

## Faculty Profile

- **Faculty Name** : **Bhosale Sarvajeet Amarjeet**
- **Designation** : **Assistant Professor**
- **Department** : **Electronics & Telecommunication Engineering**
- **Mobile No.** : **07755900244**
- **Email Id.** : **sab@amgoi.edu.in**

### ● Educational Qualification

Sl.	Degree	University	Class
1	B.E.- Electronics	Shivaji University, Kolhapur	First Class with Distinction
2	M.E. – E&TC	Shivaji University, Kolhapur	First Class with Distinction
3	Ph.D - Electronics	Shivaji University, Kolhapur	Pursuing

### Qualified GATE2023

### ● Professional experience:-

**Total experience in years:-12**

**Teaching: - 12 years**

**Industrial: -00**

**Research: -00**

Sl.	Organization	Post	Period
1	Ashokrao Mane Group of Institutions, Vathar	Assistant Professor	08-01-2016 to Till Date
2	Dhananjay Mahadik Group of Institution, Vikaswadi, Kagal	Assistant Professor	1.5 yrs
3	Bharati Vidyapeeth's College of Engineering, Kolhapur	Assistant Professor	19-07-2013 to 28-05-2014

### □ Subject Taught:-

Undergraduate Subjects			
1	Embedded System	2	Digital Image Processing
3	Satellite Communication	4	Mechatronics
5	Control System Engineering	6	Microprocessors and Microcontrollers
7	Computer Programming	8	C++ Programming
9	Python Programming	10	Data Structures
11	Antennas and Wave Propagation	12	Introduction to Internet of Things
13	Fiber Optic Communication	14	Entrepreneur Development

- **Project Work at U.G.:-** Real Time device control for Machine Shop Automation
- **Project Work at P.G.:-** Image Stitching by Extracted frames from video
- **Research Area of Interest:-** Image Processing

**Paper Presented in National & International Conference:-**

Sl.	Title	Name of Conference & Institute	Type* (NC/IC)	Date
1	A Review on Face Emotion Recognition using EEG Features and Facial Features	1st International Conference on Cognitive Computing and Engineering Education	IC	27 <sup>th</sup> April, 2024
2	A Review on Speech based approach in Emotion Recognition	International conference on 6G and Wireless Network Technology	IC	3 <sup>rd</sup> April, 2023
3	A Spread-Spectrum Audio Watermarking Scheme Based on Geometric Invariant Features	International Conference on Computing Methodology and Communication (IEEE)	IC	2018
4	A Reversible Data Hiding For Security Application	International Conference on Recent innovations in Engineering and Management	IC	23 <sup>rd</sup> March, 2016
5	“Image stitching by extracted frames from video using SIFT”	National Conference on Emerging Trends in Engineering and Technology, 2013	NC	3 <sup>rd</sup> October, 2013
6	“Two Layer Sparse Coding”	National Conference on Emerging Trends in Engineering and Technology, BVCOEK,2012	NC	15 <sup>th</sup> February, 2012

\*NC- National Conference

IC- International Conference

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

Sl.	Title	Name of Journal	Type* (NJ/IJ)	Date	ISSN No.
1	Gender Classification Based on Hybrid Deep Learning Algorithm	Journal of Electrical Systems	IJ	Dec 2024	8334 - 8346
2	Optimized Closed Loop Speed Control of Motors via Full-Bridge Controlled Rectifier System	International Journal of Research Publications and Reviews	IJ	Nov 2024	2582-7421
3	Hybrid CNN-RF Algorithm for Facial Expression Recognition using Different Datasets	International Journal Of Intelligent Systems and Applications in Engineering	IJ	March 2024	3520–3528
4	Autonomous Delivery Robot with Face Recognition	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE)	IJ	June 2021	2278-8875



□ **Expert Lectures Delivered as a Resource Person:-**

Sl.	Name of STTP/FDP/workshop/Conference	Institute	Date
1	PCB Designing using ORCAD and Proteus	AMGOI	23 <sup>rd</sup> February, 2017
2	One day workshop on “Matlab GUI”	AMGOI	12/09/2018
3	FDP	AMGOI	19 <sup>th</sup> June, 2018
4	TCS training program	AMGOI	28 <sup>th</sup> August, 2019
5	Two days’ workshop on Arduino	AMGOI	Oct 2019
6	Gate Lecture Series	AMGOI	8 <sup>th</sup> and 9 <sup>th</sup> January, 2020
7	Hands on Training on Arduino for E&TC Students	AMGOI	16 <sup>th</sup> to 18 <sup>th</sup> March, 2021
8	Hands on Training on Arduino for CSE Students	AMGOI	16 <sup>th</sup> – 20 <sup>th</sup> March, 2021
9	Hands on Workshop on Arduino (AMP, Vathar)	AMP	30 <sup>th</sup> March to 1 <sup>st</sup> April, 2021
10	Object Oriented Programming on Python	AMGOI	27 <sup>th</sup> June 2021
11	Object Oriented Programming on Python	AMGOI	10th July 2021
12	Expert Lecture on IOT	AMGOI	13th June, 2022
13	Hands On training on Arduino	AMGOI	18th June, 2022 to 20 <sup>th</sup> June, 2022
14	One day Workshop on Arduino	AMGOI	27th Sept, 2022
15	Robotics and IOT	AMGOI	22nd Nov, 2022
16	Robotics and IOT	AMGOI	23rd Nov, 2022
17	5 days Hands On training on Arduino	AMGOI	5, 19, 23, 24 <sup>th</sup> Aug and 2 <sup>nd</sup> September, 2023
18	Two Days hands on workshop on Application of Embedded design and IOT	BVCOEK	28 <sup>th</sup> and 29 <sup>th</sup> Sept, 2024
19	Skilling Program on Applications of Embedded and IOT Devices	AMGOI	20 <sup>th</sup> to 27 <sup>th</sup> Sept, 2024
20	Enhancing Engineering Skills Using softwares	AMP, Vathar	10 <sup>th</sup> Feb, 2025
21	Extension Activity at Kini Highschool, Kini	Kini Highschool	1 <sup>st</sup> April, 2025

