

CURRICULUM VITA

- 1) Name : Dr. Patil Suhas Namdev
2) Educational Qualification : M.Sc. Ph.D., SET
3) Present Designation : Assistant Professor
4) Date of Birth : 05/12/1984
5) Contact No. : 8275202447
6) Email ID : suhas.patil05@gmail.com, sn.patil@tccollege.org
7) Date of Appointment : 14/07/2016
8) Teaching Experience : 15 Years
9) Date of joining in present college: 14/07/2016

10) Educational Qualification:

Sr. No.	Examination Passed	University/ Board	Year of Passing	Subject(s)	Class/ Grade
1	SET	Savitribai Phule Pune University, Pune	2019	Electronics	--
2	Ph.D.	Solapur University, Solapur	2016	Electronics	Awarded
3	M. Sc.	Solapur University, Solapur	2009	Electronics	Second Class
4	B.Sc.	Shivaji University, Kolhapur	2007	Electronics	First Class

11) Total Research Publications : 34

a. M.Phil. / Ph.D./Research

Sr. No.	Ph. D. Thesis Title	Name of The Univ.	Year of award	Name of Guide
1	Synthesis and Implementation of Electronic Materials for Smart Sensor Module	Solapur University, Solapur	June 2016	Prof. Dr. B.P. Ladgaonkar

b. Book: 4, Book Chapter-2

Sr. No.	Title of Book	Year of publication	ISBN	Name & Place of Publisher
1	Electronic Waste Management Challenges and Role of Recycling	July 2024	978-93-6095-258-7 Book Chapter	Authors Press New Delhi
2	Wireless Sensor Network for Agricultural Application	2022	978-620-3-19336-7	Lambert Academic Publication
3	Emerging Trends in Microstrip Patch Antenna Design	2022 (PP-263-302)	978-81-96470-7-0 Book Chapter	Aavishkar Publication
4	Electronic Instrumentation for Sensor Module.	2021	978-620-3-02985-7	Lambert Academic Publication

5	Electronic Instrumentation for AC Susceptibility Measurement	2021	978-620-3-20163-5	Lambert Academic Publication
6	Electronic Instrumentation for Initial Permeability	2020	978-620-3-02672-6	Lambert Academic Publication.

c. Research Paper: (Total 34)

Sr. No.	Title of the Paper	Name of Journal	Month and Year of publication	ISSN	UGC. No./Impact Factor/ Citation Details
1	Development of Smart Real Time Electronic System for Warehouse Application	Journal of the Maharaja Sayajirao University of Baroda	Volume-58, No.1(VI) : 2024	0025-0422,	UGC Care Group 1 Journal
2	Design and Implementation of an Analog and Mixed-Signal System on Chip for ECG Monitoring	Journal on Future Engineering and Technology (JFET)	Volume 19 Issue 4 Sept. 2024	0973-2632	IF 4.651
3	Development of Smart Real Time Embedded System For Weather Monitoring	Journal of the Maharaja Sayajirao University of Baroda	Volume-58, No.1(VI) : 2024	0025-0422,	UGC Care Group 1 Journal
4	Development of Arduino Based Solar Tracking System to Increase Efficiency of Solar Panel	Journal of Emerging Technologies and Innovative Research (JETIR)	October 2023, Volume 10, Issue 10	2349-5162	(UGC Approved Journal no 63975) IF:7.95
5	Development of Polycrystalline Ferrite Based Smart Sensor module using Mixed Signal Programmable System on Chip	Int. Res. J. of Science & Engineering, Special Issue A12	February, 2023	2322-0015	IF 6.70
6	Development of an Embedded System for Agro-Industrial Applications	Int. Res. J. of Science & Engineering, Special Issue A12	February, 2023	2322-0015	IF 6.70
7	Wireless Sensor Network for Site Specific Crop Management for Precision Agriculture	ICTACT Journal on Communication Technology	December 2022	(Print) 0976-0091 (Online) 2229-6948	UGC Care List
8	Review of Sun's Position Tracking System to Increase Efficiency of Solar Panel	Journal of Emerging Technologies and Innovative Research (JETIR)	April 2022,	2349-5162	(UGC Approved Journal no 63975) IF:7.95
9	Design Embedded System for Monitoring Carbon Dioxide Gas	International Journal of Innovative Research in Technology (IJIRT)	Oct-2021	2349-6002	UGC Approved J.No.-47859 IF: 7.376
10	Implementation of Electronic Nose to Detect LPG Leakage	Journal on Embedded System	Jan-July 2021	Print: 227 8-7895 Online: 23 20-2335	IF:0.957 Citation 01
11	Development of Wireless Sensor Node for Automization in Restaurant Services	International Research Journal of Engineering and Technology (IRJET)	Mar 2021	Print- 2395-0072 Online- 2395-0056	IF7.529

