*Dr. Girish Shrikrushnarao Bhavekar*
B.E, M.E, Ph.D (VIT University)
Email: gbhavekar2020@gmail.com
Mob No: 9595207331/9588419332
Web of Science Researcher ID: HMD-6138-2023
Scopus Researcher ID: 57459000700
Orcid: https://orcid.org/0000-0002-5084-0927

## Career Objective:

Aspiring to leverage my extensive background in Biodata, coupled with a passion for teaching and research, to excel as an Associate Professor. Committed to fostering an engaging learning environment, conducting cutting-edge research, and mentoring students to achieve academic excellence. Eager to contribute my expertise to advance the field of Biodata through innovative research, collaborative initiatives, and effective teaching methodologies

## Academic Qualifications:

| Degree | Year | University | Institute | Specialization | Marks/ CGPA/SGPA |
|---|---|---|---|---|---|
| MBA (Business Analytics) | 2024-2025 | Sant Gadge Baba Amravati University, Amravati, (MH) (Govt. State University) | SSMITA Amravati | (Business Analytics) | 3 Sem CGPA 8<br>4 Sem- Result Awaited |
| *Ph.D.- Full Time: Stipend Category* | 2020-2023 | **VIT** *Vellore Institute of Technology, Andhra Pradesh Campus* | **VIT** *Vellore Institute of Technology, Andhra Pradesh Campus*<br>*Research Lab: High Performance ComputingLab* | **(SENSE: Specialization in Artificial Intelligence & Machine Learning)** | Ph.D Awarded on 03-June-2023 |
| M.E *Full Time* | 2014-2016 | Sant Gadge Baba Amravati University, Amravati, (MH) (Govt. State University) | G.H Raisoni Collegeof Engg. &Mgnt. Amravati (MH) | Electronics & Telecommunication Engineering. - ***Image Processing*** | SGPA=9.00<br>CGPA=7.74 |
| B.E *Full Time* | 2011-2014 | Sant Gadge Baba Amravati University, Amravati, (MH) (Govt. State University) | SSPM Sipna COET Amravati (MH) | Electronics & Telecommunication Engineering. | SGPA=8.14<br>CGPA=7.55 |
| D.E Diploma In Engg | 2008-2011 | MSBTE Mumbai | Amravati Polytechnic, Amravati (MH) | Electronics & Telecommunication Engineering. | 77.70% |
| SSC | 2008 | MSBSHSE Pune | New High School Main, Amravati | Eng,Hindi,Sci, Maths, | 70.76% |

## Ph.D. Work on Artificial intelligence.

**Tittle:** DIAGNOSIS OF CARDIAC ABNORMALITIES USING ARTIFICIAL INTELLIGENCE TECHNIQUES
**Guide:** Dr. Agam Das Goswami
**Department:** School of Engineering (SENSE)
**Research Implementation Area:** Artificial Intelligence (Healthcare)
**Research Implementation Lab:** HPC Lab High Performance Computing
**Date of Registration:** 15/08/2020
**Date of Award:** 03/06/2023

## Ph.D. Work on Artificial intelligence, Machine learning, Deep learning, BioInspired algorithm

**Method 1: https://doi.org/10.1007/s41870-022-00896-y**

In this research we have developed a hybrid deep learning methodology for the categorization of cardiac disease. Classifying synthetic data using RNN and LSTM hybrid approaches has been done using different cross-validations. We employed a variety of machine learning and deep learning methods to assess system performance throughout the trial. The accuracy of each algorithm's categorisation is shown in the results section. As a result, we can say that deep hybrid learning is more accurate than either classic deep learning or machine learning techniques used alone.

**Method 2: DOI: 10.4018/IJSIR.302609**

In this method proposed a HEOA-based LightGBM classifier for forecasting the coronary heart diseases. The preprocessing is performed using data imputation, which uplifts the features of the data and the formation of feature vector strengthens the process by adding supreme features. The significance of the research is proved by effectively tuning the parameters, which optimise the time period and achieve an accuracy rate of 93.064%, specificity rate of 95.618%, and sensitivity rate of 91.038%.

