Resume

Name: Dr. Ghorpade Shital Ranjit

Date of Birth: 11/03/1983   **Gender:** Female

Category: SBC   **Nationality:** Indian

Marital Status: Married

Address for Correspondence: 11/219, Station Road, Near Star Deluxe Hotel, Ichalkaranji.

E-mail ID/Mob: shital_sokashe@yahoo.co.in, ssokashe@gmail.com (9422581005)

Academic Qualifications:

Sr. No.	Degree	University	Class Obtained
1.	Ph.D. (Electronics Engineering)	Shivaji University, Kolhapur.	Completed in February 2026
2.	M.E. (Electronics and Telecommunication Engineering)	Shivaji University, Kolhapur.	First Class (69.89%)
3.	B.E. (Electronics and Telecommunication Engineering)	Shivaji University, Kolhapur.	First Class with Distinction (69.40%)
4.	H.S.C.	Kolhapur Board	First class (63.00%)
5.	S.S.C.	Kolhapur Board	First Class with Distinction (81.73%)

Experience Details –

Sr.No.	Name of Employer	Post held	Period	Total Years
1.	Dr. D. Y. Patil College of Engineering, Akurdi. Pune	Lecturer	01/08/2007 to 31 /05/2009	18.5 yrs
2.	KITs college of Engineering, Kolhapur	Lecturer	01/07/2009 31/05/2010	
3.	SITCOE, Yadrav	Assistant professor	01/07/2010 to till date	

Research Experience

➤ **Research Area(s):** Image Processing.

➤ **Ph.D. Guide:** Prof. Dr. S. A. Paradeshi

➤ **Title of Ph.D. Thesis:** "An Approach for Occlusion Handling in Multi-object Tracking"

Details of Paper Published / Presented:

Sr.No.	Title of Paper	Publication details	
6.	Segmentation of Cervical Vertebrae Using AAMs	IFRSA	Nov 2013
7.	Computer Assisted Method for Cervical Vertebrae Segmentation from X-ray Images	IJARCCE	Nov 2013

8.	Water Pump Monitoring and controlling using Adriano	Sahyadri Vally College of Engineering and Technology, Rajuri. International Conference on ICIRET-2016 (20th-21st March 2016)	20th-21st March 2016
9.	CARDIC based Trigonometric Computing using 'C' language	IJIACS International Conference on ICIRESM (Dec. 2016)	Dec. 2016
10.	Intelligent Fault Detection System Using Adriano in Optical Fiber Cable	IFERP International Conference on ICRCET (23rd - 24th Feb 2017)	23rd -24th Feb2017
11.	Real Time Distribution Transformer Monitoring System with Data Logging	IFERP International Conference on ICRCET(23rd -24thFeb 2017)	23rd -24th Feb2017
12.	"Smart Wrongly Parked Vehicle Pickup Vanwith Auto Alert System"	NRET	24 March 2018
13.	"ATM for Medicine"	NRET	24 March 2018
14.	"Smart E-Guide System"	IJARCCE International Journal of Advanced Research in Computer and Communication Engineering	May 2021
15.	Gesture Based Vehicle Control Using Sixth Sense Technology	IJARCCE International Journal of Advanced Research in Computer and Communication Engineering	May 2021
16.	Glove Mouse	International Journal of Research Publication and Reviews	July 2022
17.	Feature Extraction using LBP and Loop Descriptor (Poster Presentation)	13th India Japan Science and Technology Conclave: International Conference on Frantire areas of Science and Technology.	08-09 September 2023
18.	IOT based IV Bag monitoring, controlling and alerting system	International Journal of Research Publication and Reviews	Volume 4, Issue 12, December 2023. ISSN 2582-7421
19.	Automatic Medical Drawer System using Face Authentication	International Journal of Research Publication and Reviews	Volume 4, Issue 12, December 2023. Pp. 90-92. ISSN 2582-7421
20.	Texture Feature Extraction Using Local Optimal Oriented Pattern (LOOP) 2024 Book chapter DOI: 10.1007/978-3-031-56700-1_32 CONTRIBUTORS: Shital V. Sokashe-Ghorpade; S. A. Pardeshi	International Advanced Computing Conference IACC 2023: **Advanced Computing** pp 407–416 SCOPUS Indexed	Volume 2053. December 2023.
21.	LSTM-QDCNN: long short-term memory and quantum dilated convolutional neural network enabled occlusion percentage prediction	Australian Journal of Electrical and Electronics Engineering	5 Jun 2024
22.	Optimized Deep LSTM-Based Multi-Object Tracking with Occlusion Handling Mechanism https://doi.org/10.1142/S0218001424520165 Vol. 38, No. 11, 2452016 (2024)Deep Learning	Optimized Deep LSTM-Based Multi-Object Tracking with Occlusion Handling Mechanism	Published: 9 August 2024

