Research Guide** in the subject of Electronics Engineering under the faculty of Engineering & Technology, Dr. BAMU Aurangabad from 04/06/2015.
- Recognized **PG Teacher** Guide in the subject of Electronics Engineering under the faculty of Engineering & Technology, Dr. BAMU Aurangabad from 15/11/2010.
- One student under my guidance **completed PhD**.
- Board of study Member/Head of Department in Electronics Engineering at Dr. Babasaheb Ambedkar University, Aurangabad (MAHARASHTRA).
- Board of study Member at Solapur University, Solapur (MAHARASHTRA).

Computer languages known: MATLAB 7.6, VHDL (Xilinx 10.1), C language.

Ph.D. Topic : "Video Summarization Based on Shot Importance Measure Using Audiovisual and Text Feature Extraction and Analysis".

PG Project Title : "EEG Analysis through Fourier & Hartley Transform".

Areas of Interest : Digital signal processing, Digital Image Processing, Video Image Processing, VLSI Design.

No. of PG students guided: 17

Winter schools / Short Term Courses / Workshops / Seminars Attended:

Year	Name of Winter schools / Short Term Courses / Workshops	Organized by	Venue/Mode	Duration
2021	STP: Foundation Training Programme for Class-I Officers of Higher & Technical Education Department	Yashwantrao Chavan Academy of Development Administration (YESHDA), Pune	Online	29/06/2021 To 09/08/2021
2020	Training Program on, "MATLAB for Engineering Graduates".	Department of Electronica and Communication, B.I.E.T., Jhansi.	Online	5-18 June 2020
2020	AICTE Recognized FDP on, "Research Trends in VLSI Design".	NITTTTR, Chandigarh	Online	25/05/2020 To 29/05/2020
2020	AICTE Recognized FDP on, "Academic Leadership Enhancement In Technical Institutions".	NITTTTR, Chandigarh	Online	04/05/2020 to 08/05/2020
2012	ISTE Short Term Training Program on, "Trends in VLSI Design and Embedded Systems".	Department of Electronics Engineering, Latur.	M. S. Bidve Engineering College, Latur.	23/01/12 to 27/01/12
2006	Winter school on "Digital Signal Processing : Fundamentals, Advances & Applications"	Dept. of Inst., SGGSI& T, Nanded.	IT Seminar Hall, IT dept. Nanded.	18 th to 23 rd Dec. 2006.
2006	STTP on "Advances in Signal Processing"	Dept. of E&TC, COE, Ambajogai.	Dept. of E&TC, COE, Ambajogai	3 rd to 15 th July 2006.
2006	STTP on "Recent trends in Signal & Image Processing"	Dept. of E&TC, SGGSI&T, Nanded.	Dept. of E&TC, SGGSI&T, Nanded.	16 th to 18 th Jan 2006
2003	STTP on "Advanced DSP Processors"	Dept. of E& TC, VIT, Pune.	Detp. of E&TC, VIT, Pune	23 rd to 28 th June 2003
2003	Workshop on "MATLAB & Simulink"	MIT, Pune.	MIT, Pune	July 2003
2003	Industry-Institute Partnership	COE, Osmanabad & Jt. DTE Aurangabad	COE, Osmanabad	24 th March, 2003
2000	Two days Seminar' Workshop on " Digital Signal Processing"	Dept. of Electronics Engg., Walchand COE, Sangli.	Walchand COE, Sangli	17 th & 18 th Sept. 2000
2000	One day workshop on "Efficient Conduction of Practical Classes"	ISTE Local Chapter, COE, Osmanabad.	COE, Osmanabad	27 th Jan 2000
1999	A Course in "Bio-Medical Instrumentation"	Bio-Medical Inst. Center SGGSC&T, Nanded.	SGGSCE&T Nanded	11 th to 16 th Jan. 1999

List of Publications

International Journal Publications:

