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## CURRICULUM – VITAE

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***Prof. Sharanappa. Vaijinath Halse,***

**M.Sc., M.Phil, Ph.D., E.D.P. & C.M.**

**VICE - CHANCELLOR  
DAVANGERE UNIVERSITY  
SHIVA GANGOTRI,  
DAVANGERE – 577 007**

# Curriculum Vitae

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## Prof. Sharanappa Vaijinath Halse

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- 1. Designation:** Vice – Chancellor  
Davangere University  
Shiva Gangotri  
Davangere - 577 007
- 2. Date of Birth and Place:** 05-06-1962 Jaigaon Village, Tq: Bhalki
- 3. Residential Address:** Vice-Chancellors' Bungalow  
University Fine Arts College Campus  
M.C.C 'B' Block, Davangere – 577004.  
Karnataka, INDIA  
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**Phone:** +9972083580, 7259472611 (M)  
08192-208444 (Off)

- 4. Religion:** Hindu (Lingayath)
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### 5. Academic Qualification:

Qualification	University	Year of Award	Class Obtained
Ph. D.	Gulbarga University, Gulbarga	2003	---
M. Phil.	Gulbarga University, Gulbarga	1997	1 <sup>st</sup> Class
M.Sc. (Applied Electronics)	Gulbarga University, Gulbarga	1987	1 <sup>st</sup> Class, 3 <sup>rd</sup> Rank
B. Sc.	Gulbarga University, Gulbarga	1985	1 <sup>st</sup> Class
E.D.P & Comp. Management	Bharatiya Vidya Bhavan Bombay	1988	2 <sup>nd</sup> Class

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## 6. Experience:

Sl. No	University/College Name	Designation	Period	
			From	To
1	Davangere University, Shivagangotri, Davangere.	<b>Vice – Chancellor</b>	26.03.2018	Till Date
2	Davangere University, Shivagangotri, Davangere.	<b>Registrar (Administration)</b>	04.02.2017	26.03.2018
3	Karnataka State Women's University Bijapur	<b>Professor</b>	01.12.2016	03.02.2017
4	Gulbarga University, Gulbarga, Kalburgi	<b>Registrar (Administration)</b>	22.11.2016	30.12.2016
5	Karnataka State Women's University Vijayapura	<b>Professor</b>	07.12.2015	21.11.2016
6	Gulbarga University, Gulbarga	<b>Registrar (Evaluation)</b>	18.02.2013	07.12.2015
7	Karnataka State Women's University, Bijapur	<b>Dean, Chairman Professor</b>	16.07.2007	15.02.2013
8	Sharanabasaveshwar College of Science, Gulbarga	<b>SGL</b>	25.11.2000	15.07.2007
9	Sharanabasaveshwar College of Science, Gulbarga	<b>Senior Lecturer</b>	25.11.1995	25.11.2000
10	Sharanabasaveshwar College of Science, Gulbarga	<b>Lecturer</b>	25.11.1987	25.11.1995

**7. Teaching Experience:**

- 1) PG & UG 30 Years
- 2) As Guest Lecturer in PGDCA 14 Years
- 3) As Guest Lecturer in M.C.A 2 Years
- 4) B.E (Electronics) as Lecturer 1 Year

**8. Research Experience:**

- 1) 26 years
- 2) 20 M.Phil. Students
- 3) 08 Ph. D. Students
- 4) Professor of Electronics 16/7/2007
- 5) Chairman, Dept. of Electronics 16/7/2007
- 6) Dean, Faculty of Science and Technology 16/7/2007
- 7) Member of the Academic Council 16/7/2007
- 8) Member of the Syndicate 22/1/2010 to 23/1/2011
- 9) Director, IQAC 2009-2013
- 10) **Executive Council Member**
- 11) Instrument Society of India, Indian Institute of Science, Bangalore. From 2004-2008.

**9. Name of Referees**

- : 1) Prof. Karisiddappa  
Vice - Chancellor  
Visvesvaraya Technological University (VTU)  
Jnana Sangama, Belagavi – 590 018 Karnataka.
- 2) Prof. B. P. Veerabhadrappe  
Vice - Chancellor  
Kuvempu University, Jnana Sahyadri  
Shankara Ghatta, Shimogha – 577 451 Karnataka.

