

Jirage Goutam Bapu
Branch: Electronics Science
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Email Id: gjirage@gmail.com

Career Objective

To work in the field that challenges my technical, analytical and communication abilities. I would like to enhance my skills and knowledge while working and contributing towards the goals of an organization and institution.

Educational Qualification

EXAM	YEAR	UNIVERSITY/BOARD	PERCENTAGE /CLASS
SET	29 th Dec 2016	SavitribaiPhule Pune University, Pune	-
Ph.D	Appearing	Shivaji University kolhapur	Appearing
M.Sc.	May 2011	Shivaji University, Kolhapur	60.88% 1 st Class
B.Sc.	April 2009	Shivaji University, Kolhapur	57.76% 2 nd Class
H.S.C	February 2006	Kolhapur Board.	42.67% 2 nd Class
S.S.C.	March 2003	Kolhapur Board .	60.93% 1 st Class

Project

- For Ph.D: Development of Gas Sensing System for Sugar Industry
- Ultrasonic distance meter using dSPIC 40f4013 (M.Sc)
- Interfacing LCD using 8051 Microcontroller. (B.Sc).
- Design of Gates using Fuzzy logic.
- Design of single phase to single phase Cycloconvertor

International Journal Research Papers

1. **G. B. Jirage**, B. T. Jadhav, P. A. Kadam “Portable Wireless Liquid Petroleum Gas leakage Detection System for Home and Industrial Automation” International Journal of Electronics, Electrical and Computational System IJEECS ISSN 2348-117X Volume 5, Issue 5 May 2016

2. **G. B. Jirage**, B. T. Jadhav, P. A. Kadam “Calibration of Combustible and toxic Gas Sensor for Industrial Applications” International Journal of Innovative and Emerging Research in Engineering Volume 3, Issue 11, 2016
3. V. B. Gaikwad, **G. B. Jirage**, A. R. Patil, R. A. Nimbalkar, P. A. Kadam “License Plate Detection Method For Yellow Plate Of Indian Vehicle” ISSN (e): 2250 – 3005 Volume, 08 Issue, 9 September – 2018
4. Patil Ashvini.R, V. B. Gaikwad, **G.B.Jirage**, P A. Kadam “Detection of Disease Affected Region of Plant Leaf Using Image Processing Technique” International Journal of Computational Engineering Research (IJCER) ISSN (e): 2250 – 3005 Volume, 09 ,Issue, 5 May– 2019
5. S. R. Patil, S. A. Patil, R. V. Babar, **G.B. Jirage**, P. K. Gaikwad “ DEVELOPMENT OF VOICE RECGNITION BASED HOME AUTOMATION SYSTEM USING BLURTOOTH” Journal of emerging Technologies and Innovative Research (JETIR) Volume 8, Issue 8, August 2021.
6. Patil Ashvini.R, V. B. Gaikwad, **G.B. Jirage**, P. A. Kadam “Classification of Plant Diseases Based on Smart Vision”, Alochana Chakra Journal, Volume IX, Issue XI, November/2020
7. P. S. Jadhav, C. B. Patil, **G. B. Jirage**, R. R. Mudholkar “FPGA based Data Acquisition System for Machine Tool Spindle” International Journal of Innovative Science and Research Technology ISSN No:-2456-2165 Volume 8, Issue 5, May 2023

Research publications (Conference proceedings), Conferences, Workshops:

1. **G. B. Jirage**, B. T. Jadhav, P. A. Kadam “Design And Development of Gas Sensing Syatem” in Proceedings of National Conference on Latest Advances, Trends in Electronic Science and Technology (LATEST - 2014) held at Shivaji University Kolhapur on 14th, 15th February 2014.
2. P. A. Kadam, **G. B. Jirage**, A. R. Patil, S.A. Shinde, B. T. Jadhav “Fire Surveillance System for Crop using TI-CC1200” in the National Conference organized by Department of Electronics and Computer science, Shivaji University Kolhapur, on Emerging Trends in Electronics and Computer Sciences, held on 13th ,14th Feb. 2015.
3. **G. B. Jirage**, P. A. Kadam, B. T. Jadhav “Development of Portable Air Quality Detector based on Ultra Low Power MSP430 Microcontroller” in proceedings of national conference on Modern Approach for Green Electronics and Computing 29th and 30th Sept. 2014.
4. **G. B. Jirage**, A. R. Patil, B. T. Jadhav, P. A. Kadam” Carbon Monoxide Gas Detection using Ultra Low Power Microcontroller. ” in proceedings of national conference on Emerging Trends in Electronics held on 9th Feb 2016.
5. Workshop on “Radio Transmission Antennas” organized by department of Electronics, Vivekanand College Kolhapur (Autonomous), RUSA sponsored, 10th March 2022.
6. **Jirage G. B.**, Patil A. R., Kadam P. A., Raut B. J., P. S. Jadhav, Jadhav B. T. “Cross-sensitivity Minimise by Using Adaptive Neuro-Fuzzy Inference System” One Day International Conference On “Recent Trends in Science and Technology” organized by Willingdon College, Sangli, 29th June 2022.
7. MS-DEED Level 1 In-Person Workshop on “Introduction to Innovative Pedagogies for UG Teachers” organized by Maharashtra State Faculty Development Academy Pune in

collaboration with Indian Institute of Science Education and Research Pune at Vivekanand College, Kolhapur (Autonomous), 4th November 2022 to 6th November 2022.

Experience

- Worked at Devchand College, Arjunnagar as assistant professor (CHB) Year 2011 to 2015
- Working at Devchand College Arjunnagar, as assistant professor (Non-Grant) form 2017-19
- Worked at School of Nanoscience and Technology as assistant professor (CHB) Year 2019 to 2020
- Working at Viveanand College, Kolhapur as assistant professor (CHB) since 2022

Hardware/software Skills

- Keil for 8051 controller, Pinnacle for 8051 controller,
- MPLAB IDE & HI-TECH C for PIC microcontroller
- MATLAB software
- VHDL programming using Xilinx software.
- Micro-C for PIC controller.
- MPLAB for PIC controller.
- PSIM software
- Protel, Eagle for PCB designing.

Personal Information

Name : Mr. Jirage Goutam Babu
Sex : Male.
Marital Status : Single.
Languages known : English,Hindi & Marathi.
Hobby : Reading Books, Research, Energy Psychology,Astronomy
Permanent Address : A/p: Galgale, Tal-Kagal, Dist:- Kolhapur. 416235
Date of Birth : 24th Oct, 1987

Volunteer Work

- Participated actively in plantation and watering of plants regularly along with social groups.
- Active member of UMED FOUNDATION, Kolhapur.

Declaration

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Yours Sincerely,

Mr. Jirage Goutam Bapu.