- Sudhir S. Kanade, and P. M. Patil, “Dominant Color Based Extraction Of Key Frames For Sports Video Summarization”, International Journal of Advances in Engineering & Technology, Vol. 6, Issue 1, pp.504-512, **ISSN: 2231-1963**, Mar. 2013. **(Impact Factor 0.86)**.
- Sudhir S Kanade and Pradeep M Patil. “Lawn Tennis Video Summarization based on Audiovisual and Text Feature Analysis”, International Journal of Computer Applications **(0975 –8887)** Volume 42–No.19, pp. 28-35, **Doi: 10.5120/5803-8126**, March 2012. **(Impact Factor 0.835)**.
- Sudhir S. Kanade and P. M. Patil, “**Survey of Video Summarization**”, International Journal of Computational Intelligence and Telecommunication Systems, **Vol.2 No.1, pp.47-55, ISSN: 2229-3078, January-June 2010.**
- Sudhir S. Kanade and Raut Anant S., “Detection and Removal of Object-Oriented Shadows from Urban High-Resolution RSI”, International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 4 Issue 01, January-2015. **(Impact Factor 1.76)**.
- Sudhir S. Kanade, and Tajashri S. Bobade, “ An Amalgamation-Based System for aneurysm Detection and Diabetic Retinopathy Grading”, International Journal of Modern Engineering Research (IJMER), ISSN: 2249-6645, vol. 5, Issue 1, Jan. 2015.
- Sudhir S. Kanade, and Padmanabh D. Deshpande, “SPAA Aware Multiplier Accumulation Unit for Error Tolerant Digital Image Processing Application”, International Journal of Scientific & Engineering Research(IJSER), ISSN 2229-5518, Volume 6, Issue 1, January-2015. **(Impact Factor: 3.2)**.
- Sudhir S. Kanade , and Durga S. Patil, “Reversible Data Hiding in Encrypted Images by Reserving Room Before Encryption”, International Journal of Scientific Engineering and Technology Research (IJSETR), **(ISSN 2395-4396)**, Vol-2 Issue-1, pp 184-192, 2016. **(Impact Factor: 2.916)**.
- Sudhir S. Kanade, and Pushkaraj B. Thorat, “Automated Scaling of Cluster Using Deployment Diagrams in Platform-As-A- Service”, International Journal of Innovative Research in

Computer and Communication Engineering (IJRCCE), ISSN(Online): 2320-9801, ISSN (Print): 2320-9798 (An ISO 3297: 2007 Certified Organization) Vol. 2, Issue 12, December 2014.

(Impact Factor (2014): 5.618).

- Bondar V.S. and Sudhir S. Kanade, “Review on Techniques for Total Throughput Maximization of Two-Way Relay Networks Using At Cooperative Protocol”, International Journal Of Modern Engineering Research (IJMER), ISSN: 2249–6645, Vol. 4, Issue 12, Dec. 2014.
- Sudhir S. Kanade, and Sandip S. Gujare, “Comparative Study Of Different Digital Inpainting Algorithms”, International Journal of Electronics and Communication Engineering & Technology (IJECET), ISSN 0976 – 6464(Print), ISSN 0976 – 6472(Online), Volume 5, Issue 12, December (2014), pp. 258-265© IAEME. (Journal Impact Factor (2014): **7.2836** (Calculated by GISI)).
- Sudhir S. Kanade, and Deepak V. Jadhav, “Detecting Network Attacks Using Flow-Based Techniques”, International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE), ISSN: 2277 128X, Volume 4, Issue 12, December - 2014, pp. 574-578.
(Impact Factor: 2.5).
- Kharge S. M., Deshpande L. M., and Kanade S. S., “A New Approach for Skin tone Based Steganography with Key analysis For Mistreatment Biometrics”, International Journal of Engineering and Innovative Technology (IJEIT), ISSN: 2277 -3754, Volume 3, Issue 5, November 2013. **(Impact Factor: 2.137).**
- Lagdive Kedar M., and Kanade Sudhir S., “Detecting Disconnection in Wireless Sensor Network”, International Journal of Advanced Research in Computer Science and Software Engineering (IJRCSSSE), ISSN: 2277 128x, Volume 3, Issue 11, November 2013. **(Impact Factor: 2.5).**
- Kazi Yaser Arafat S , Sudhir S. Kanade, “ Imagined Speech EEG Signal Processing For Brain Computer Interface”, International Journal of Application or Innovation in Engineering & Management (IJAIEM), ISSN 2319 – 4847, Volume 3, Issue 7, pp 123-126, July 2014. **(Journal Impact Factor (2014): 3.115).**
- Bondar V.S. and Sudhir S. Kanade, “Total Throughput Maximization of Two-Way Relay Networks Using Af Cooperative Protocol”, International organization of Scientific Research, ISSN (e): 2250-3021, ISSN (p): 2278-8719 Vol. 04, PP 29-33, Issue 06 (June. 2014). **(Impact Factor: 1.645).**