Sr. N	Name of Course	Place	Dates	Period
23.	A Comprehensive approach to non-invasive health monitoring system with real time ECG, EMI and Vital sign tracking	IRJMET Vol. 06 Issue: 10 October 2024	10 October 2024	
24.	Industrial Fault detection	IRJMET Vol. 06 Issue: 10 October 2024	10 October 2024	

Details of STTP's/Workshops Attended –

Sr. N	Name of Course	Place	Dates	Period
1.	National Level Winter School On "Enterprise Server & Security"	E & TC department of Sinhgad Academy Of Engineering Kondhwa, Pune-48.	9th -13th Jan2009	1 Week
2.	'Introduction to ARM Processor'	ETC department DKTE ,Ichalkaranji	23th July- 24th July2010	2 Days
3.	'BASIC ELECTRONICS'	Conducted by IIT Bombay, Remote center DKTE, Ichalkaranji	28th June -8^{th}July 2011	2 Week
4.	" Network Simulator2 for Wired and Wireless Network"	E & TC department of SIT Polytechnic,Yadrav.	17th October-19th Octob 2013	3 days
5.	"Advanced Trends in Video Engineering"	E & TC department of SIT college of Engineering, Yadrav.	12th May-16th May 2014	1 Week
6.	Advanced techniques in research methodology	SITCOE	15-26 June 2015	TWO Week
7.	Plc automation	SITCOE	30 Nov- 4 Dec 2015	One week
8.	Industrial training at Shreem Electric Ltd. Jambhali	Shreem Electri Ltd. Jambhali	01Nov.2015	1 Days
9.	Pedagogy to Synergogy	SITCOE	7th May 2016-11^{th}May 2016	1 week
10.	Recent Trends in Internet of Things	SITCOE	6th June 2016-11th June 2016	1 week
11.	Research Opportunities	SITCOE	1st -6th December 2016	1 week
12.	Advanced Embedded Technology	SITCOE	8th Dec 2016-13^{th}Dec2016	1 week
13.	In house PCB training	Silver Circuits,Sangli	18 Dec 2016	1 Day
14.	Advanced Signal, Image and Video processing on FPGA.	DKTE's TEI Ichalkaranji	26th June -30^{th}June 2017	1 Week
15.	Orientation Program on Outcome Based Education	SITCOE	30th Oct. -4thNov.2017	1 Week
16.	Pedagological Aspects in Signal Processing	WCE, Sangli	15th -16th December2017	2 Days
17.	Industrial Training	Naodit Electronics,Sangli	14/05/2017	1 Day
18.	Cervical Cancer Screening Camp	Jain MahilaParishad Sangali	20/08/2017	1 Day
19.	Vocational Industrial Training	Magnewin Energy Private Ltd.	06/12/2017	1 day
20.	Outcome Based Technical Education	SITCOE, Yadrav	21st -26th May2018	1 Week
21.	Foundation Program in ICT for Education	IIT. Bombay	13 Sept- 18 Oct 2018	2 week
22.	Python Programming in Machine Learning	SITCOE, Yadrav	8th -13th Oct2018	1 Week

