

## PROFILE

**Name** : **DR. NHIVEKAR GANESH SUNIL**  
(M.Sc., SET, Ph.D.)  
**Lecturer in Electronics (CHB)**



**Date of Birth** : 2<sup>ND</sup> SEP 1985

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**Specialization** : Electronic Science (Embedded System Design)

### Educational Qualification

Qualification	Marks Obtained	Year	University/Board
Ph.D.	Awarded	July 2015	Shivaji University
SET	Qualified	Dec-2013	--
M.Sc. (Electronics)	70.33%	2008	Shivaji University
B.Sc. (Electronics)	59.33%	2006	Shivaji University
H.S.C	49.00%	2003	Maharashtra High School Kolhapur Maharashtra State, Board
S.S.C	63.33%	2001	Maharashtra State, Board

### Work Experience

Designation	Years	From- To	Classes taught	Name of the Institution
Lecturer (CHB)	5	1/7/2009 to 28/2/2010 1/07/2014 to 28/2/2017 1-07-2018 to 28/2/2019	B.Sc.-III, B.Sc.-II B.Sc.-I	Rajaram College Kolhapur
		1-07- 2016 - 31/04/2014	B.Sc.-III, B.Sc.-I	Willgton College Sangli
Research Scholar (UGC RGNF)	4	1/7/2010 to 31/05/2014	M.Sc.-II	Department of Electronics, Shivaji University Kolhapur

## Research Activities

**Ph.D. Title:** Design and implementation of FPGA based embedded fuzzy logic controller for high speed machine tool temperature control

	<b>Paper</b>	<b>Conferences</b>	<b>Book/Manual</b>
<b>International</b>	7	3	--
<b>National</b>	3	6	1
<b>Total</b>	<b>10</b>	<b>09</b>	<b>01</b>

<b>Citation Index =76</b> (Google Scholar)
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(Enclosed separate list)

## Journals

1. **NHIVEKAR Ganesh**, MUDHOLKAR Ravi “Data Logger and Remote Monitoring System for Multiple Parameter Measurement Applications” ,Journal of Electrical and Electronics Engineering, JEEE VOL4 NO1 MAY **2011**,pp 139-142.( ISSN:18446035).
2. **G.S. Nhivekar** ,R.R. Mudholkar “Implementation of fuzzy logic control algorithm in embedded microcomputers for dedicated application” international Journal of Engineering, Science and Technology , MultiCraft ,Vol. 3, No. 4, **2011**, pp. 276-283.( ISSN: 2141-2839).
3. **Nhivekar G.S.**,Mudholkar R.R.“Microcontroller Based IR Remote Control Signal Decoder for Home Application”, Advances in Applied Science Research, **2011**, 2 (4):410-416.( ISSN: 0976 – 8610)
4. **Nhivekar G. S.** , Mudholkar R. R. “FPGA-based Re-configurable Time Proportioning DAC” , Advances in Applied Science Research, **2011**, 2 (6):190-196 .( ISSN: 0976 – 8610).
5. Dorugade Namdev H. **Nhivekar G.S.** , Mudholkar R.R. “Application of Fuzzy Composition Forelectronics Component”, IJAERS,Vol. I,Issue I,October-December, **2011**.( E-ISSN2249–8974).
6. **Nhivekar G. S.** , Mudholkar R. R., “Microcontroller Based Low Cost Portable PC Mouse and Keyboard Tester”, Leonardo Journal of Sciences (LJS), Issue 20 (January-June), **2012** (11), p. 31-36.(ISSN-1583-0223).
7. **Nhivekar G.S.**, Nirmale S.S. and Mudholkar R.R.. “ A Survey of Fuzzy Logic Tools for Fuzzy based System Design”, IJCA Proceedings on International Conference on Recent Trends in Information Technology and Computer Science 2012 ICRTITCS(9):25-28, **February 2013**. Published by Foundation of Computer Science, New York, USA. BibTeX. ISSN 0975 8887
8. **Nhivekar G.S.** and Mudholkar R.R.. “ FPGA based Fuzzy Optoelectronic Color Sensor System”. IJCA Proceedings on International Conference on Recent Trends in Information Technology and Computer Science 2012 ICRTITCS(9):21-24, **February 2013**. Published by Foundation of Computer Science, New York, USA. BibTeX.ISSN 0975 8887