□ **STTP/FDP/Workshops/Attended/Participated:-**

Sl.	Name of STTP/FDP/workshop	Institute	Date
1	LaTeX	Spoken Tutorial Project, IIT Bombay	6 <sup>th</sup> to 11 <sup>th</sup> Jan, 2025
2	Advanced Machine Learning using Python	Edunet Foundation	18 <sup>th</sup> Dec, 2024
3	NEP 2020 Orientation and Sensitization Programme	UGC-MMTTC (GAD-MMTTC), Shri Guru Tegh Bahadur Khalsa College, University of Delhi	02 <sup>nd</sup> Dec, 2024
4	One week International Level Faculty Development Program on "AI innovations and Matlab Solutions"	Department of E&TC, ISF PCCOER in Association with DesignTech and Mathworks	23 <sup>rd</sup> to 28 <sup>th</sup> Sept, 2024
5	21 Days Master Class on STM32 - Nucleo 64	Pantechtech e Learning Pvt Ltd, Chennai	9 <sup>th</sup> to 29 <sup>th</sup> Sept, 2024

6	Five Days National Level Online FDP on “Writing An Effective Research Article: Tips and Tricks”	KLS VEDIT, Haliyal, Karnataka	3 <sup>rd</sup> to 7 <sup>th</sup> Oct, 2023
7	Two Days online FDP on “IPR and Patent Subject Matters”	KLS VEDIT, Haliyal, Karnataka	9 <sup>th</sup> and 10 <sup>th</sup> Nov, 2023
8	FDP on “ Internet of Things, Augmented Reality & Virtual Reality”	D. Y. Patil College of Engineering & Technology, Kolhapur	2 <sup>nd</sup> to 6 <sup>th</sup> Jan, 2023
9	Training on Energy Literacy	Energy Swaraj Foundation	17 <sup>th</sup> Feb, 2023
10	2 days FDP by Northstrom Academy	Northstrom Academy (Online)	13 <sup>th</sup> and 14 <sup>th</sup> May, 2020
11	Electrical Vehicle Design by Hindustan Institute of Technology and Science in associated with Pantech	Pantech Solutions	15 <sup>th</sup> May, 2020
12	Trends and Technologies on VLSI	Pantech Solutions	17 <sup>th</sup> May, 2020
13	How ML works for OpenCV Applications	Pantech Solutions	18 <sup>th</sup> May, 2020
14	Two days National Webinar on Advanced Excel organized by IQAC and BCAF department of Ghanshyadas Saraf College of Engineering Arts and Commerce, Mumbai	Ghanshyadas Saraf College of Engineering Arts and Commerce, Mumbai	20 <sup>th</sup> and 21 <sup>st</sup> May, 2020
15	Role of IOT on Industrial Applications	Pantech Solutions	May, 2020
16	Raspberry Pi with Open CV, hosted by Vardhman College of Engineering	Vardhman College of Engineering	25 <sup>th</sup> May, 2020
17	DBATU, Lonere TEQIP-III sponsored online FDP on Industry 4.0 Data Analytics, Disruptive Technologies in associated with SBGI, Miraj	SBGI, Miraj	26 <sup>th</sup> to 31 <sup>st</sup> May, 2020
18	Mathematical Modelling and Numerical Techniques	Ashokrao Mane Group of Institutions, Vathar	9 <sup>th</sup> to 13 <sup>th</sup> December, 2019
19	Short term training program on Electric Vehicles	KLE, Belgavi	1 <sup>st</sup> to 6 <sup>th</sup> January 2019
20	Optimization Techniques for Engineering Application	Ashokrao Mane Group of Institutions, Vathar	24 <sup>th</sup> & 25 <sup>th</sup> November, 2017