#### **10. Name of Ph. D. Students awarded Ph. D. Degree:**

- 1) Mahommad K. Bammanalli
- 2) Smt. Rajeshwari Mathad
- 3) Smt. Maheshwari Hiremath
- 4) Girija M Nimbale
- 5) Smt. S. B. Jagadale
- 6) Mallikarjun Chalawadi
- 7) Smt. Rafiya Begum
- 8) Smt. B. Jyoti
- 9) Smt. Nagamma (Submitted Thesis)

#### **11. No of Students Pursuing for Ph. D.:**

- 1) Smt. Mahanada Math
- 2) Smt. Shilpa
- 3) Saraswati B
- 4) Vismita Patil
- 5) Manohar N
- 6) C. M. Arun Kumar

#### **12. Membership of various Academic Bodies:**

1. Chairman, Selection Committee for Siddhartha Engineering College Vijayawada from UGC, New Delhi.
2. Committee member for Rabindranath Tagore Award for Peace and Harmony.
3. Chairman, Department of Electronics, Karnataka Women's State University from 16.07.2007 to 16.02.2013 and 01.01.2016 to 04-02-2017.
4. Dean, Faculty of Science and Technology, Karnataka State Women's University from 01.08.2007 to 16.02.2013.
5. Member of the Academic Council from 16.07.2007 to 16.02.2013.
6. Member of the Syndicate from 24.01.2010 to 23.01.2011.
7. Director, IQAC from 2009 to 2013.
8. Chairman BOS and BOE, Department of Electronics, Karnataka State Women's University.
9. Member, BOS and BOE of Various other Universities in and outside KARNATAKA.
10. Member, Board of Appointment Committee in Karnataka State Women's University, Vijayapura, Gulbarga University, Gulbarga and Nagpur University, Nagpur.
11. Member of the Governing Council of Instrumentation Society of India, IISc, Bengaluru from 2004 to 2008.

### **13. Academic Visit to Foreign Universities:**

1. University: University of Salford, Manchester, January 22-24, 2020. MOU related to i) Collaboration research, ii) Staff interaction and iii) Faculty training.
2. To promote Davangere University in Global Education Fair at UAE. (Other Nations Participated – Australia, USA, Austria, France, India, Canada, Egypt, Italy, Ireland, New Zealand, Russia, Switzerland, Thailand and UAE).

### **14. List of *Research Papers* Published/Submitted for Publication by the Author:**

1. “Object Detection Algorithm for Real time Embedded Systems”, INTERNATIONAL JOURNAL of Advanced Electrical and Electronics Engineering (IJAE)-ISSN(Print ):2278-8948 Volume-2-Issue 6, 2013.
2. Survey Of Object Detection Approaches On Embedded Platform, International Journal of Recent Advances in Engineering & Technology (IJRAET), ISSN (Online): 2347 - 2812, Volume-2, Issue -11, 2014
3. Efficient Approach For Color Image Segmentation On Embedded Processor, International Journal of New Technologies in Science and Engineering(IJNTSE), (Online):ISSN 2349-0780, Vol. 1, Issue 1,Jan 2014, Web site: [www.ijntse.com](http://www.ijntse.com) Link: <http://ijntse.com/papers.php?sid=9&cid=4>
4. Name Plate Recognition For Real Time Application, International Journal Of Engineering Research in Electronics and Communication Engineering (IJERECE)-2016 (Tirupathi conference-ICASET-16,ISBN:978-81-932966-0-8)
5. Image Fusion in Real Time System, International Journal of Electrical, Electronics and Computer Systems (IJEECS) ISSN (Online): 2347-2820, Volume -1, Issue-2, 2013
6. A Novel Approach For Pick and Place Robot in Real Time Embedded System, International Journal on Advanced Computer Theory and Engineering (IJACTE) ISSN (Print): 2319-2526, Volume -3, Issue -6, 2014
7. A Comprehensive Survey of Digital Image Processing Techniques from the Perspective of Embedded Computing Environment
8. Fuzzy Logic Controllers of Radar Applications, A. B. Kulkarni, S. V. Halse, C. S. Parvati and R. R. Mudholakar, Accepted in Progress in Electromagnetics Research Symposium (PIERS), July 1-5, 2002 Cambridge, MA, USA.

9. Fuzzy Controlled Phase Locked Loop, S.V.Halse, A. B. Kulkarni, S.R.Sawant and R. R. Mudholakar, Journal of the Institution of Electronics and Telecommunication Engineers Vol.20(1),January-February 2003.PP 23-31, IETE Technical Review.
10. Ensuring Cache Freshness Using Dynamic Source Routing Protocol Mahammad K Bammanalli and S.V.Halse, Journal of computer and Mathematical Sciences. An International Research Journal. VOL 1(1) December 2009- PP 81-86.
11. Ensuring Cache Freshness Using Dynamic Source Routing Protocol Mahammad K Bammanalli and S.V.Halse Journal of Computer and Mathematical Sciences Vol 1 December 2009
12. Some Studies on Fuzzy Logic Controller by Dr.S.V.Halse Lab Experiments Vol-4 No – 1 March 2004
13. Upgrading of Route Cache in DSR Protocol by Predicting efficient Communication Distance among Nodes. Mahammad K Bammanalli and S.V.Halse International Journal of Computer Science, System Engineering and Information technology, December 2010, issue of the journa **Published By: Serials Publications ISSN: 0974-5807**
14. Network Adaptive Caching Strategies for the Dynamic Source Routing Protocol Mahammad K Bammanalli and S.V.Halse Journal of Computer and Mathematical Sciences. Ol 1, Issue7, December, 2010.ISSN: 0976-5727
15. Network Adaptive Cching Strategies for the Dynami Source Routing Protocol Mahammad K Bammanalli and S.V.Halse Journal of Computer and Mathematical Sciences Vol.1, Issse 7,31 December, 2010
16. Upgrading of Route Cashe in DSR Protocol by Predicting Efficient Communication Distance among Nodes Mahammad K Bammanalli and S.V.Halse International Journal of Trade in Services, 2(1) Jan – June 2010.
17. “Studies on Active Filters Using OTA-C and Other Current Conveyors” R.S.Mathad, M.M.Mutsaddi and S.V.Halse International Journal of Advanced Computer and Mathematical Sciences ISSN 2230 – 9624 Vol 2, Issue 3, 2011, pp 155-159
18. “Paper on Aspect – Oriented Programming with aspect J Programming Approach S.V.Halse and S.D.Patil Journal of Computer and Mathematical Sciences Vol.2, Issue4, 31August, 2011 pages (637-646) ISSN 0976 – 5727
19. “Paper on Aspect – Oriented Software Development and its Usage S.V.Halse and S.D.Patil Journal of Computer and Mathematical Sciences Vol.2, Issue4, 31August, 2011 pages (647-660) ISSN 0976 – 5727

