Faculty Profile

- **Faculty Name** : **Suraj Shivaji Redekar**
- **Designation** : **HoD, Assistant Professor**
- **Department** : **Computer Science & Engineering**
- **Mobile No.** : **09960251279**
- **Email Id.** : **ssr@amgoi.edu.in**

● **Educational Qualification**

Sl.	Degree	University	Class
1	B.E.- Computer Science & Engineering	Shivaji University, Kolhapur	First
2	M. Tech. - Computer Science & Engineering	Punjab Technical University, Punjab	First

● **Professional experience**:-

Total experience in years:-16

Teaching: - 16   Industrial: -00   Research: -00

Sl.	Organization	Post	Period
1	Ashokrao Mane Group of Institutions, Vathar	H.O.D & Assistant Professor	17 Feb 2021 to Till Date
2	D. Y. Pratishthan's College of Engineering, Salokhenagar	H.O.D & Assistant Professor	1 July. 2019 to 31 August 2020
3	Ashokrao Mane Group of Institutions, Vathar	Assistant Professor	1 August 2010 to 29 June 2019
4	D.Y. Patil Polytechnic, Kasaba Bawada, Kolhapur	Lecturer	1 August 2009 to 30 July 2010

➢ **Subject Taught**:-

Undergraduate Subjects			
1	Data Structures	2	Software Engineering
3	Discrete Mathematical Structures	4	Automata Theory, Theory of Computation
5	Design & Analysis of Algorithms	6	Advanced Computer Architecture
7	Compiler Design	8	Project Management
Postgraduate Subjects			
1	Design & Analysis of Algorithms	2	Advanced Compilers
3	Research Methodology	4	Advanced Software Architecture

➢ **Project Work at U.G.:-**   WEB MINING – RSS FEEDS SIMULATOR.
➢ **Project Work at P.G.:-**   REVERSIBLE DATA HIDING IN ENCRYPTED IMAGE.
➢ **Research Area of Interest:-** Algorithms, Compilers

- ➢ **Book Published :-**
- ➢ **Total 21 books published including second & third editions.**
- ➢ **Published by : Techmax Publication / TechKnowledge Publication, Pune**

Sr. No	Name of the book	University
1	Computer Algorithms	Shivaji University, Kolhapur.
2	Compiler Construction	Shivaji University, Kolhapur
3	Design & Analysis of Algorithms	Pune University
4	Compiler Design	Pune University
5	Design & Analysis of Algorithms	Rajiv Gandhi Technological University
6	Compiler Design	Rajiv Gandhi Technological University
7	Design & Analysis of Algorithms	Uttar Pradesh Technological University
8	Design & Analysis of Algorithms	Gautam Budha Technological University
9	Compiler Design	Gautam Budha Technological University
10	Design & Analysis of Algorithms	Punjab Technical University
11	Design & Analysis of Algorithms	Gujrat Technological University

- ➢ **Paper Published in National & International Journal:-**

Sr. No	Title	Name of Journal	Type* (NJ/IJ)	Date	ISSN No.
1	Optimizing Concrete Compressive Strength Prediction: A Comparative Study of Machine Learning Algorithms	International Conference on Electrical Electronics and Computing Technologies	IC	August 29-31, 2024.	ISBN No.: 979-8-3503-7809-2
2	Optimizing Concrete Compressive Strength Prediction: A Comparative Study of Machine Learning Algorithms	IEEE International Conference on Electrical Electronics and Computing Technologies (ICEECT)	IC	2024	DOI: 10.1109/ICEECT 61758.2024. 10738970
3	Twitter sentiment Analysis using Machine Learning	International Journal Of Research and Analytical Reviews (IJRAR)	IJ	4Oct 2023	Volume 10,Issue4
4	Gender Classification and Age Detection Using Face Rocognition	International Journal for Multidisciplinary Research	IJ	Nov Dec 2023	Volume 5 Issue 6
5	Precise E-mail Spam Classification Using Deep Learning	International Journal Of Scientific Research in Engineering and Management	IJ	Volume 7 Issue 8	August 2023
6	Amazon EC2 Price Prediction Using Machine Learning	Journal of Emerging Technologies and Innovative Research (JETIR)	IJ	April 2022	ISSN:63975, Volume 9, Issue 4
7	Amazon EC2 Price Prediction Using Machine Learning Techniques		IJ	Sept 2022	,Volume 7 Issue 9