12	Synthesis and Implementation of Polycrystalline Ferrite Material for Smart Sensor Module	Elsevier Editorial System Materials today Proceedings	2021,	2214-7853	IF. 3.2 Citation 05
13	Design Smart Embedded System for Detection of Ammonia Gas	Journal on Embedded System	July-Dec. 2020	Print: 227 8-7895 Online: 23 20-2335	IF:0.957 Citation 06
14	Development of an Embedded System to Measure Soil Parameter	Journal on Embedded System	Dec. 2020	Print: 227 8-7895 Online: 23 20-2335	IF:0.957
15	Development of Smart Electronics System for Realization Smart Home	Journal on Digital Signal Processing	January-June 2020	Print: 232 1-7480 Online: 23 22-0368	IF:0.079
16	Carbon Dioxide Gas Sensing Property of Nickel Substituted Zinc Ferrite	Journal on Material Science(JMS)	Sept 2019	Print: 234 7-2235 Online: 23 47-615X	IF: 1.5
17	Investigation of Temperature Sensitive Electrical Properties of Manganese-Zinc Ferrites	i-manager's Journal on Physical Sciences (JPHY)	Dec. 2019	-	-
18	Designing of Wireless Sensor Node for Measurement of Light Intensity of Polyhouse Environment	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Dec 2018	2321-9653	UGC Approved J.No.-45842 & 47916 IF: 6.887
19	Development of an Embedded System for Measurement of Temperature Based on Polycrystalline Ferrite Material	International Journal of Electrical, Electronics & Computer Science Engineering (IJECESE)	2018	E-ISSN : 2348-2273 P-ISSN : 2454-1222	--
20	Comparative Study of Ferrite Based Humidity Sensor for Smart Sensor Module Design	Int. Res. J. of Science & Engineering (IRJSE)	Dec 2017	2322-0015	UGC Approved Journal No.63628 Citation 08
21	Synthesis and Deployment of Nanoferrites to Design Embedded System for Monitoring of Ammonia Gas	International Journal of Advances in Engineering & Technology (IJAET)	March 2017	ISSN: 2249 – 8958	IF 3.43 Citation 06
22	Analog Mixed Signal based Linear Control of Electric Motor Deploying CapSense Technology	International Journal of Advanced Research in Computer Science and Software Engineering	May 2017	ISSN: 2277 128X	Citation 03
23	Investigation of Magnesium Substituted Nano Particle Zinc Ferrites for Relative Humidity Sensors	Elsevier Journal : Sensors & Actuators: A. Physical	April 2016	0924-4247	IF 4.6 Citation 63

d. Research Project:

Sr. No.	Name of Funding Agency	Project Title	Funds Received	Month and Year of sanction	Duration of the Project	Status of Project
1.	Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati under Teacher research grant	IoT Based Real Time Smart Electronic Nose for Food Grain Storage in Warehouse	1,35,000.00	October 2023	1 Year	Completed

	scheme					
2.	RUSA Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati under student research grant scheme	Development of an Embedded System for Biomedical Application	13500.00	2022-23	1 Year	Completed
3.	RUSA Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati under student research grant scheme	Solar Panel Based Sun's Position Tracking System	15000.00	2021-22	1 Year	Completed
4.	RUSA Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati under student research grant scheme	Development of Smart Embedded System for Monitoring Environmental Parameters for Polyhouse Applications	3000.00	2018-19	1 Year	Completed
5.	RUSA Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati under student research grant scheme	An Electronics Solution for Waste Management	13000.00	2017-18	1 Year	Completed
6.	RUSA Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati under student research grant scheme	Development of an Embedded System for Detection of LPG Leakage to Provide Security for Smart Kitchen	12000.00	2016-17	1 Year	Completed

e. Papers presented in Seminar / Conference:

Sr. No.	Name of the Conference/ Seminar	Title of the paper	Date	Level (State/ National/ International)	Name of the Organizer
1	International Conference on "Emerging Trends and Challenges in Electronics and Computing for Sustainable Development"	Development of Smart real time Electronic System for warehouse Application" paper selected for poster presentation	22-23 March 2024	International Best Presentation Award(2 nd)	Organized by Department of Electronics and Computer Science, Y. C. Institute of Science, Satara
2	International Conference on Recent Trends in Materials Science, Synthesis, Characterization and Applications(RTMS-2023)	Development of polycrystalline ferrite based smart sensor module using mixed signal programmable system on chip	2 nd -3 rd January 2023	International	Organized by Post Graduate Department of Physics, T. C. College, Baramati
3	International Conference on Emerging Trends and Challenges in Electronics and Computing (ETEC-2021)	Development of Nanoferrite based Smart Embedded System for	4-6 March 2021	International	Organised by Department Electronics and Computer Science,

