

Karmaveer Bhaurao Patil University, Satara
Yashavantrao Chavan Institute of Science, Satara

Faculty Profile

❖ **General information**

Name : Dr. G. S. Nhivekar
Designation : **Assistant Professor**
Department : Electronics
Educational Qualification : M.Sc., SET, Ph.D. (Electronics)
Date of Appointment :
Teaching Experience : UG: 06 years
 PG: 03 years
Research Experience : 04 years
Research Area : Electronics, Fuzzy Logic, Embedded System



❖ **Educational Qualification Details (undergraduate onwards)**

Sr. No.	College/University	Degree	Subjects	Year	Class/ Percentage
1	Shivaji University	B.Sc.	Electronics	2005	59.00%
2	Shivaji University	M.Sc.	Electronics	2008	70.63%
3	Stat agency Pune University	SET	Electronics	2014	-
4	Shivaji University	PhD	Electronics	2015	-

❖ **Academic and Administrative Responsibilities**

Sr. No.	Position	Organization	Date/Duration
1	IC. Director, Innovation, Incubation, Linkage and Placement,	KBP, University, Satara	From November-2022
2	Extention Activity Coordinator	YCIS, Satara	From March 2020
3	“PD3P4” Coodinator	YCIS, Satara	From March 2020

❖ **Awards/Honors/Recognitions/Scholarship etc.:**

Sr. No.	Name of the award/honor/recognition	Awarding Organization	Date and year
1	Rajiv Gandhi National Fellowship (RGNF)	U.G.C.	2010-2014
2	Faculty Exchange	RUSA sponsored YCIS, Satara	2020

3	Award: Meritorious performance in research	YCIS, Satara	2023
4	Recognitions	Skill development Employment office Satara	15-07-2023

❖ **Membership to Professional Organizations/Associations:**

Sr. No.	Membership type (Annual/Life/any other)	Organization/Association	Date and year
1	-	-	-

❖ **Worked as Editor/Reviewer to Journals/Books/Proceedings etc.**

Sr. No.	Name of the Journal/Book/Proceedings	ISSN/ISBN No.	Assignment (Editor/Reviewer)	Publisher	Publication year
1	Science Research Journal YCIS, Satara	-	Assistant Editor	-	2022
2	The Electronics engineering section of Journal of Shivaji University: Science and technology section.	ISSN Science 0250-5347	Reviewer	Shivaji University Kolhapur	July 2023

❖ **Research Projects (Ongoing/Completed)**

Sr. No.	Title of Project	Duration	Amount Sanctioned (in Lakhs)	Agency	Status (Ongoing/ Completed)
Major Research Project					
1	IoT and Geoinformatics Based Flood Monitoring and Prediction System	3 year	-	State University Research Excellence (SERB SURE)	Ongoing
Minor Research Project					
1	Design and development of Portable Soil tester using Visible- Near infrared reflectance spectroscopy	2 Year	-	RUSA sponsored In-house Scheme, YCIS, Satara.	Ongoing
2	Use of Augmented reality for making educational modules.	Year	-	RUSA sponsored In-house Scheme, YCIS, Satara	Ongoing

❖ **Research Guidance:**

- Number of students (M.Phil) 1) Completed:- 2) Registered:-
- Number of students (Ph.D.) 1) Completed:-Nil 2) Registered: -02

❖ **Details of Research Publications**

A) Patent

Sr. No.	Title	Patent No.	Indian/US/ Any other	Granting date
1	Device for Analyzing Oil Content in Aromatic Plants	367486-001	India Design	Generated.
2	Titration instrument to determine analyte concentration	389732-001	India Design	Generated
3	Piston burette for liquid delivery	389950-001	India Design	Generated
4	Portable Soil Tester	6338265	UK Design	Generated
5	A device for gas sensing analyses	406161-001	India Design	Generated
6	UV Equipped Sterilization Device For Lavatory	409557-001	India Design	Generated

B) Books/Book Chapters

Sr. No.	Title	Publisher	Year of Publication	ISBN No	Type (Reference/Text)
1	Basic Electronics- A practical approach (B.Sc.-I)	Swchand Publication	2015	ISBN:978-93-83796-05-2	Text
2	A Lab Manual Of Practical Course In Electronics,	Nirale Prakashan	2018	ISBN:978-93-89533-82-8	Text
3	RECENT TRENDS IN MATERIALS FOR ADVANCED TECHNOLOGIES	Aaviskar Publications, Talegaon Dabhade, Pune-410506	2021	ISBN 978-81-96470-7-0	Referance Book