23.	Pedagogy for Online and Blender Teaching Learning Process	IIT. Bombay	30th Oct- 13thDec 2018	2 week
24.	Hand-on experimentation on Deep Learning	ADCET, Ashta	17th -22nd June 2019	1 Week
25.	Fundamentals of C programming- SITCOE, Yadrav	ifico Tech Pvt. Ltd.	25th- 30th November	1 Week
26.	Academic Research Processes, SITCOE	SITCOE	4th & 5th Dec 2019	2 days
27.	Hands On practices on Balanced Robotics and Rapid Prototyping using3D printing	Dr. JJMCOE, AICTE Sponcered	24th -28th Dec-2019	1 Week
28.	MATLAB based Teaching – Learning in Mathematics, Science & Engineering	RamraoAdik Institute of Technology, Nerul, Navi Mumbai	18th -22nd May 2020	1 week
29.	Artificial Intelligence	BVRET Hyderabad	22nd May-26th May	1 Week
30.	Design of Drones	Shreenidhi Institute of Science and Technology, Hyderabad	26th May-29th May 2020	1 week
31.	Next Generation Electronics and Computer Networks	BheemannaKhandre Institute of Technology, Bhalki	2nd – 6th June 2020	1 week
32.	Industry 4.0 , Data Analytics, Disruptive Technologies	Sanjay Bhokare Group of Institutes,Miraj	26th May-31st May	1 week
33.	R- Programming	SreeVidyaniketan Engineering College , Tirupati	25th -29th May 2020	1 Week
34.	Recent Trends in Electronics and Telecommunication Engineering	JB Institute of Engineering And Technology,	26th –2nd May 2020	1 week
35.	Machine Learning and Deep Learning Hands On Experiments Using Python	SITCOE, YDRAV	1st –9thJune 2020	2 week
36.	"Digital Transformation & Pedagogies"	Government College of Engineering, Karad (Satara) MS & Walchand College of Engineering, Sangli, Sponsored by AICTE, New Delhi & TEQIP III	August10-14, 2020	1 Week
37.	Global Navigation Satellite System	IIRS, ISRO, Dehradun	Sept 14-25, 2020	2 Week
38.	Understanding of Coastal ocean processes using Remote Sensing and Numerical Modelling	IIRS, ISRO, Dehradun	Sept 21-25, 2020	1 Week
39.	Geographical Information System	IIRS, ISRO, Dehradun	28 September -15 October, 2020	1 Week
40.	Internet of Things (IoT)	Sri Sairam Engineering College, ATAL FDP	30th November- 4th December 2020	1 Week
41.	Robotics	KCG College of Technology ATAL FDP	8th December-12 December 2020	1 Week
42.	Research Methodology, Research Publication and Patent Filing	SITCOE, YDRAV Approved by IEEE Bombay	20th September-24th September 2021	1 Week
43.	Machine Learning Applications on Image Processing	Nagarjuna College of Engineering and Technology, ATAL FDP	17 January-21 January 2022	1 Week
44.	Machine Learning	Dr. J. J. Magdum College of Engineering , Jaysingpur under AQIS	24th January -29th January 2022	1 Week

45.	Effective Research Paper and Proposal writing	SITCOE, YDRAV Approved by IEEE Bombay	4th January-8th January 2023	1 Week
46.	Applied Deep Learning	BITs Pilani, KK Birla Goa Campus	12th June -16th June 2023	1 Week
47.	Innovative Education and Research: OBE, Effective Assessment, Research Integrity and Personality Development	SITCOE, YDRAV Approved by IEEE Bombay	3rd June -8th June 2024	1 Week
48.	From Ideas to Innovation: A Patent Landscape Approach to Science and to Technology Correlation	Nagesh Karajagi Orchid College of engineering and technology, Solapur	22 Jan 2025 to 28 Jan 2025	1 Week
49.	NEXT-GEN Digital Marketing: Tools, Techniques and Trends	JSPM Narhe Technical campus Narhe, Pune-41	07 April 2025 to 11 April 2025	1 Week
50.	Multidisciplinary Computing: Android Development, Python Programming, Data Science and Machine Learning	JSPM Narhe Technical Campus. IEEE(IFS) Approved	22nd December 2025 to 27th December 2025	1 Week
51.	Empowering Educators and Researchers: Navigating Patents, Copyrights, and Trademarks in AI-Enhanced Learning Environments.	CMR Institute of Technology, Bengaluru. IEEE and IIC approved	29th December 2025 to 2nd January 2026	1 Week
52.	Smart Systems Engineering: PCB, IoT and Image Processing	SITCOE, YDRAV ISTE,TRS and IIC approved	5th January 2026 to 9th January 2026	1 Week