- Sangita S L, and S. S. Kanade, “A brief review on image restoration in image processing”, International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE), ISSN (Print) : 2319-5940, ISSN (Online) : 2278-1021 Vol. 2, Issue 6, June 2013. **(Journal Impact Factor 4.582).**
- Dnyaneshwar V.Haralkar, Dr. Sudhir S. Kanade, “Performance And Analysis Of Improved Unsharp Masking Algorithm For Image Enhancement”, International Journal Of Electronics And Communication Engineering & Technology (IJECE), ISSN 0976 – 6464(Print), ISSN 0976 – 6472(Online), Volume 4, Issue 2, March – April, 2013, pp. 399-411. **(Journal Impact Factor (2013): 5.8896).**
- Anirudha R. Deshpande, and Dr. Sudhir S. Kanade, “Zernike Moment Of Invariants For Effective Image Retrieval Using Gaussian Filters”, International Journal Of Electronics And Communication Engineering & Technology (Ijecet), ISSN 0976 – 6464(Print), ISSN 0976 – 6472(Online), Volume 4, Issue 2, March – April, 2013, pp. 412-425. **(Journal Impact Factor (2013): 5.8896).**
- Ms. Ashwina N. Patil, Prof. S.S. Kanade, Ms. S.S. Bhakare, “Fast Recovery For Dual-Link Failure Through Backup Path”, International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622, Vol. 2, Issue4, July-August 2012, pp.1486-1489. **(Journal Impact Factor 1.69).**
- Sanjeevani subhash kagade, and Prof. Dr. Kanade Sudhir Siddheshwar, “Robust DCT Watermarking for Digital Images”, International Journal Of Innovative Research In Electrical, Electronics, Instrumentation And Control Engineering, ISSN (Online) 2321-2004 ,ISSN (Print) 2321-5526, DOI 10.17148/IJIREICE.2015.3308, Vol. 3, Issue 3, March 2015. **(Impact Factor 3.885).**
- Sudhir S. Kanade, and Nayna V. Bhosale, “A Survey on Implementation of VLSI Based Image Compression Scheme on Reconfigurable Computing System”, International Journal of Scientific Engineering and Technology Research (Impact Factor: 2.916), ISSN: 2319-8885, PP 1907-1910, 2015.
- Sangita S. Londhe, and Sudhir S. Kanade “Bird Species Identification Using Support Vector Machine”, International Journal of Computer Science and Mobile Computing IJCSMC, (Impact Factor: 4.277), ISSN: 2320-088X, pg.125 – 135, Vol. 4, Issue. 9, September 2015.
- Sandip S. Gujare, and Sudhir S.Kanade, “Super-Resolution of an Image using Exemplar Technique”, International Journal of Advanced Research in Electrical, Electronics and

Instrumentation Engineering, ISSN (Print) : 2320 – 3765, ISSN (Online): 2278 – 8875, DOI: 10.15662/IJAREEIE.2015.0409064, Vol. 4, Issue 9, pp 7924-7931, September 2015.