20. "Wi-Fi(802.11) Security Issues and its Solution" D.M.Gharge and S.V.Halse International Journal of Computer Science and Communication Volume -2 Number – 2 July – December 2011 ,ISSN: 0973-7391
21. "Hand Written Character Recognition" S.V.Halse and Maheshwari .S.Hiremath International Journal of Computer and Mathematical Sciences Volume 3, Issue 129 February pages (1-130) ISSN 0976-5727
22. Fuzzy Logic Inductance Simulation (FLIS), S.V.Halse, A.B.Kulkarni, S.R.Sawant and R.R.Mudholakar, Journal of Institutions of Electronics and Telecommunication Engineers (Communicated).
23. Fuzzy Logic Choke Design Algorithm (FLCDA), D.M.Panhalkar, R.R.Mudholakar, S.R.Sawant, A.B.Kulkarni, S.V.Halse and C.S.Parvati, Research Journal of the Institution of Electronics and Telecommunication Engineers (Communicated)
24. Fuzzy Logic PID Controller for DC Micromotors, S.V.Halse, C.S.Parvati, P.Bhaskar, A.B.Kulkarni, S.R.Sawant and R.R.Mudholakar, IOS Press, Amsterdam (Communicated).
25. Design and Development of PC-based Fuzzy Logic Temperature Controller and Comparative Study of Fuzzy Logic Controllers with Tuned PID Controllers,S.V.Halse, C.S.Parvati, P.Bhaskar, A.B.Kulkarni, S.R.Sawant and R.R.Mudholakar, Asian Journal of Physics (Communicated).
26. Fuzzy Logic Inductance Simulation (FLIS), S.V.Halse, A.B.Kulkarni, S.R.Sawant and R. R. Mudholakar, Journal of Institutions of Electronics and Telecommunication Engineers (Communicated).
27. Fuzzy Logic Choke Design Algorithm (FLCDA), D.M.Panhalkar, R.R.Mudholakar, S. R. Sawant, A. B. Kulkarni, S. V. Halse and C. S. Parvati, Research Journal of the Institution of Electronics and Telecommunication Engineers (Communication)
28. "Dc motor control using fuzzy logic techniques," Girija.M.Nimbal, S.V.Halse, J. Comp. & Math. Sci. vol.3 (3), 248-257 June 2012.
29. "Simulation of Piezoelectric Converter for Energy Harvesting" G.M.Nimbal,& S.V.Halse Journal of Computer and Mathematical Sciences Vol.3,382-389(2012) ISSN 0976-5727
30. "Design of OTA – Active Low Pass Filter Using Multiple OTA's" R. S. Mathad, M. M. Mutsaddi and S. V. Halse International Organization of Scientific Research.
31. "Modeling and Simulation of electrostatic Micro Actuator Cantilever in Pull-In voltage" Girija M. Nimbal and S. V. Halse AARJSH Vol-1, Issue 2 (September – October 2012 ) ISSN: 2319-2801.