8	A Survey on CV data extraction using Deep Learning	Science, Technology and Development Journal	IJ	May 2022	ISSN:0950-0707, Volume 11, Issue 5
9	Facial Image Restoration using Deep Learning	Journal of Emerging Technologies and Innovative Research	IJ	May 2022	ISSN:63975, Volume 9, Issue 5
10	Long Distance Object Detection using Deep Neural Network	Journal of Emerging Technologies and Innovative Research	IJ	May 2022	ISSN:63975, Volume 9, Issue 5,
11	Facial Image Restoration using GAN Deep learning Model	International Research Journal of Engineering and Technology (IRJET)	IJ	Sept 2022	E-ISSN: 2395, Volume 9, Issue 9,
12	A Review on Hybrid Vigenere - Polybus Cipher with XOR operation for Enhanced Cryptography	Journal of Emerging Technologies and Innovative Research (JETIR)	IJ	May 2022	ISSN:2349-5162, Volume X, Issue X,
13	A Review on Gender Classification and Age Detection Using Face Recognition	Journal of Emerging Technologies and Innovative Research (JETIR)	IJ	May 2023	Volume 10,Issue5
14	Food Discernment and calories estimation using segmentation	Journal of Emerging Technologies and Innovative Research (JETIR)	IJ	May 2023	Volume 10, Issue 5
15	Precise E-mail Spam Classification Using Deep Learning	International Journal ofComputer Science Trends And Technology	IJ	March 2023	Volume 11 Issue
16	A Review paper on sentiment Analysis Methodologies,Practices and Applications	International Journal ofComputer Science And Mobile Computing	IJ	23-06-2023	
17	Analysis of Voters using Data Mining	International Journal of Advanced Engineering & Technological Research	IJ	Nov – Dec 2012	Volume 1 Issue 4
18	Embedding of Data in the Image in Reversible Manner	International Journal of Advanced Engineering & Technological Research	IJ	Nov – Dec 2012	Volume 1 Issue 4

  * NJ- National Journal   IJ- International Journal
   ➢ **No. of Project Guided at U.G. Level:-   45**
   ➢ **No. of Project Guided at P.G. Level:-   18**
   ➢ **STTP/FDP/Workshops/Attended/Participated:-**

Sl.	Name of STTP/FDP/workshop	Organized By	Date
1	One week FDP on Drone Technology	AMGOI, Vathar	01 to 6/07/2024
2	FPD on Urban Development of Smart Cities and Mobility	AMGOI, Vathar	30/12/24 to 4/1/25
3	FDP on Latex	AMGOI, Vathar	06/01/25 to 11/1/25
4	FDP on The role of Teachers in NEP 2020 implementation	AMGOI, Vathar	21/08/23 to 25/08/23
5	NBA Accreditation & Teaching & learning in Engg (NPTEL)	AMGOI, Vathar	23/01/23 to 30/04/23
6	One day webinar on AI & ML	AMGOI, Vathar	8/4/2021
7	Overview of NAAC Process	DYP, Salokhenagar	10th Aug. 2020