4	Book Chapter Microfluidics Lab- On-Chip From Design, Fabrication to Applications	Aaviskar Publications, Talegaon Dabhade, Pune- 410506	2022	ISBN 978-81- 96470-7-0	Referance Book
5	Arduino-Based Universal Data Acquisition System: Design, Implementation, and Applications	Aaviskar Publications, Talegaon Dabhade, Pune- 410506	2022	ISBN 978- 964704-3-2	Book Chapter

C) Datasets Submission

Sr. No.	Title	Accession No.	Data base	Year of publication
1	-	-	-	-

D) Research papers:

Sr. No	Title of paper	Journal/proceeding details (Name, volume, page no, year of publication etc.)	ISSN No	Listed in Scopus/Web of Science/ UGC Care	Impact factor (If any)
1	Unraveling the Effect of the Water Content in the Electrolyte on the Resistive Switching Properties of Self-Assembled One-Dimensional Anodized TiO ₂ Nanotubes	The Journal of Physical Chemistry Letters	1948-7185	Scopus	6.88
	Versatile Three-in-One Single Beam Visible Colorimeter for Undergraduate Chemistry Laboratories	Journal of Chemical Education	1938-1328	Scopus	3.208
	Fuzzy Interface System for the Prediction of Optical Properties of ZnO Thin Film	International Journal for Research in Applied Science & Engineering Technology (IJRASET) Volume	2321-9653	Peer Reviewed	

		11 Issue VII			
	Design of Solar Photovoltaics Powered Internet of Things Based Weather Station,	Journal of Shivaji University: Science and Technology Volume-43 (2) (July, 2017)	ISSN: 0250-5347	Peer Reviewed	
2	Fuzzy Logic Based Contactless Risk Dedication and Prevention System to prevent COVID-19 Suspect at Entrance	Journal of Advanced Engineering Research	ISSN: 2349-6495(P) 2456-1908(O)	Peer Reviewed	-
3	TF Estimation and Verification of Machine Tool Cooler Prototype	International Journal of Advanced Scientific and Technical Research	ISSN 2249-9954	Peer Reviewed	-
4	implementation of fuzzy logic control algorithm in embedded microcomputers for dedicated application	international Journal of Engineering, Science and Technology , MultiCraft	ISSN: 2141-2839	- Peer Reviewed	-

E) Paper Presentation in Conference /Seminar/ Symposia:

Sr. No	Title of paper	Name of the Conference /Seminar/ Symposia Details (Title, Date, Page No etc.)	Level (Intl/Natl/State /Uni etc.)	Organizing institute
1	Fuzzy Interface System to Predict the Optical Properties of ZnO Thin Film	International Conference on Nanobiotechnology (ICNB'23) (17th -18th March, 2023)	International	YCIS
2	Design And Simulation of Universal Digital Nano - Ampere Meter For Sensor Signal	International Conference on Nanobiotechnology (ICNB'23) (17th -18th March, 2023)	International	YCIS
	Fuzzy Logic based Greenhouse Microclimate control	(ETEC-2021) International Conference Yashavantrao Chavan Institute of Science, Satara	International	YCIS

		(Autonomous Institute), Maharashtra, India		
	Design Development And Applications Of Spectrometer For Liquid Chromatography	(ETEC-2021) International Conference Yashwantrao Chavan Institute of Science, Satara (Autonomous Institute), Maharashtra, India	International	YCIS

F) Citation Index

	Google Scholar	Scopus	Web of Science
Citations	181	-	-
h-index	04	-	-
i10-index	03	-	-

❖ Participation in Orientation/Refresher/FDP/Short Term/Training Programs:

Sr. No.	Name of the programme	Organizing institute	Date
1	4- week induction /orientation program	Teaching Learning Center, Ramanujan College, University of Delhi.	From 4-July-2020
2	One Week Online Training Programme on "IPR-Patenting System in India"	Rajiv Gandhi National Institute of Intellectual Property Management (RGNIIPM), Nagpur	6th to 10th of June, 2022
3	Inter-Disciplinary And Multi Lingual Two -Week Refresher Course/ Faculty Development Programme On "Managing Online Classes & Co- Creating Moocs 4.0"	Teaching Learning Centre, Ramanujan College University of Delhi	11 - 26 March, 2021