32. "Simulation of Eigen Frequency Using Vibrating String" Girija M. Nimbale & S. V. Halse  
An International Research Journal of Electrical Electronic Engineering and Telecommunications Vol 2, No. 1, January 2013 ISSN 2319 – 2518.
33. "Simulation and Optimization of Fuzzy Logic Inductance Active Filters" Rafia Begum, Girija M. Nimbale & S. V. Halse Journal of International Academic Research for Multidisciplinary RANGARAJAPURAM, CHENNAI Vol 1, Issue 2, March 2013 ISSN-2320-5083.
34. "Fuzzy Neural Network Modeling and pH Value Control in the Clarifying Process of Sugar Cane Juice" Rafia Begum, Girija.M.Nimbale & S.V.Halse International Journal of Electrical and Electronic Engineering & Telecommunications.Vol2, No.2, April 2013 ISSN 2313-2518.
35. "Analysis and Modelling of Thermal Actuator Using Comsol Multiphysics" Girija M.Nimbale, B.Joythi and S.V.Halse International Journal of Nanoscience and Nanotechnology ISSN 0974-3081 Volume 4, Number 2(2013) pp 175-180
36. Induction motor modeling using fuzzy logic (FI) speed controller, Rafia Begum, Zakeer.Motibhai,Girija. M. Nimbale and S.V. Halse J. Comp. & Math. Sci. Vol.4 (2), 118-125 (2013).
37. "Modeling and Simulation of Thermal Actuator Using Polysilicon Material Girija.M.Nimbale, S.V.Halse , Naziya, Firdous G. Suvarna and B.Joythi Journal of Pure Applied and Industrial Physics Vol. 3(3),June 20 ,2013ISSN 2229-7596.
38. Active Filters Using OTA –C in Transducer Measurements R.S.Mathad, M.M.Mutsaddi and S.V.Halse National Symposium on Instrumentation (NSI – 35) 7<sup>th</sup> to 9<sup>th</sup> January 2011. VTU, Belgaum.
39. "Studies on Active Filters Using OTA-C and Other Current Conveyors" R.S.Mathad, M.M.Mutsaddi and S.V.Halse International Journal of Advanced Computer and Mathematical Sciences ISSN 2230 – 9624 Vol 2, Issue 3, 2011, pp 155-159
40. "Design of OTA – Active Low Pass Filter Using Multiple OTA's" R.S.Mathad, M.M.Mutsaddi and S.V.Halse International Organization of Scientific Research.
41. "Interfacing 8051 Microcontroller with LCD Using Multisim Simulator S.B.Jagadale and S.V.Halse International Journal of Computer and Mathematical Sciences Received on date October 18, 2012 ISSN 0976-5727.
42. Design of OTA-C notch filter in MHz frequency range, R.S.Mathad, M.M.Mutsaddi, Girija. M.Nimbale Manjula B. Kateri and S.V.Halse, vol 10 issue 3 Issn no-2278-800X, March 2014.

43. Embedded Based ADSL Modem Monitoring System S. B. Jagadale & S.V. Halse  
International Journal of Electrical, Electronics and Telecommunication Engineering  
(Recent Science Publications Archives)ISSN: 2051-3240 Vol.Issue August 2014.
44. Three input-One output fuzzy logic control of washing machine. Suda Hatagar, S.V.Halse  
International Journal of scientific Research engineering and technology ISSN 2278-0882  
Vol-1 January 2015.
45. Simulating MATLAB rules in fuzzy controller based washing machine International  
journal of emerging trends in science and technology. Vol-2 issue 7 Page 2796-2802 ISSN  
2348-9480 July 2015
46. Non Linear Load Simulation for Power Quality Control Using Fuzzy Controller Rashmi  
Nagathan, S.V.Halse, Deepa Teli ISSN 0976-3031.JAN 2015
47. An Efficient and Economical Embedded- Based Missile Launch S.B.Jagadal & S.V.Halse  
Journal of Computer and Mathematical Sciences Vol,6(11)598-603 November 2015 ISSN  
0976-5727.
48. Simulink Modeling for Liquid Level Control using Fuzzy Logic Controller.  
.shilpa.s.sindageri and S.V.HALSE International Journal of scientific Research  
engineering and technology ISSN 2278-0882 Vol-4 issue 2 Feb 2015.
49. Analysis, Modeling and simulation of Fixed Beam Cantilever Using frequeng, B.Jyothi,  
G.M. Nimbale. S.V.Halse. international journal of Engineering Research in Electrical &  
Electronic Engineering Vol.1, Issue 9<sup>th</sup> November 2015
50. Design and Simulation of MEMS microgripper Piezoelectric Actuator using Lead  
Zirconate Titanate (PZT-5A) Material Girija.M.Nimbale, S.V.Halse International Journal  
of Advanced Research in Electrical, Electronics and Instrumentation Engineering  
IJAREEIE(Accepted).Vol.5 issue 8<sup>th</sup> August 2016.
51. Modeling and simulation of thermal bimorph SENSOR Using Comsol. S.V.Halse, &  
Jyothi. International Journal of Electronics and communication Engineering and  
Technology [IJECET] Volume 8, Issue 2, March & April 2017 PP.67-74.
52. Design of a Microcantilever for Biosensing applications. Shilpa Nagod and Dr.S.V.Halse  
International Journal of Engineering Trends and Technology [IJETT] volume 52 number 2  
October 2017.
53. Evolution of MEMS Technology. Shilpa Nagod and S.V.Halse International Research  
Journal of Engineering and Technology [IRJET] Volume : 04 Issue 12 /December 2017.  
E-ISSN:2395-0056. P-ISSN:2395-0072