8	One week online workshop on Project Management	Coursera	July 2020
9	One week online workshop on Machine Learning	Skyfi Labs	June 2020
10	Awareness about NAAC Process	DYP, Salokhenagar	5th Dec. 2019
11	Techzooka	Infosys Pune	28th, 29th Nov. 2019
12	Fuzzy Systems & application in CSE	DYP, Salokhenagar	15th Sept. 2019
13	BE CSE Syllabus Revision	T.K.I.E.T.	10th Sept. 2019
14	MATLAB Programming	AMGOI, Vathar	September 2018
15	ISTE approved STTP on Information Security	ADCET, Ashta	11th to 15th Dec. 2017
16	Neural Network, Fuzzy Logic & Genetic Algorithm	AMGOI, Vathar	23rd Sept 2017
17	Research Methodology	AMGOI, Vathar	13th 15th June 2017
18	Examination Reforms in Higher Education	Shivaji University	16th,17th Feb 2017
19	Accreditation By NBA- June 2015 Format	AMGOI, Vathar	8th Nov. 2015
20	Overall Personality Development	AMGOI, Vathar	18th Feb 2015
21	Computer Networks	AMGOI, Vathar	11th Oct. 2014
22	SE CSE Syllabus Revision	DYP, Kasba Bawda	30th Jan. 2014
23	43rd ISTE Annual Convention Empowering Technical Education to address sustainability & global Competitiveness	AMGOI, Vathar	19th – 21stDec.
24	Introduction to Robotics	DKTE, Ichalkaranji	8th – 9th Oct. 2013
25	Essential of usual modelling and Rational Software Architect	AMGOI, Vathar	21st to 24th January 2013
26	Latex	AMGOI, Vathar	14th July 2012
27	Modern Practices of Teaching – Learning Process & Pedagogy	AMGOI, Vathar	7th January 2012
28	Campus Connect Program	DYP, Kasba Bawda	5th April 2011
29	Research Avenues in CS & IT	DYP, Kasba Bawda	26th,27th Feb. 2011

➢ **Programs Organized:-**

Sl.	Name of Program	Institute	Date
1	One day seminar on Diverse domain in CSE	AMGOI, Vathar	21 Nov. 2024
2	One Week Add on Course in C Programming	AMGOI, Vathar	5th - 9th Aug 2024
3	Two Week Add on Course in C Programming	AMGOI, Vathar	2nd - 14th Aug 2023
4	One Day Seminar on GATE Awareness	AMGOI, Vathar	30 March 2023
5	One Week Add on Course in C Programming	AMGOI, Vathar	12th - 17th Sept 2023
6	One day Webinar on Digital Marketing & IT sector	AMGOI, Vathar	8th Jan 2022
7	One day Webinar on Campus Placement Preparation	AMGOI, Vathar	29th May 2021
8	Overview of NAAC Process	DYP, Salokhenagar	10th Aug. 2020
9	Awareness about NAAC Process	DYP, Salokhenagar	5th Dec. 2019
10	One day workshop on Introduction to Microprocessor	DYP, Salokhenagar	17th October 2019
11	Importance of Internship & Sponsored Project	DYP, Salokhenagar	3rd Oct. 2019
12	National Level Technical Event TECHNOPHILIA	AMGOI, Vathar	2017 Onwards
13	National Level Technical Event REFLEX	AMGOI, Vathar	2014 Onwards
14	2 Days workshop Basics of Computer network	AMGOI, Vathar	Sept. 2012

➢ **Special Achievements :-**
➢ Appreciation letter received for Excellent Performance in Autonomous work.

- Appreciation letter received for Excellent in Admission process as the admission cell incharge.
- **S**ecured **Best Outstanding Teacher** award for the year 2019 -20 of DYPCOE, Salokhenagar Campus.

- Appreciated & Felicitated by Dr. V. C. Gaikar (Vice Chancellor, DBATU) for writing Technical books in Computer Science on 30th March 2017.

- **Departmental Responsibilities:-** NBA, NAAC, IQAC Coordinator, Website Administrator
- **Other Experience/Responsibilities If Any :-**
- **Social Contribution If Any:-** Notebook Donation, Tree Plantation, Blood Donation
  1. **Professional Membership If Any:-** Life member of ISTE (LM 87033)