- Ms. Kavita V. Wagh, Dr. Sudhir S. Kanade, “Survey On Human Detection and Tracking Techniques” ,
- Bhumkar P P, Kanade S S, and Diwane R M, “Intelligent Traffic Control and Smart Toll Plaza” , International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, **Impact Factor: 6.452**, Volume 07 Issue 06, June 2017, Page 53-60.
- Joshi P P, Dr.Kanade S S, and Dr.Joshi S P, “Wireless Sensor Network and Monitoring of Crop Field”, IOSR Journal of Electronics and Communication Engineering (IOSR-JECE) e-ISSN: 2278-2834,p- ISSN: 2278-8735, DOI: 10.9790/2834-1201022328, **Impact Factor: 3.12**, Volume 12, Issue 1, Ver. II (Jan.-Feb. 2017), PP 23-28 www.iosrjournals.org
- Joshi P P, Dr.Kanade S S, and Dr.Joshi S P, “Applications of Wireless Sensors in Agriculture Field for Monitoring of Parameters”, International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, **Impact Factor: 6.452**, Volume 07 Issue 06, June 2017, Page 1-7, <http://indusedu.org>
- Kavita V. Wagh, Dr. Sudhir S. Kanade and Et al, “Implementation and Comparative Study of Tracking Methods for Human Tracking”, International Journal of Engineering Research in Computer Science and Engineering (IJERCSE), ISSN (Online) 2394-2320, Vol 5, Issue 2, February 2018, pp 48-52.
- Kavita Wagh and Sudhir S. Kanade, “Robust human tracking using harmonious polling tracker”, SN Applied Sciences, Springer Natur Journl (2019) 1:1227, <https://doi.org/10.1007/s42452-019-1219-4>.
- Kavita Wagh and Sudhir S. Kanade, “ A variable patch approach with polling mechanism for intelligent human tracking” , **Elsevier**, Computers and Electrical Engineering, Volume 91, May 2021, 107127. <https://doi.org/10.1016/j.compeleceng.2021.107127>

International Conference Proceedings:

- Kanade S. S. and Patil P.M., “ **Representative Frame Decoration using unsharp filter in video summarization**”, International Conference on Communications and Signal Processing (ICCSP) 2011, ISBN: 978-1-4244-9798-0 DOI: 10.1109/ICCSP.2011.5739389 , pp. 570 – 573, **IEEE 2011**.

- Sudhir S. Kanade, and P. M. Patil, "Lawn Tennis Tournament Classification Based On Dominant Play Field Color Analysis for Video Summarization", International Conference On Computational Intelligence And Computing Research (**2011 IEEE ICCIC**).
- Sudhir S. Kanade and Pradeep M. Patil, "Dominant Audio Energy Based Key Frame Extraction for Sports Video Summarization", International Conference on Advancements in Electronics and Power Engineering (ICAPEPE'2011), pp. 75-77, **Bangkok Dec., 2011**.
- Ashwina N. Patil, S. S. Kanade, and A. N. Holambe, "Link Protection for Dual Link Failure through Backup Path", International Conference on Engineering Innovation and Technology, **ISBN: 978-93-81693-77-3**, Nagpur, 1st July **2012**.
- Lagdive Kedar M., and Kanade Sudhir S., "Performance Comparison of Multicast Protocol SPBM, ODMRP and EGPM over MANET", 2nd International conference on Advances in Computer and Information Technology, **ISBN: 978-93-81583-89-08**, 30th April **2013**, Goa, pp. 129-136.
- Kavita V. Wagh, and Sudhir S. Kanade, "Survey on Human Detection and Tracking Techniques" , International Conference on Engineering and Technology (ICET -16), ISBN no- 978-1-5090-3213-6 Volume-1, page no. 104-108,
- Kavita V. Wagh, and Sudhir S. Kanade, "Comparative Study and Implementation of Kalman Filter and Particle Filter for Human Tracking" . International Conference on Engineering and Technology (ICET -16), ISBN no- 978-1-5090-3213-6 Volume-1, page no. 156-159.
- Kavita V. Wagh, and Sudhir S. Kanade, "Human Tracking using Template Matching Methodology", Proceedings of Technoarete International Conference, ISBN 978-93-86291-63-9, 11th June, 2017, Chennai, India.
- Kavita V. Wagh, and Sudhir S. Kanade , "Pedestrian detection using Integral Channel Detection and ADABOOST Algorithm", Fourth International Conference on Image Information Processing (ICIIP -2017), DOI: [10.1109/ICIIP.2017.8313745](https://doi.org/10.1109/ICIIP.2017.8313745), **IEEE** December 21 - 23, 2017, Jaypee University of Information Technology Waknaghat, District Solan, Near Shimla, Himachal Pradesh, INDIA.
- Sunena J. Rajenimbalkar, and Sudhir S. Kanade, "Music/Voice Separation Method Based on the Extraction of the Repeating Musical Structure with Linear Predictive Coding", International Journal of Research in Engineering, IT and Social Sciences, **ISSN 2250-0588**, **Impact Factor: 6.452**, Volume 08 Issue 05, **May 2018**, Page 201-214.

