Faculty Profile

- **Faculty Name** : **Mr. Vikas A. Patil**
- **Designation** : **Assistant Professor**
- **Department** : **Computer Science & Engineering**
- **Mobile No.** : **9766793660**
- **Email Id.** : **vap@amgoi.edu.in**

- **Educational Qualification**

Sr. No.	Degree	University	Class
1	Ph.D. (Scholar) – Electronics & Communication	V.T.U. Belgavi	--
2	M. Tech. – Electronics Engineering	Shivaji University, Kolhapur	Distinction
3	B.Tech.- Electronics and Telecommunication Engineering	Shivaji University, Kolhapur	Distinction

- **Professional experience**:-

Total experience in years:-11.5

Teaching: - 8.5   **Industrial: -03**   **Research: -00**

Sr. No.	Organization	Post	Period
1	Ashokrao Mane Group of Institutions, Vathar	Assistant Professor	26 Aug 2024 to Till Date
2	Nanasaheb Mahadik College of Engineering, Peth	Assistant Professor	23/05/2022 to 23/08/2024
3	Rajarambapu Institute of Technology, Sakharale	Assistant Professor	06/08/2018 to 31/05/2019
4	Annasaheb Dange College of Engineering & Technology, Ashta	Assistant Professor	17/06/2013 to 30/12/2017

- **Subject Taught**:-

Undergraduate Subjects			
1	Cloud Computing	2	Programming Languages (C/C++)
3	Electromagnetic field theory	4	Python Programming
5	Digital Electronics	6	Computer Networks
7	Electric machine & Instruments	8	Transducers & Measurement
9	Power Electronics	10	Mechatronics
11	Analog Communication	12	Business Communication
13	Fundamentals of Electronics and Computer	14	Industrial Automation & Control

- **Project Work at U.G.:-**   Remote operated wheelchair for physically disabled people
- **Project Work at P.G.:-**   MSP430 based Low power WSN for smart irrigation
- **Research Area of Interest:-** VLSI Design, Image Processing
- **Book Published :- 00**

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

Sl.	Title	Name of Journal	Type* (NJ/IJ)	Date	ISSN No.
1	"Low Power Embedded System Design for Field Irrigation Management System using Wireless Sensor Network and MSP430"	2nd National Conference on Computer, Communication & Information Technology, Sinhgad Institute of Computer Sciences (MCA), Pandharpur (MS), India,	NC	Feb. 15-16, 2013	--
2	"Wireless sensor network based low power embedded system design for automated irrigation system using msp430"	International Journal of Engineering Research and Technology(IJERT), volume 2, issue 5	IJ	May 2013	2278-0181
3	"Monitoring of turbidity, PH & Temperature of water based on GSM"	International Journal for Research in Emerging science and Technology (IJREST), volume 2, issue 3	IJ	March 2015	2349-7610
4	"MSP430 based mine monitoring and control using wireless sensor networks"	International Research Journal of Engineering and Technology (IRJET), volume 2, issue 2	IJ	May 2015	2395-0056
5	"Image Compression and Reconstruction Using Artificial Neural Network",	International Research Journal of Engineering and Technology (IRJET), volume 3, issue 2	IJ	Feb 2016	2395-0056
6	"Office Automation Using Plc System"	International Research Journal of Engineering and Technology (IRJET), volume 3, issue 2	IJ	Feb 2016	2395-0056
7	"Recent Application and Future Development Scope in MEMS"	International Research Journal of Engineering and Technology (IRJET), volume 4, issue 2	IJ	Feb 2017	2395 - 0056
8	"DTMF based Cell Phone Controlled Robot Car using Microcontroller"		International Journal of Innovative Research in Computer and Communication Engineering, Volume 11, Issue 6	IJ	June 2023	2320-9801
9	"Power Saving Mechanism for Streetlight by using IoT"	International Journal for Research in Applied Science & Engineering Technology (IJRASET) Volume 11 Issue V	IJ	May 2023	2321-9653

*   NJ- National Journal   IJ- International Journal

* NC- National Journal   IC- international conference

➢ **No. of Project Guided at U.G. Level:-**   20

➢ **No. of Project Guided at P.G. Level:-**   00

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

Sl.	Name of STTP/FDP/workshop	Organized By	Date
1	FDP on Design "Thinking - A Primer"	NPTEL-AICTE, IIT Madras	4 Weeks (Jul-Aug 2024)
2	A Webinar on "How AI and ML are Shaping the Future of Civil Infrastructure Monitoring - An Introduction"	IIC-GCE, Ramanagara, Karnataka	21st September 2024.
3	Course "Basics of Python"	Infosys Springerboard	11th December 2024
4	FDP on "Advanced Machine Learning using Python with Green Technology"	Edunet Foundation & AMGOI, Vathar	18th December 2024 to 21st December 2024.
5	FDP on "LaTeX"	Spoken Tutorial Program by IIT Bombay & AMGOI, Vathar	6th January 2025 to 11th January 2025
6	Course on "Effective Engineering Teaching in Practice"	NPTEL-AICTE, IIT Madras	4 Weeks (Jan-Feb 2025)
7	NEP 2020 Orientation & Sensitization Programme	MM-TTP & UGC	7th January 2025 to 17th January 2025
8	A Webinar on "Principles of Outcome Based Education"	VMEDULIFE Software	28th January 2025
9	FDP on "Outcome Based Education, Autonomy & NEP"	SGI, Panhala	6th March 2025 to 11th March 2025

➤ **Departmental Responsibilities:-** Central Website Coordinator, IIC Cell
➤ **Other Experience/Responsibilities If Any :-**
➤ **Social Contribution If Any:-**   Tree Plantation, Blood Donation
  1. **Professional Membership If Any:-** Life member of ISTE **(LM 106952)**