54. Image De-Noising Using Wavelet Transform. M.M. Puranik and S.V. Halse international Journal of Creative Research Thoughts [IJCRT] Volume 6, Issue 2 April 2018 ISSN number 2320-2882.
55. A Review Paper: Study of Various Types of Noises in Digital Images. M.M. Puranik<sup>1</sup> and S.V. Halse, International Journal of Engineering Trends & Technology [IJETT] Volume 57, Issue 1 March 2018 ISSN number 2231-5381.
56. Synthesis Characterization And Optical Properties Of Conducting Polyaniline Doped With MgO Nanocomposites. Girija M Nimbale., Prof. Anand Kulkarni., Prof. S.V. Halse. Journal of Emerging Technologies and innovative Research (JETIR) Volume 5, Issue 09<sup>th</sup> September 2018 ISSN Number – 2349-5162.
57. Synthesis Characterization and Optical Properties of conducting Polyaniline Doped With MgO Nanocomposites. Dr. Girija M Nimbale., Prof. S.V. Halse. Journal of Emerging Technologies and innovative Research (JETIR) ISSN No: 23495162 UGC Serial No: 63975, 23<sup>rd</sup> September 2018.
58. Hybrid Bi-spectrum Multi frame Blind Deconvolution Algorithm for under water image reconstruction. Mrs. Nagamma Prof. S.V Halse Journal of Emerging Technologies and innovative Research (JETIR) ISSN No: 2349-5162 Volume 6, Issue 3, March 2019.
59. Modeling and Analysis of Thermal Flexure Actuator Using COMSOL Multiphysics, Girija M. Nimbale, S. V. Halse, R. S. Mathad, B. Jyoti, and Rafia Begum, International Journal of Computer and Electrical Engineering, 6 (4) 294 , Aug 2014.
60. The Smart Car Parking System Using GSM and LabVIEW, Rafiya Begum and S. V. Halse, Journal of Computer and Mathematical Sciences, 9(2), 2319-8133 (Online), ISSN:0976-5727 (Print). Feb 2018.
61. Implementation of Fuzzy Logic for Smart Home Automation Using Lab VIEW Lab, 2319-8133, ISSN: 0976-5727. Rafiya Begum and S. V. Halse, Journal of Computer and Mathematical Science 9 (9), 2319-8133, September 2018.
62. Under Water Enhancement and Restore Using MATLAB, Nagamma, S. V. Halse, The International journal of analytical and experimental modal analysis, ISSN: 0886-9367, 11, 1197, October, 2019.
63. Paper titled "A review paper: Study of Various Types of Noises in Digital Images" published in - International Journal of Engineering Trends and Technology (IJETT) - volume 57, number1 - March 2018.
64. Paper titled "Image De-noising using Wavelet Transform" published in - International Journal of Creative research thoughts (IJCRT)- volume 6, issue 2 April 2018.

65. A Review on Radiofrequency Ablation Techniques for Hepatocellular Carcinoma, Shilpa Nagod and S.V Halse, International Journal of Advanced in Management, Technology and Engineering Sciences Volume 8, Issue II, Feb 2018, pp 746-748,
66. A Simulation Study on Radiofrequency Ablation of Hepatocellular Carcinoma, Shilpa Nagod and S.V Halse, International Journal of Management, Technology And Engineering, Volume 8, Issue VIII, August 2018, pp 884-887.
67. A Review on Microwave Ablation Technique for Hepatocellular Carcinoma, Shilpa Nagod and S.V Halse, International Journal of Engineering Research and Applications, Vol. 8, Issue 9 (Part -I) Sep 2018, pp 40-44.
68. Drug Delivery Systems for the Treatment of Cancer - A Review, International Journal of Scientific Development and Research (IJSDR), Shilpa Nagod and S.V Halse, December 2018 Volume 3, Issue 12, pp 308-311.
69. A Study On Development Of Mems In The Field Of Medicine, Shilpa Nagod and S.V Halse, International Journal Of Scientific Research (IJSR) Volume-7 | Issue-12 | December-2018 | ISSN No 2277 – 8179, pp 401-403.
70. A Simulation Study of Microwave Ablation with Single Slot, Double Slot and Multi-slot Coaxial Antenna for the Treatment of Hepatocellular Carcinoma, Shilpa Nagod and S.V Halse, International Journal of Management, Technology And Engineering, Volume IX, Issue III, March 2019 Page No: 1045-1053.
71. Design and Simulation Study of Dual Slot Antenna for Microwave Ablation of Hepatocellular Carcinoma, Shilpa Nagod and S.V Halse, Journal of Emerging Technologies and Innovative Research (JETIR) February 2019, Volume 6, Issue 2, pp 14-20.
72. A Review on Drug Eluting Stents in Treating Hepatic Artery Stenosis Post Liver Transplantation, Shilpa Nagod and S.V Halse, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 7 Issue VI, June 2019, pp 1993-96.
73. MEMS Based Microneedles in the Field of Drug Delivery, Shilpa Nagod and S.V Halse, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-4, 2863, February 2020.
74. Design and Simulation Study of Coated Microneedle- A Mems Application For Drug Delivery, Shilpa Nagod and S.V Halse, Journal of Xi'an University of Architecture & Technology, Volume XII, Issue II, page 16, 2020 Issn No : 1006-7930.
75. [A Performance Study of GPU, FPGA, DSP, and Multicore Processors For Embedded Vision Systems, ITSJ Transactions on Electrical and Electronics Engineering \(ITSEEE\) ISSN \(PRINT\) : 2320 – 8945, Volume -3, Issue -5,6 2015](#)

