

CURRICULUM VITA

- 1) **Name** : Dr. Pawar Aparna Madhukar
- 2) **Educational Qualification** : M.Sc. Ph.D., SET
- 3) **Present Designation** : Assistant Professor
- 4) **Date of Birth** : 12/02/1987
- 5) **Contact No.** :8275206489
- 6) **Email ID** : aparnapawar21@gmail.com, am.pawar@tccollege.org
- 7) **Date of Appointment** :14/07/2009
- 8) **Teaching Experience** : 14 Years
- 9) **Date of joining in present college:** 14/07/2009

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	2015	Electronics	Awarded
3	M. Sc.	Solapur University, Solapur	2009	Electronics	Second Class
4	B.Sc.	Shivaji University, Kolhapur	2007	Electronics	Higher Second Class

11) Total Research Publications :

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

Sr. No.	Ph. D. Thesis Title	Name of The Univ.	Year of award	Name of Guide
1	Development of Zigbee Technology Based Wireless Sensor Network System For Greenhouse Applications	Solapur University, Solapur	June 2015	Prof. Dr. B.P. Ladgaonkar

b. Book:

Sr. No.	Title of Book	Year of publication	ISBN	Name & Place of Publisher
1	Wireless Sensor Network for Agricultural Application	2022	978-620-3-19336-7	Lambert Academic Publication
2	A Comparative Study Humidity Sensors: Plasma Polymerized and Spin Coated Thin Film Sensors	2021	978-6204207445	Lambert Academic Publication

c. Research Paper:

Sr. No.	Title of the Paper	Name of Journal	Month and Year of publication	ISSN	UGC. No./Impact Factor/ Citation Details
1	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
2	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
3	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
4	Implementation of Poly Crystalline ferrite material as Sensor for CO2 Detection using Cypress CY8C29466 Based on SoC	Journal on Future Engineering & Technology	May July 2021	Print: 0973-2632 Online: 2230-7184	-
5	Implementation of Electronic Nose to Detect LPG Leakage	Journal on Embedded System	Jan-July 2021	Print: 2278-7895 Online: 2320-2335	IF:0.957 Citation-01
6	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
7	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
8	Development of an Embedded System to Measure Soil Parameter	Journal on Embedded System	Dec. 2020	Print: 2278-7895 Online: 2320-2335	IF:0.957
9	Development of Smart Electronics System for Realization Smart Home	Journal on Digital Signal Processing	January-June 2020	Print: 2321-7480 Online: 2322-0368	IF:0.079
10	Carbon Dioxide Gas Sensing Property of Nickel Substituted Zinc Ferrite	Journal on Material Science(JMS)	Sept 2019	Print: 2347-2235 Online: 2347-615X	IF: 1.5 Citation-03
11	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
12	Development of an Embedded System for Measurement of Temperature Based on Polycrystalline Ferrite	International Journal of Electrical, Electronics & Computer Science Engineering (IJECCSE)	2018	E-ISSN : 2348-2273 P-ISSN : 2454-1222	Citation-02

	Material				
13	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
14	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
15	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. 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 Recent Trends in Materials Science, Synthesis, Characterization and Applications(RTMS-2023)	Development of an Embedded System for Agro-Industrial Applications	2 nd -3 rd January 2023	International	Organized by Post Graduate Department of Physics, T. C. College, Baramati
2	International Conference on Emerging Trends and Challenges in Electronics and Computing (ETEC-2021)	Development of Efficient IoT system for Farming in Rural Area: An Approach to Precision Agriculture	4-6 March 2021	International	Organised by Department EElectronics and Computer Science, Yashwantrao Chavan Institute of Science, Satara
3	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, Yashwantrao Chavan Institute of Science, Satara.
4	Fifth International conference on Advances in Material Science (Online)(ICAMS-2020)	Design a Smart Sensor Module for Monitoring H2S Gas based on Polycrystalline Ferrite	6-7 June 2020	International	Post graduate department of Physics, Raje Ramrao Mahavidyalaya., Jath
5	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
6	UGC, IEEE India SSCS & CAS Chapters Sponsored National Conference on Emerging Trends in Electronics and Computer Science (ETECS-2015)	Wireless Sensor Network to Ensure Site Specific Variability	13 th - 14 th February 2015	National	Dept. of Electronics, Shivaji University, Kolhapur,
7	UGS Sponsored National Conference on Recent Advances In Embedded Technology (NCRAET-2015)	Design and implementation of Wireless Sensor Network for Electric Power Distribution	29 th – 30 th January 2015	National	Organized by Department of Electronics Ramkrishna Paramhansa

					Mahavidyalaya, Osmanabad
8	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 Decem ber, 2014	National	Shankarrao Mohite ahavidyalaya, Akulj

e. Patents published/Register: 202211030237

12) 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

13) Any other Attainment:

1. Coordinator, “**Two days Workshop on Arduino** ” on 10th and 11th Feb. 2022.
2. Coordinator, online **one day National Webinar** on “**IoT: New Era of Digitization**” on **08th January 2022.**
3. Coordinator, Two days online International Webinar on “**Innovative Research Trends in Green Electronics and Allied Technology**” on 25 & 26 February 2021.
4. Coordinator, “**Two days Workshop on Arduino Programming**” on 05 Dec. 2020 to 06 Dec. 2020.