National Conference Proceedings:

- S. S. Kanade, K. K. Sudevan, and T. R. Sontakke, "Electroencephalogram classification through Fourier Transform", National Conference on Advances in Electronics and Telecommunication Engineering 2005 (**NCAETE-2005**), pp. 631-636.
- R. P. Shelkikar and S. S. Kanade, "License Plate Recognition of Vehicle Image using Segmentation", National Conference on Scientific and Engineering Computations-2008 (**NCSEC-08**), pp. 48-49.
- S. S. Kanade and P. M. Patil, "Key Frame Decoration for Video Representation in Video Summarization", National Conference on Nascent Trends in Information and Communication Technologies (**Equinox 2010**), pp76-80.
- Mr. Lagdive K. M. and Kanade S. S. "Modified and Scalable Multicasting over MANET", National Conference on Recent Trends in VLSI, Embedded System, Signal Processing and Communication, **2013**.

Other Information:

- Heading academic and administrative activities of Electronics Department from 20/05/2008.
- Membership of Professional Bodies: **ISTE, IETE and IEI**.
- **Chief Co-ordinator** for Two Days National Workshop on **Recent Advances in Microwave Engineering (NWRAME-2017)**.
- Worked as **Organizing Secretary** for **National Conference NCSEC-08**.
- Recognized **PG Teacher** in Electronics Engineering from Nov-2010.
- Worked as **Secretary** for **National Symposiums Weengs-10** and **Convener** for **Weengs-13** and **Co-convener** for **Weengs-14**.
- External Examiner for ME Dissertation examination at various colleges in University of Pune, Mumbai and Dr. BAMU Aurangabad.
- Resource person for workshop/Seminar.
- Worked as judge for National Symposium at College of Engineering, Ambajogai.
- Attended Short term training programs/workshops/Conferences/seminars.
- Worked as Subject Expert on Interview panel.
- Worked as Chaiman, LIC Committee in Dr. BAMU, Aurangabad.
- Experience of guiding projects/Dissertation work to PG and UG students.
- Worked as Digital Electronics and Computer Communication Labs In charge.

- Worked as 'Session Co-chairman' for NCAETE-05.
- Planned and organized Industrial visits for TE(E&TC) and BE(E&TC) students in Academic Years 2013-14 and 2014-15.
- Delivered a guest lecturer on, "Digital Image Processing", to Computer Science and Management Science students, Terna Mahavidyalaya, Osmanabad.

I certify that the information furnished above is true, complete and correct to the best of my knowledge and belief.

Date:

Place: Latur

Dr. Sudhir S. Kanade
HOD (EX)
Puranmal Lahoti Government Polytechnic
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