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	Year	Institute
Under Graduate BE(Electronics)	Second	1989	College of Engg. Pravaranagar,
Post Graduate MTech(Electronics)	First	1993	VNIT, Nagpur
Ph.D.	-	2016	SVNIT,Surat

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

Experience:

Teaching: 22 years   **Industry:** 6 months

Paper Published:-   International:12

Papers presented in Conferences: International: 5

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

Consultancy Activities: Digital Signal Processor interface and graphic display at Koger technology

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'**.

Book Published
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, 2007.

- **Emerging trends in embedded systems** MES COE, Pune, 2007.

- **Exploring RTOS (μCOSII) MIT, COE Pune, 2007.**

- **Fundamental and advances in DSP** at vishvakarma institute of technology, Chincholi, Nashik, 2008.

- **Beagle Board Texas OMAP3530 DSP platform** at MIT ,Pune, 2009.

- **Wavelet** at SGGS Nanded

- **Speech and Audio processing,** 2010 conducted by IIT Bombay

- **Antenna and Wave Propagation**" TE(E & Tc) Bharti Vidyapeeth's college of engg., Pune, Dec 2014.

- "**Outcome based accreditation- phase I and II** Govt. COE, Pune, 2013

Project Exhibition 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", international Journal Of Modern Trends In Engineering And Research (IJMTER) Volume 2, Issue 7, [July-2015] Special Issue Of ICRTET'2015.

[10] 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.

[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, VOL. 3, 1, Jan 2016.

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*, Banglore, 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.