		Monitoring Carbon Dioxide Gas			Yashavantrao Chavan Institute of Science, Satara.
4	International conference on Multifunctional and Hybrid Materials for Energy and Environment (MHMEE-2020)	Synthesis and Implementation of Polycrystalline Ferrite Material for Smart Sensor Module	29 th - 31 st January 2020	International	Organised by Department of Physics and Astrophysics, Yashavantrao Chavan Institute of Science, Satara.
5	International Conference on Digital Signal & Image Processing (ICoDSIP-2017)	Synthesis and Deployment of nano ferrites to Design Embedded System for Detection of Ammonia Gas	7 th -8 th March 2017	International (First Prize as a Best Paper presentation Award)	Department of E & TC Maharashtra Institute of Technology, Aurangabad
6	International Conference on Applied Nanotechnology and Nanoscience (ICANN 2017)	Comparative Study of Ferrite Based Humidity Sensor for Smart Sensor Module Design	7 th - 9 th Dec 2017	International	Organized by Post Graduate Department of Physics, T. C. College, Baramati
7	UGC, IEEE India SSCS & CAS Chapters Sponsored National Conference on Emerging Trends in Electronics and Computer Science (ETECS-2015)	Mixed Signal Based System-On-Chip for Monitoring of Physical Parameters of the Water	13 th - 14 th February 2015	National	Dept. of Electronics, Shivaji University, Kolhapur,
8	UGS Sponsored National Conference on Recent Advances In Embedded Technology (NCRAET-2015)	Synthesis and Development of Nanosized Ferrite Sensors to Design an Embedded System for Carbon Dioxide Gas Monitoring	29 th - 30 th January 2015	National	Organized by Department of Electronics Ramkrishna Paramhansa Mahavidyalaya, Osmanabad
9	National Conference on Advances in Wireless Sensor Network and Its Application (NCAWSNA-2014)	Wireless Sensor Network: The Solution for Precision Agriculture	12 th and 13 th December, 2014	National	Shankarrao Mohite Mahavidyalaya, Akulj
10	National Conference on Advances in Wireless Sensor Network and Its Application (NCAWSNA-2014)	Development of an Embedded System for Wireless Sensor Network For Sugar Industry	12 th and 13 th December, 2014	National	Shankarrao Mohite Mahavidyalaya, Akulj

f. Patents published :03

Sr. No	Title of Invention	Application /Design Number	Date of Filling	Publication Date	National/ International	Status
1.	IoT Based Soil Moisture Level Indicator (Journal No. 41/2023)	394098-001	30/08/2023	12/10/2023	National	Completed Design Patent
2.	Integration of IoT and Artificial Intelligence for Enhanced Crop Production in Greenhouse	-	26/04/2024	24/05/2024	International	Completed Design

	Application					Patent
3.	Smart Real Time Electronic System For Monitoring Food Grain Storage in Warehouse Application	6357894	08 April 2024	April 2024	International	Design Patent

12) Professional recognition / award/ fellowship etc.

Sr. No.	Name of Award/ Recognition	Awarding Agency	Date
1	UGC Project Fellow	UGC	31 /05/2014 (1Year)

13) Work Experience on Academic Bodies and other:

Sr. No.	Designation/ Position	Duration	Name of Institute / University	Details
1	Member of Board of Studies	--	T. C. College, Baramati	Electronics
2	Reviewer,		International Journal of Engineering and Research & Technology Registration Number:- IJERTREW4636	
3	Editorial Board Member		i-manager's Journal on Circuits and Systems (JCIR)	
4	Reviewer		Journal of Emerging Technologies and Innovative Research”, International Peer Reviewed Journal.	
5	Editorial Board Member		i-manager's Journal on Embedded Systems (JES)	
6	Member of Board of Studies		Mauli Green Army Maharashtra Rajya Paryavaran Samiti.	

Any other Attainment:

- Resource Person for Workshop/ Seminars/FDP : 09
- Position held in the College/State/National Level Workshop Organized : 06
- Participation in Workshops and Training Programmes : 11
- Participation in International Conferences/Seminars/Symposiums : 07
- Participation in National Conferences/Seminars/Symposiums : 14
- Total Research Paper in National Conference and Seminar Proceeding : 21
- Research Papers Published in the International Conference, Seminars and Symposia : 18
- Research Papers Published in the National Conference, Seminars and Symposia : 44
- Silver medal in 11th Maharashtra State Inter University Sport Tournament, Ashwamedh 2007 (kabaddi) held at Yashwantrao Chavan Open University, Nashik during 27th Nov. to 1st Dec. 2007
- Student Research Project : 05
Research Grant Under Student Research Scheme of the College

11. **Consultancy:**

- Provided to Department of Microbiology (Colorimeter, Cooling Centrifuge and Electric Balance Repaired and save 25000.00 amount of college)
- Practical Board Design and provided to Dokeshwar College, Takli Dokeshwar, Ahmednagar. (Consultancy Amount: 35200.00Rs)
- Consultancy provide to Zoology Department of T. C. College, Baramati

12. Judge for Project competition organized by Vidya Pratishthan's Arts, Science & Commerce College, Vidyanagari, Baramati on 05 March Feb 2025.