❖ Participation in Conference/Seminar/Symposia/Workshop/Any other programs:

Sr. No.	Name of the event	Organizing institute	Level (Intl/Natl/ State/Uni/Local etc.)	Date
1	-	-	-	
2				

❖ **Resource person in Conference/Seminar/Workshop/Any other programs:**

S. No.	Title of the event	Level (Intl/Natl/ State/Uni./local etc.)	Organizer	Date
1	Chairman Editor Board :International Conference on “Emerging Trends and Challenges in Electronics and Computing (ETEC-2021)” Sponsored by (RUSA)	International	Organized by Department of Electronics YCIS	
	Co-convener :International Conference on “Emerging Trends and Challenges in Electronics and Computing (ETEC-2021)” Sponsored by (RUSA) Organized by Department of Electronics YCIS	International	Organized by Department of Electronics YCIS	
	Fundamentals of Electronics in the Faculty Development Program organized	local	- Department of Computer Science ,YCIS Satara on	-29-08-2021
	Innovation and Idea Development"	local	in the Orientation Programme for B.Sc.- III organized by the Department of Electronics, Computer Science, Computer Science (Entire) and B.Voc (Software Development) ,Y.C.I.S. Satara (Autonomous Institute).	Saturday, 30th October 2021 at 11:00 am to 12:00 pm.
	Project Based Learning	local	, Y.C.I.S. Satara (Autonomous Institute).	15-03-2022

	Project Based Learning and topic selection	local), Y.C.I.S. Satara (Autonomous Institute).	09-11-2022
	Writing and Publication Research Paper	local	Department of Computer Science, Y.C.I.S. Satara (Autonomous Institute).	07-05-2022
	Basic Concept in Physics	local	Jr. college Y.C.I.S. Satara (Autonomous Institute).	15-10-2022
	Scientific Writing	local	Orientation Program , Y.C.I.S. Satara (Autonomous Institute).	14-09-2022
	Research Methodology	local	Induction Program , Y.C.I.S. Satara (Autonomous Institute).	06-10-2022

❖ **Chaired Sessions in Conference/Seminar/Workshop etc.:**

S. No.	Title of the event	Level (Intl/Natl/ State/Uni./local etc.)	Organizer	Date
1	-	-	-	-

Other Role in Academics and Administration

1. Director –Innovation incubation linkages and placement, Karmaveer Bhaurao Patil University, Satara
2. Member –Board of Studies in Electronics Willgdon College ,Sangali.
3. Member - Board of Studies in Electronics, Bajaj College of Science , Wardha, Nagpur.
4. Member - Board of Studies in Computer Science, KBPU,
5. Chairman - Board of Studies in Electronics, KBPU,
6. Evaluation committee member-Rayat Shikshan Sanstha's , Karmver Vdayprabodhini, Rayat Olympiyad 1-08-2023
7. External examiner, BSc-MSc Practical Examination , Department of Nanoscience and technology, Shivaji University, Kolhapur.
8. Academic Council Member YCIS.

9. General Council Member , KBPU,Satara.
10. External Examiner, BSc-III Practical Examination in Electronics 26-04-2023 to 29-04-2023, Department of Electronics ,Swami Vivakanad College, Kolhapur.
11. Examiner: Science Wallpaper Competition, YCIS.20-09-2022
12. Examiner: Institutional Avishkar, YCIS.01-12-2022
13. Examiner: PD3P4 paper presentation, YCIS.25-05-2022
14. Examiner: BSc-III Practical Examination in Electronics,01-06-2022 to 03-06-2022
15. Examiner: BSc-III BET102,MET201, BET504, BET 603
16. Paper Setter: MSc (Electronics) Entrance Examination June 2023 , YCIS, Satara.
17. Paper Setter: PhD Entrance June 2023, Subject-Electronics, KBPU, Satara.
18. Chairman & Paper Setter BSc-III Electronics Examination 2023 YCIS.
19. Chairman & Paper Setter BSc-III Electronics Examination December 2022 YCIS.
20. Chairman & Paper Setter BSc-III Electronics Examination June 2022 YCIS.
21. Mentor for MSc Student in Research Training at RIRD 11th to 30th August 2022.
22. Jr. Supervisor: PhD Entrance, 27-10-2021,YCIS



Signature of Faculty