76. Fuzzy Logic Speed Control System (FLSCS) for DC Motors, S.R. Sawant, R. R. Mudholakar, S. V. Halse, A. B. Kulkarni, T. B. Mohite Patil and G.G. Tengahse. Journal of the Instrumental Society of India, 31(2), 2001 pp-87-99.

### **15. Proceedings in International and National Conference/Workshops:**

1. Fuzzy logic Controllers for Various Applications, Dr. A. B. Kulkarni, Dr. C.S.Parvati, and Dr. S. V. Halse. Proceedings of National Workshop on Integrated Academics, Gulbarga University, Gulbarga (Feb. 26-27, 2001).
2. Comparative Study of Frequency Multiplier using PLL NE 565 with Fuzzy Logic Frequency Multiplier based on NE 565, S.V.Halse, C. S. Parvati, P. Bhaskar, A. B. Kulkarni, S. R. Sawant, R. R. Mudholakar, Proceedings of National Symposium on Instrumentations (NSI-26) Instrument Research and Development Establishment, Dehradun, Oct. 31-Nov.2, 2001.
3. Comparative Study of Fuzzy Logic Controllers and Tuned PID Controllers, C.S.Parvati, P.Bhaskar, S.V.Halse, A.B.Kulkarni, S.R.Sawant and R.R.Mudholakar, Proceedings of Second International Conference on Theoretical, Applied Computational and Experimental Mechanics (ICTCM-2001), Aerospace Engineering Department, Indian Institute of Technology Kharagpur (Dec. 27-30, 2001.)
4. Network Cache Updating For Dynamic Source Routing Protocol, Mr. Mahammad K. Bammanalli and Dr. S.V. Halse, Recent Trend In Computer Science And Information Technology (RTICSIT-09) 8<sup>th</sup> – 9<sup>th</sup> May 2009, Bidar (Karnataka).
5. Emerging Trend in Wireless Communication, S.V.Halse & D.M.Gharge, New Trend in Computer Science (NCNTCS 2010) Swami Vivekanand Mahavidyalaya Udgir 26<sup>th</sup> & 27<sup>th</sup> Feb 2010. (Page no.111-113)
6. Qualities of e-Learning and its Universal Effects. S.V.Halse & M.G.Gururde, New Trend in Computer Science (NCNTCS 2010) Swami vivekanand Mahavidyalaya Udgir 26<sup>th</sup> & 27<sup>th</sup> Feb 2010. (Page no.114-119)
7. Full Integrated OTA Low Pass Filter Design using Jacobi Method R.S.Mathad, M.M.Mutsaddi and S.V.Halse proceedings of international conference on instrumentation (ICI-2009), (NSI-34), 21-21 January 2010.
8. Implementation of Dual Mass Gyroscope". G.M.Nimbal, S.V.Halse, S.K.Padaganur, R.B.Sheeparmatti National Conference on Advances in Mechanical Engineering 2010 Jawaharlal Nehru National College of Engineering 24 25 September 2010 Shimoga.