Details of Webinar/Quizzes Attended-

Sr. No.	Title	Place	Date
1.	VLSI- Standard Cell Design	Rajrajeshwari College of Engineering, Bengaluru	24th May 2020
2.	National Level E-Quiz on 'BIOMEDICAL'	Bharatratna Indira Gandhi College of Engineering,Kegaon , Solapur	13/06/2020
3.	Decoding of Artificial Intelligence	AGIMUS Technologies, RYMEC, Bellari	22/05/2020
4.	Crypto Currencies and Block Chain	Chalapathi Institute of Engineering and Technology, Lam, Guntur	19/05/2020
5.	Successful Steps towards High Quality Scientific Publications	Chalapathi Institute of Engineering and Technology, Mothadaka,Guntur	18th May 2020
6.	Knowledge Based Innovative MSME Schemes for Academic Institutions	IEEE Photonics SocietyStudent Chapter, Mangalam college of Engineering , Kottayam, Kerala, India	16th May 2020
7.	" Webinar on Artificial Intelligence & Deep Learning "	Sharad Institute of Technology, College of Engineering Yadrav-Ichalkaranji	29th June 2020.
8.	"Promoting Research through Emerging Profiling Tools and Web Technology"	Devchand College, Arjunnagar Tal-Kagal,Dist.-Kolhapur (M.S),India	16th September 2020.

9.	"Indian Space Program"	JABALPUR ENGINEERING COLLEGE, JABALPUR (MADHYA PRADESH) under TEQIP-III	5th September 2020.

Skill Up gradation Training Program

Sr.No.	Name	Institute	Year
01	Designing and Implementing Databaseusing SQL Server 2000	NIIT	Oct 2005
02	Creating Web applicationusing JAVA	NIIT	Jan 2006
03	Digital Image Processing	NPTEL Online Certification	JUL-OCT 2018 (12 Week Course)
04	Accreditation and Outcome based Learning	NPTEL Online Certification	JUL-SEPT 2021
05	Data Analytics with Python	NPTEL Online Certification	Jan-April 2022 (12 Week Course)
06	Principles of Signals and Systems	NPTEL Online Certification	20 Jan 2025 - 11 Apr 2025 (12 Week Course)
07	Digital Signal Processing and It's Applications	NPTEL Online Certification	20 Jan 2025 - 11 Apr 2025 (12 Week Course)
08	Digital Image Processing (5% Topper)	NPTEL Online Certification	21 July 2025-10 Oct 2025 (12 Week Course)
09	An Introduction to Coding Theory	NPTEL Online Certification	21 Jul 2025-12 Sep 2025 (8 Week Course)

Technical Skills:
1. C, C++, Python Programming
2. MATLAB

Subjects Taught:

Basic Electronics (F.E.), Analog Electronics Circuits and Design-I (S.E.), Analog Electronics Circuits and Design-II (S.E.), Analog Circuits- I (S.E.), Analog Circuits- II (S.E.), Signals and Systems (T.E.), Power Electronics (T.E.), Digital Signal Processing (T.E.), Digital Image Processing (B.E.), Simulation Lab (MATLAB) (T.E.), Artificial Intelligence and Deep Learning (B. Tech., T. Y.), Object Oriented Programming Paradigm (S.Y.), Operating System (S.Y.), Data structure using C (S.Y.), Programable Logic Controller (S.Y.), Python Programming (TY), PLC and SCADA (B. Tech).

Administrative Responsibilities Handled:

- **Worked as Department Academic Coordinator:** Handled all departmental academic responsibilities like time table preparation and its smooth conduction.

- **Worked as Department Moodle Coordinator:** Moodle course Updates and faculty feedbacks.

- **Worked as Department NBA Coordinator:** Gone through the NBA process, preparation of accreditation documents, including self-assessment reports and ensuring that they align with the NBA guidelines and standards, Handled Department criteria 4 of the NBA.

- **Worked as NACC criteria 2 coordinator:** preparation of accreditation documents, including self-assessment reports and ensuring that they align with the NAAC criteria 2 guidelines and standards.

- **Worked as Department Guest Lecture Coordinator:**Arranged Guest lectures of potential speakers form industry and academics

- **Worked as Department Student Association Coordinator:**Arranged various National and International level events like Impetus, Innovation, Master presenter each year.

- **Cultural Committee Head:** Organization of the Annual Gathering, Worked as faculty coordinator for Music club.
- **Worked as NIRF criteria 1 coordinators:** Handled the criteria 1 of NIRF and documentation ensuring the alignment with the criteria
- **Worked as Department Internship Coordinator.**

University and Exam related Work:

➤ Worked as Internal Examiner (POE), Worked as External Examiner (POE), University Paper setting, University Paper Supervision (Jr. Supervisor, Sr. Supervisor), University Paper Assessment, Question Paper Auditor.

Member of Professional Society:

ISTE life member (LM 56226)

Declaration:

I hereby declare that the information furnished above is true and correct to the best of my knowledge and belief.

Signature –

Name – Dr. Ghorpade Shital Ranjit