9. **Nhivekar G.S.** and Mudholkar R.R., “Design and Simulation of Fuzzy Temperature Controller for Machine Tool”, IJESRT, 3(4), Pp-1844-1847, April, **2014** ISSN: 2277-9655. **Impact Factor: 1.852**
10. **Nhivekar G.S.** and Mudholkar R.R., “TF Estimation and Verification of Machine Tool Cooler Prototype”, International Journal of Advanced Scientific and Technical Research Issue 3(4), Pp-520-527, May-June 2014, ISSN 2249-9954. **Impact Factor: 2.852**
11. **Nhivekar G.S.** and Mudholkar R.R., “Design and Simulation of Fuzzy Temperature Controller for Machine Tool” International Journal Of Engineering Sciences & Research Technology, 3(4), Pp-1844-1847, ISSN: 2277-9655, Impact Factor: 1.852

## Google Scholar Profile

**Dr. G. S. Nhivekar**  [FOLLOW](#)

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	All	Since 2014
Citations	80	51
h-index	3	3
i10-index	3	1

TITLE	CITED BY	YEAR
<input type="checkbox"/> <a href="#">Implementation of fuzzy logic control algorithm in embedded microcomputers for dedicated application</a> GS Nhivekar, SS Nirmale, RR Mudholkar International Journal of Engineering, Science and Technology 3 (4)	50	2011
<input type="checkbox"/> <a href="#">Data Logger and Remote Monitoring System for Multiple Parameter Measurement Applications.</a> GS Nhivekar, RR Mudholkar e-Journal of Science & Technology 6 (3)	14	2011
<input type="checkbox"/> <a href="#">Microcontroller based IR remote control signal decoder for home application</a> GS Nhivekar, RR Mudholkar Advances in Applied Science Research 2 (4), 410-416	12	2011
<input type="checkbox"/> <a href="#">FPGA-based re-configurable time proportioning DAC</a> GS Nhivekar, RR Mudholkar Advances in Applied Science Research 2 (6), 190-196	2	2011
<input type="checkbox"/> <a href="#">Data logger and remote monitoring system for multiple parameter measurement applications</a> GS Nhivekar, RR Mudholkar	1	2015

**Cited by**

2012 2013 2014 2015 2016 2017 2018 2019

Co-authors [EDIT](#)

No co-authors

## Workshop/Conference

1. **Nhivekar G. S.**, Mudholkar R.R. “Fuzzy Optimized Energy Management –A COST effective Approach “, 1st International Conference on Physics of Materials And Materials Based Device Fabrication (ICPM-MDF-2012), Department of Physics, Shivaji University, Kolhapur (India). PE-18, 17-19 JAN 2012.
2. R. R. Mudholkar, **G. S. Nhivekar**, “Embryonic Electronics Technology A Tough Challenge for Institutional Education”, Workshop on Challenges in Higher Education-2012, Shivaji University Kolhapur.
3. **Nhivekar G.S.**, Nirmale S.S. and Mudholkar R.R.. “ A Survey of Fuzzy Logic Tools for Fuzzy based System Design”, IJCA Proceedings on International Conference on Recent Trends in Information Technology and Computer Science 2012 ICRTITCS(9):25-28, **February 2013**. Published by Foundation of Computer Science, New York, USA. BibTeX.
4. **Nhivekar G.S.**, Nirmale S.S. and Mudholkar R.R..“ FPGA based Fuzzy Optoelectronic Color Sensor System”. IJCA Proceedings on International Conference on Recent Trends in Information Technology and Computer Science 2012 ICRTITCS(9):21-24,