9. Comb-Drive Actuator Simulation Using Coventorware G.M.Nimbal, S.V.Halse, R.B.Sheeparmatti International Conference on Nano Technology Material and composites for Frontier Applications in Bharati Vidyapeeth Deemed University 14<sup>th</sup> 15<sup>th</sup> October 2010 Pune.
10. Technology Mediated Learning for Professional Development Raghavendra Gurujal, Murgendra B Wali and S.V.Halse National Conference on JSS college of Education and PG Center in Education. 20 and 21 August 2010.
11. Data Mining Techniques in Computer Aided diagnosis (CAD) Raghavendra Gurujal, S.V.Halse National Conference on Emerging trends NCEVENT 2011 Jan 27<sup>th</sup> and 28<sup>th</sup> 2011 Channi
12. WIBRO Emerging trends in Wireless communication S.V.Halse and D.M.Gharge National Conference on New Trends in computer Science s26 -27 February 2010. Swami Vivekananda Mahavidyalaya Udgir
13. Qualities of e – Learning and its Universal Effects S.V.Halse and M.G.Gurude National Conference on New Trends in computer Science s26 -27 February 2010. Swami Vivekananda Mahavidyalaya Udgir
14. Digital Communication and its Applications Dr. S.V.Halse UGC Sponsored National Seminar Recent Trends in Digital Communication RTDC – 2010 Saturday 13<sup>th</sup> March 2010 Nevjabhi Hitkarini College Chandrapur.
15. Network cache updating for Dynamic Source Routing protocol Mahammad K Bammanalli and S.V.Halse International Conference on Intelligent Information Systems and Management (IISM'2010), June10-12, 2010.ISBN-978-1-4507-2041-0 © by CiiT 2010 Published by Coimbatore Institute of Information Technology
16. Upgrading of Route Cache in DSR Protocol by Predicting efficient Communication Distance among Nodes. . Mahammad K Bammanalli and S.V.Halse Control Instrumentation System Conference (CISCON MIT- 2010) on 12<sup>th</sup> & 13<sup>th</sup> November, 2010 Manipal Institute of Technology (A constituent Institution of Manipal University).
17. Active Filters Using OTA –C in Transducer Measurements R.S.Mathad, M.M.Mutsaddi and S.V.Halse National Symposium on Instrumentation (NSI – 35) 7<sup>th</sup> to 9<sup>th</sup> January 2011. VTU, Belgum
18. Effective Use of E – Learning Technologies For Professionals of Library Science S.V.Halse and M.G.Gurude National Conference on Emerging Trends in Biological and Information Sciences March 4 and 5 2011. Swami Vivekananda Mahavidhyalaya, Udgir.

19. "MEMS Based Microcantilevers and Its application" G.M.Nimbal, S.V.Halse, R.B.Sheeparmatti International Conference on DRDO Sponsored 8<sup>th</sup> Control Instrumentation System Conference CISCON-2011 November 3-6, 2011 PP523-525.
20. "Study of Fringe effect on a Microcantilever and Development of Simulink Model for Electrostatic Microcantilever", R. B. Sheeparmatti, S. V. Halse, K. M. Vinayaka Swamy, G. Ravi Prakash, and B.G. Sheeparmatti IEEE 9<sup>th</sup> International Workshop on Nanomechanical Sensing 2012 June 6<sup>th</sup> to 8<sup>th</sup> 2012 IIT Mumbai, India.
21. "Study of Pull-in Voltage using ANSYS and COMSOL R. B. Sheeparmatti, S. V. Halse, K. M. Vinayaka Swamy, Shivashankar. A. Huddar, and B. G. Sheeparmatti IEEE 9<sup>th</sup> International Workshop on Nano mechanical Sensing 2012 June 6<sup>th</sup> to 8<sup>th</sup> 2012 IIT Mumbai, India.
22. "Modelling and Simulation of MEMS Energy Harvester" International Conference On NANCON 2012 Barshi Vidya Peta University Pune October 18<sup>th</sup> & 19<sup>th</sup> 2012.
23. "Modeling of Eigen frequencies and Mode Shapes of an Axisymmetric Free Cylinder" Girija. M. Nimbal, S.V. Halse National Conference on Emerging Trends in Engineering and Management on 1<sup>st</sup> and 2<sup>nd</sup> March 2013 at PESITM Shivamoga.
24. "Modeling and simulation of Piezoelectric actuator based cantilever beam using the piezoelectric devices" Girija. M. Nimbal S.V. Halse 6<sup>th</sup> Annual conference on Science and Technology for Promoting Innovative Research and Development (KSTA) at Christ University Bangalore 560029 20-21 December 2013.
25. Modelling and Analysis of Thermal Flexure Actuator Using COMSOL multiphysics Girija.M.Nimbal, S.V.Halse 6<sup>th</sup> International Conference on Computer Engineering and Technology (ICCET) vol 5.no.4 aug 2014.
26. The Study of Flexure Comb Drive Actuator Using Comsol Multiphysics Girija.M.Nimbal, S.V.Halse 7<sup>th</sup> National Womens Science Congress, 7-9<sup>th</sup> November 2014, Vijayapur.
27. Object Tracking In Real Time Embedded System Using Image Processing, IEEE CONFERENCE (SCOPE) Proceedings ISBN:CFP16H12-PRT/978-1-5090-4619-5-2016
28. Filter Based Approach Image Preprocessing In Real Time Embedded System, PROCEEDING OF: International Conference on Recent Innovations in Engineering and Technology (ICRIET-2K16) ISBN:978-93-86163-56-1. Accepted for SCOPUS INDEXED JOURNAL
29. A Comprehensive Study of Image Restoration Technique for Embedded System Application, International Conference on Advanced Materials & Technologies (ICAMT)-

2016 through accepted by ELSEVIER – International journal. ICAMT-ISSUE- V (ELSEVIER Materials Today: Proceedings ICAMT-2016 ISSUE-V)

