

Resume

Name: Dr. Sunil Sudam Morade

Post: Associate Professor

Institute: K.K.Wagh IEER, Nashik

Department: E and Tc

Date of Joining the Institution: 1/8/1989



Qualification:

Level	Class / Grade	% marks	Year	Institute
Under Graduate BE(Electronics)	Second	55	1989	College of Engg. Pravaranagar
GATE		88(Percentile)	1990	
Post Graduate MTech(Electronics)	First	69	1993	VNIT, Nagpur
Ph.D. (Electronics)	-	-	2016	SVNIT, Surat

6. Employment Record (Starting from present position)

Sr. No.	Designation	Institution / Organization	Period		Approval(PG Approval)
			From	To	
1	Asso. Prof	K. K. Wagh College of Engg.,Nashik	1/10/2010	Till date	-
2	Asst. Prof.	K. K. Wagh College of Engg.,Nashik	9/9/2005	30/9/2010	19/9/2008 1/9/2010(Perm.)
3	Sr. Lecturer	K. K. Wagh College of Engg.,Nashik	1/8/2000	8/9/2005	-
4	Lecturer	K. K. Wagh College of Engg.,Nashik	1/7/1994	01/8/2000	1/8/1996(Perm.) 94,95
5	Teaching Assist	K. K. Wagh College of Engg.,Nashik	1/7/1989	30/6/1993	-

Title of PHD: Analysis of visual lip features for digit reading

Area of Interest: Embedded system, Digital signal processing, Real time OS, Image processing, Electromagnetic, Antenna and wave theory

Experience:

Teaching: 24 years

Industry: 6 months

Paper Published:-

International:16

Papers presented in Conferences: International: 10

Professional Memberships: IETE (India), ISTE (India), IEI (India), IET

Number of PG project guided: 14

Consultancy Activities:

- i) Digital Signal Processor interface for 320F2812 processor and graphic display at Koger technology
- ii) File management system for USB port and SD card based on DSP Processor TMS32028377D at Koger technologies.

Grants fetched:

- I. UGC minor research project based on ‘**Desktop and telephone speech recognition**’
- II. UGC minor research project ‘**Creation of Indian still and video face database testing for testing face recognition and lip reading algorithm**’.
- III For workshop “**Design and Analysis of Modern Antennae**” from Pune University, 2016
- IV RPS AICTE “**Development of AI based Agrirobot for herbicide spraying**”

Book Published

Z80 Microprocessor Lab Workbook for YCMOU, Nashik

Project trainee in SIEMENS Nashik works, completed the project on **Development of test unit for 8097 based card**, 1993

Workshop attended:

- **Multimedia Communication** at IIT , Madras , 1996
- Winter school on **speech and audio** at IIT, Bombay ,2010
- **TMS 320c6713 DSP processor** at VIT ,Pune
- **Embedded system design** at COE Singhdad, Pune
- **Microcontroller design and development tools** at Singhgad COE, Pune
- **Wavelet** at Maharashtra academy of engineering Pune
- **Fundamental and advances in DSP** at Vishvakarma Institute of Technology, Chincholi, Nashik
- **Beagle Board Texas OMAP3530 DSP platform** at
- **Wavelet** at SGGS Nanded
- **Speech and Audio processing**, conducted by IIT Bombay, 2010.
- “**Outcome based accreditation- phase I and II** Govt. COE, Pune, 2013.

- **Antenna and Wave Propagation**” TE (E & Tc) Bharti Vidyapeeth’s college of Engg., Pune, Dec 2014.
- **Design, testing, performance evaluation & applications of Microwave Antennae 2016** STTP VIIT, Pune, 2016.

Project of Electronics Engg. For PG student as a judge at MIT COE, Pune, 2016

Project Exhibition of Electronics Engg. For PG student as a judge at AISSMS, Pune, 2015

Paper published:

