

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

Teaching: - 08

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