21	Induction Program	Ashokrao Mane Group of Institutions, Vathar	3rd to 9th November, 2016
22	Embedded System Design and Implementation using ARDUINO	Ashokrao Mane Group of Institutions, Vathar	2nd Jan to 5th January, 2016
23	Matlab and hardware interfaces	-	25th July, 2014
24	“Recent trends in Communication Engineering and Methodology	Bharati Vidyapeeth’s College of Engineering	15th to 19th January, 2014
25	Two days’ workshop on “MSP430-16 bit microcontroller”	Bharati Vidyapeeth’s College of Engineering	29th and 30th August, 2013
26	ISTE approved Short Term Training Program on “SOFTWARES USED FOR RESERCH”	Bharati Vidyapeeth’s College of Engineering	11th to 15th January, 2013

□ **Programs Organized:-**

Sl.	Name of Program	Institute	Date
1	Advanced Trends in Embedded System	Dhananjay Mahadik Group of Institution	January, 2015
2	Guest Lecture on Disaster Management	AMGOI	9 <sup>th</sup> July, 2016
3	Project Selection and defining a Problem Statement	AMGOI	13th July, 2016
4	Guru Purnima	AMGOI	17th July, 2016
5	Opportunities in IT infrastructure	AMGOI	27th August,
6	Teachers’ Day	AMGOI	7 <sup>th</sup> September, 2016
7	Fresher’s Welcome and ETSA Inaugural Function	AMGOI	23rd September, 2016
8	PCB Designing using ORCAD and Proteus	AMGOI	23 <sup>rd</sup> February, 2017
9	e-Vision 2K17	AMGOI	10 <sup>th</sup> March, 2017
10	Workshop on GUI and Its Applications in MATLAB	AMGOI	11 <sup>th</sup> October, 2017
11	Awareness about German Language	AMGOI	14th October, 2017
12	“Social Activity” Books and Food Commodities distribution at AVANI Sansthan	AMGOI	17th January, 2018
13	e-Vision 2K18	AMGOI	12th March, 2018
14	Career Opportunities and resources in Electronics Field	AMGOI	26th July, 2018

15	Introduction to Electronics Tools and Simulation Software	AMGOI	20th July, 2019
16	PCB Design using Proteus	AMGOI	27th July, 2019
17	Two Days Training Session on Basics of MATLAB	AMGOI	15th January, 2020
18	Industrial visit of Final Year E&TC Students is arranged at Sahyadri Sahakari Sugar Factory Ltd	AMGOI	24th January, 2020.
19	Raigad Trek of final year E&TC Students	AMGOI	25th January, 2020
20	Lohgad Trek of Third Year E&TC Students	AMGOI	14th February, 2020
21	Industrial Visit of Third Year E&TC Students	AMGOI	15th February, 2020
22	e-Vision 2020	AMGOI	7th March, 2020
23	Workshop on Arduino Programming	AMGOI	23 <sup>rd</sup> to 25 <sup>th</sup> Aug, 2023
24	'Real Experience' with Virtual Reality (VR) – Game Event	AMGOI	15 <sup>th</sup> Sept, 2023
25	Alumni Talk on “How to Prepare for Campus Interviews”	AMGOI	25 <sup>th</sup> Sept, 2023
26	Reflex 2k23 – Project Competition	AMGOI	24 <sup>th</sup> Nov, 2023
27	Annual Sports 2k24	AMGOI	15 <sup>th</sup> Feb, 2024
28	Annual Social Function FUSION 2k24	AMGOI	23 <sup>rd</sup> Feb, 2024
29	One week Hands on Skilling Program on Application of Embedded & IOT Devices	AMGOI	20 <sup>th</sup> to 27 <sup>th</sup> Sept, 2024
30	Alumni Talk	AMGOI	20 <sup>th</sup> Sept, 2024
31	Engineers Day (Tech Fest 2K24)	AMGOI	26 <sup>th</sup> Sept, 2024
32	Extension Activity	AMGOI	22 <sup>nd</sup> Nov, /2024
33	SDP on Hands on Learning in Robotics Automation	AMGOI	25 <sup>th</sup> to 30 <sup>th</sup> Nov, 2024
34	Ideathon based on Shark Tank	AMGOI	28 <sup>th</sup> Feb, 2025
35	Annual Sports 2K25 (Badminton)	AMGOI	04 <sup>th</sup> to 05 <sup>th</sup> March, 2025
36	Fusion 2K25 – Cultural Concert	AMGOI	11 <sup>th</sup> March, 2025
37	Extension Activity at Kini Highschool, Kini	AMGOI	1 <sup>st</sup> April, 2025

38	Introduction to Industrial Automation	AMGOI	23 <sup>rd</sup> April, 2025
Different non-technical programs were organized under ETSA.			

- Book Published:-** 01
- Departmental Responsibilities:-**ETSA Coordinator, Training and Placement Coordinator, Alumni Coordinator, EDC/CDC, Feedback, Electronics Club Coordinator, Central Project Coordinator, Internship Coordinator.
- Other Experience/Responsibilities If Any :-** Cultural Function Coordinator, Athletics
- Social Contribution If Any:-** Donated Blood, Contribution to NGO
- Professional Affiliation:-** --
- Patents:-** 02