30. A Comprehensive Study of Edge Detection in Real Time Embedded System Application, International Conference on Advanced Materials & Technologies (ICAMT)-2016 through accepted by ELSEVIER – International journal. ICAMT-ISSUE- V (ELSEVIER Materials Today: Proceedings ICAMT-2016 ISSUE-V)
31. LSBI Steganography On Real Time Embedded System, International Conference on Advanced Trends In Engineering, Science & Humanities (ICATESH-2016) Vol-1 ( ISBN978-93-81-693-07-5) Accepted to paper Publication in Springer Journal
32. Particle Swarm Optimization (PSO) based Image Registration using Discrete Cosine Transform (DCT), International Conference on Advanced Materials & Technologies (ICAMT)-2016 through accepted by ELSEVIER – International journal. ICAMT-ISSUE- V (ELSEVIER Materials Today: Proceedings ICAMT-2016 ISSUE-V)
33. A Novel Approach to Image Clustering using Elitist Genetic Algorithm, International Conference on Advanced Trends In Engineering, Science & Humanities (ICATESH-2016) Vol-1 ( ISBN978-93-81-693-07-5 ) Accepted to paper Publication in Springer Journal.

#### **16. Seminar/Conference/Workshop/Refresher attended At Various Universities and Institutes:**

1. Attended a course on computer Applications to Library, at the University of Kerala, Trivandrum from 26 to 30 June 1989.
2. Attended a course on Computer Hardware and Maintenance at grand slam Computer Ltd, Bangalore April 1990.
3. Attended National Seminar on “HARNESSING SOLAR ENERGY”. At Sharanabasaveshwar College of Science, Gulbarga, from March 11 to 13, 2000.
4. Attended a course on PC- based instrumentation at Indian institute of Science, Bangalore, from July 16 to 26, 1996.
5. Attended Refresher course in Electronics at Karnataka University Dharwad from 18<sup>th</sup> July to 7<sup>th</sup> August, 1994.
6. Attended Refresher course in Electronics at Gulbarga University, Gulbarga, from September 30, 1995 to October 21, 1998.
7. Attended Refresher course in Electronics at Gulbarga University, Gulbarga, from 11<sup>th</sup> February 1999 to 3<sup>rd</sup> March 1999.



8. Attended Refresher course in Electronics at Gulbarga University, Gulbarga, from 02-11-2000 to 22-11-2000.
9. Attended Workshop in Electronics at Gulbarga University, Gulbarga, from 21 to 29 June 1994.
10. Attended Workshop on remote sensing at Gulbarga University, Gulbarga, from 11<sup>th</sup> to 12 October 2000.
11. Attended National Seminar on “HARNESSING SOLAR ENERGY”, at Sharanabasaveshwar college of Science, Gulbarga, from March 11 to 13, 2000.
12. Attended Short term course on Instrumentation at Gulbarga University, Gulbarga, from 27-11-2000 to 02-12-2000.
13. Attended Workshop on Experiments with LASERS at Gulbarga University, Gulbarga, on January 23, 2001.
14. Attended international conference on Instrumentation. At Government college of Engineering, Pune from 19 to 21 December 2004.
15. Attended Seminar on Advances in material Science at Gulbarga University, Gulbarga from 9 to 10 January 2006.
16. Attended XVII National convention on Physics of Biomedical instrumentation, at Sharanabasaveshwar college of Science Gulbarga, from 14 to 16 November 2002.
17. Attended Gulbarga District Taskforce for TQM & HRD in HIGHER EDUCATION, at Sharanabasaveshwar college of Commerce, Gulbarga, from 15 to 17 March 2003.
18. Attended Gulbarga District Task Force on TQM-HRD, at Sharanabasaveshwar College of Arts, Gulbarga on 29-01-2004.
19. As Resource person for National Seminar, on Application of differential equations, at Sharanabasaveshwar College of Science, Gulbarga.
20. Award received: As a best teacher in Electronics. At Sharanabasaveshwar College of Science, Gulbarga, for the academic year 1999.
21. Award received: As a Best teacher in Electronics, At Sharanabasaveshwar College of Science, Gulbarga, for the academic year 2000.
22. Award received: As a Best teacher in Electronics, At Sharanabasaveshwar College of Science, Gulbarga, for the academic year 2006.
23. Attended Exhibition on Science Sponsored by Karnataka Science Engineering academe and Karnataka State Science L.V.D College Raichur, on 19-02-2007 to 20-02-2007.
24. Attended Workshop on Embedded System and Application, at Gulbarga, University, Gulbarga, from 21 to 24, January 2008.
25. Attended UGC sponsored National Seminar, Recent Trends in Digital Communication Saturday 13<sup>th</sup> March 2010.

26. Attended National Conference on Challenges & Opportunities in Information Technology and Bioinformatics (NCCOITBT-2009) February 27,28,2009. On “ARMG web Cam Application Using Linux Embedded System” By S.V.HALSE & M.S.CHELVA.
27. National Conference on Recent Advance in Science and Technology (NCST-2014) S.V.E Society’s Bheemanna Kahandre Institute of Techonology, Bhalki Presented Topic-Hybrid approach for image reconstruction of underwater Waves.NCST-2014 22 and 23 March 2014.