**February 2013.** Published by Foundation of Computer Science, New York, USA. BibTeX.

5. Attar K.D. ,**Nhivekar G.S.** ,Mudholkar R.R. “Embedded Fuzzy Solar Tracking System”, National seminal on energy crisis and possible solution Dept. of Physics, KLE society, B.K.college, chikodi ECPS-**2013** .
6. Attar K.D. , **Nhivekar G.S.** Mudholkar R.R.: “Students Performance Evaluation – Fuzzy Type-II Approach” Interdisciplinary national conference on information and communication technology for education (ICTE - **2013**) march 04-05, 2013. jointly organized by department of education &department of electronics Shivaji University, Kolhapur, Maharashtra.
7. S. S. Nirmale, **G. S. Nhivekar**, K. D. Attar and R. R. Mudholkar “Fuzzy Logic PVC Temperature Control To Make It Moisture Free” A National Conference On Emerging Technologies For Sustainable Developments (NCET-2012) December 27-28, **2012** (poster), Organized by Department of Technology Shivaji University Kolhapur, 416004 pp:110-111.
8. K. D. Attar, **G. S. Nhivekar** and R. R. Mudholkar “Greenhouse Parameter Control By Using Embedded Fuzzy” UGC Sponsored State Level Seminar on “Recent Development In Embedded System” December - 21-22-**2012**, (Oral) Organized by Department of Electronics Rayat Shikshan Sanstha’s, Karmaveer Bhaurao Patil Mahavidyalaya Pandharpur.
9. **G.S.Nhivekar** , “Use of fuzzy logic in sensor signal conditioning” , UGC Sponsored State Level Seminar on Material for future technology, Department of Physics, Rajaram college Kolhapur,26-27 Sep-2014

## **Books/Manual**

1. G.S.Nhivekar, P.U.Lande, Basic Electronics-A practical approach (B.Sc.-I), Swchand Publication,ISBN:978-93-83796-05-2
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## **Academic Projects**

<b>SrNo</b>	<b>Name of Project</b>	<b>Class</b>	<b>Description</b>
1	Implementation of Remote weather monitoring system for multiple parameter measurement	M.Sc.	Paper Published
2	Design of contact less digital RPM counter	B.Sc.	<b>1st rank</b> in project Competition organized by Dept of Electronics SUK Feb 2006

## Project Guidance

Sr.No.	Name of Project	Class and Year
1	Microcontroller based Automatic code lock system	B.Sc.-III 09-10
2	Prototype of Laser data transfer for embedded system	B.Sc.-III 09-10
3	Object pick and place robot arm	B.Sc.-III 14-15
4	Smart medicine reminder system	B.Sc.-III 14-15
5	Sun tracking solar panel	B.Sc.-III 15-16

## Project on which worked (personal level)

- Duel axis solar tracker for Solar Cell
- Digital tachometer and Odometer for motorcycle.
- MCU based Fuzzy Temperature controller
- IR Remote Control Signal Decoder for Home Application
- Portable PC Mouse and Keyboard Tester
- Barcode – PIN motorcycle Ignition on-off security system
- IOT based home automation
- Automatic plant watering system

## Extracurricular Activities

1. Guest Lecture on “*Hardware interfacing*”, Bharati Vidyapeeth Deemed University, Institute of Management and Rural Development Administration, Sangli. (IMRDA). **13-09-2012.**
2. Guest Lecture on “*MATLAB for Fuzzy logic*”, at Bharati Vidyapeeth Deemed University, Institute of Management, Kolhapur. On **19-08-2012.**
3. Practical session on “*Fuzzy Hardware implementation*”, at Sinhgad College of Engineering, Sinhgad Road, Pune. AICTE sponsored staff development program on “Neural Network Design” **21-25 June 2011.**
4. Technical session on “*Fuzzy logic toolbox in MATLAB for embedded system*”, Department of Electronics and Computer Science, Nagpur University, Nagpur. **1-2 November 2012.**
5. Technical Session on “*C CPP Programming-Spoken Tutorial*”, Jointly organized by I.I.T. Mumbai and Department of Computer Science. Shivaji University. **2013.**
6. Resource person ,One day workshop on “*Spoken Tutorial*” on **29th Jan 2014**, jointly organized by IIT Bombay and Department of Technology, Shivaji University Kolhapur.
7. Guest Lecture on “*Op-Amp*”, Rajaram College Kolhapur. **11-10 -2014.**

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## Reviewed Research Paper

1. A New Real-Time Temperature-Humidity Measurement And Evaluation Unit for Industrial Device Control, **Measurement Elsevier, Manuscript No:MEAS-D-12-00470**
2. Disturbance Compensation Technique using Fuzzy Logic for Convection Temperature Control submitted, **IEEE Industrial Electronics Society, Manuscript No.TD-001376**