A. Journals

- [1] Mrs Mayuri Joshi and S.S. Morade ” Interactive board using ARM processor”, IJSRP, vol.3 , Issue 1, Jan 2013.
- [2] S.S. Morade and Suprva Patnaik, “Automatic Lip Tracking and Extraction of Lip Geometric Features for Lip Reading”, *IJMLC 2013*, 3, 168-171, 2013.
- [3] S.S. Morade and Suprva Patnaik, “Visual Speech Recognition using Features of Lip and Effect of Database on Digit Recognition” , *IJAEE 2012*, 2, 128 -131, 2012.
- [4] S.S. Morade “Isolated English Language Digit Recognition Using Hidden Markov Model Toolkit”, International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Vol. 4, Issue 6, ISSN: 2277 128X, June 2014.
- [5] S. S. Morade , Suprva Patnaik, ”A novel lip reading algorithm by using localized ACM and HMM: Tested for digit recognition” *Elsevier Journal on Optik*, 125, 5181–5186, 2014.
- [6] S.S. Morade and Suprva Patnaik,” Lip Reading by Using 3-D Discrete Wavelet Transform with Dmey Wavelet ”, *IJIP*, 8, 384-396, 2014.
- [7] S.S. Morade and SuprvaPatnaik “Comparison of classifiers for lip reading with CUAVE and TULIPS database”, *Optik* 126 5753–5761, 2015.
- [8]Ganesh S. Pawar and S.S. Morade “Realization of Hidden Markov Model for English Digit Recognition”, International Journal of Computer Applications (IJCA), Vol. 98, Number-17, July 2014.
- [9] Ganesh S. Pawar and S.S. Morade “Isolated Digit Recognition Using Mathematical Tool Based On Hidden Markov Model”, *IJMTER* , 2015
- [10] Shweta Lokhande and S.S. Morade “Smart car parking system using FPGA and E-Application”, *IRJET*, 2016.
- [11] Shweta Lokhande and S.S. Morade “Smart car parking system using FPGA and E-Application”, International Research Journal of Engineering and Technology (IRJET), Vol. 3, Issue 1, 2016.

- [12] V.S. Dherage and S.S. Morade “Train control system using CAN protocol”, IRJET, 2016.
- [13] S.S. Morade and Suprva Patnaik ”Visual Lip Reading using 3D-DCT and 3D-DWT and LSDA” IJCA, Vol.136, 2016.
- [14] Harshali J. Shendge and S.S. Morade “Designing the SD Card Device Driver for File Management of DSP based CNC Machine” IJSU, 2017.
- [15] M. Thombre and S.S. Morade , “Analysis of File Conversion Program used for CNC Machine “ , IRJET, 2019
- [16] D. Dhikle and S.S. Morade “SD Card Based File System for CNC Machine using TMS320F2837xD Processor”, IRJET, 2018.

B. Conferences

- [1] S.S. Morade and Suprva Patnaik,”Visual Speech Recognition using Features of Lip and Effect of Database on Digit Recognition”, *ICACEEE 2012*, page no. 456 – 459, 25-27 March 2012 , Bombay, India.
- [2] S.S. Morade and Suprva Patnaik, ”Automatic lip tracking and extraction lip geometric features for lip reading International conference on electronics computer technology”, *ICECT 2012* Vol. 1, page no 73 -76, 6-8, April 2012, Kanyakumari ,India.
- [3] S.S. Morade and Suprva Patnaik, “Evaluation of BPNN and KNN classifiers for lip reading” *ICDIP 2013*, Bangalore, 2013.
- [4] S.S. Morade and Suprva Patnaik,“Lip Reading Using DWT and LSDA” *IACC 2014*, IEEE international,1013-1018, 2014.
- [5] S.S. Morade and Suprva Patnaik,” A Genetic Algorithm-Based 3D Feature Selection for Lip Reading” *ICPC 2015*, pune, 2015.
- [6] Pritika N. Dherange and S.S. Morade “Maintain Boiler Temperature and Level Detection in Dairy Industry.” *ICRTESSM-2017*, 2017.
- [7] Nisha Gosavi and S.S. Morade “USB File Handling System for CNC Machine Using Dual Core DSP Processor” *ICRTESSM-2017*, 2017.
- [8] M. Thombre and S.S. Morade “CNC Machine Simulation using Dual Core Processor TMS320f2837xd” sensing, communication and network, Nashik, 2019
- [9] D. Dhikle and S.S. Morade “SD Card Interface for CNC Machine using Dual Core DSP Processor” sensing, communication and network conference ,IETE Nashik, 2019
- [10]N. Jagtap,D. Bharti, P.Shinde, S. Morade, “Agrobot”, sensing, communication and network conference ,IETE Nashik, 2019