**Method 3: https://doi.org/10.1007/s41870-022-01071-z**

In this research, a novel ensemble-based classification model that combines the efficiency of convolutional neural networks (CNN) with linear & bio-inspired classifiers like random forests (RF), support vector classifier (SVC), and k-nearest neighbor (kNN) classifier is proposed. This classifier classified arrhythmia datasets taken from Massachusetts Institute of Technology-Beth Israel Hospital (MIT-BIH) with an accuracy of 99.98%, that is currently highest amongst all the decent algorithms. The system also provides a high value of precision of 99.48%, recall of 99.73%, and 99.6% of f-Measure. Judicial selection of features became possible by combining several layers CNN network, with linear & bio-inspired classifiers. The proposed model outperformed with the decent models and affirms its real-time applicability for clinical usage over multiple patient types.

**Method 4: DOI: 10.22266/ijies2023.1231.08,**

In this study, data from patients and key clinical factors are used to identify cardiovascular disease using machine learning. The main goal of the suggested model is to improve the accuracy and reliability of predicting cardiac disease by focusing on parameter tuning, ensemble methods, and recursive feature removal approaches. Our methods for making

predictions included logistic regression, decision trees, K-nearest neighbour (KNN), support vector machine (SVM), naive bayes (NB) machine learning (ML) approaches, ensemble technique approaches, and artificial neural networks (ANN) with stress on regularization. Compared to the other ways, it was found that using a KNN model gave the most accurate results for the model. A number of factors, such as accuracy, precision, memory, and F1-score, were used to judge the models. The KNN model is the most accurate, at 97.8%.

**Method 5: https://doi.org/10.1080/03772063.2023.2215736**

Hence, a novel method called a travel-hunt-DCNN classifier is proposed in this research. The importance of this research depends on the travel-hunt algorithm, which tunes the hyperparameters in the classifier on the poaching and hunting nature. Additionally, the herding-exploring algorithm enhances the feature selection process, providing better prediction results. The execution is undertaken using the heart disease database from the UCI repository using the performance metrics such as accuracy, sensitivity, specificity and F1 measure. For dataset-3 regarding the TPs, the travel-hunt optimization-DCNN classifier method model achieved an accuracy of 96.665% and the sensitivity and specificity values are 99.220% and 94.639%, respectively.

**Method 6: https://doi.org/10.11591/eei.v13i4.5966**

Change detection (CD) provides information about the changes on earth's surface over a period of time. Many algorithms have been proposed over the years for effective CD of satellite imagery. This paper presents the steps to preprocess the captured satellite images, which can be used to perform predictive analysis of earth's surface by CD techniques. To design a highly effective system for CD, it is recommended that algorithm designers select efficient algorithms from any given application. Thus, this paper presents and investigates the review of most appropriate literature on CD, where CD techniques have been presented into three groups; i) thresholding, ii) clustering, and iii) deep learning. The first two categories mainly rely on the traditional machine learning, whereas the last one exploits the state-of-the-art deep learning models. At the end, the standard methods are summarized based on advantages, limitation, and research gap.

**Method 7: https://doi.org/10.1007/s11042-024-19680-**

While many researchers have focused on predicting heart disease, the performance metric, namely prediction accuracy, remains suboptimal. To solve these issues, in this review work several Deep Learning (DL), Machine Learning (ML) and optimization based HDP techniques are discussed. In recent times, many researchers have been utilizing different DL and ML algorithms to help the professionals and health care industry for the prediction of heart disease. Further, it discussed about various optimization-based algorithms and its performance analysis. Therefore, this review paper suggests that the optimization-based HDP algorithm could assist doctors in predicting the occurrence of heart disease in advance and offering suitable
treatment.

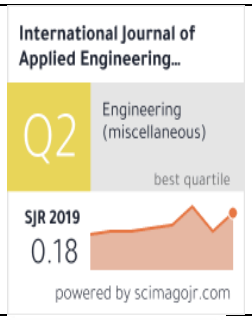
## PhD Guideship/ Supervisor

| Name of Student | Working Area | University | Status |
|---|---|---|---|
| Mrs. Neeta Khobragade | Malware Detection Cyber Security (Forensic Science) | School of Computer Science & Engineering G H Raisoni University Saikheda (MP) | 3 Year (Publication Stage) |

## B.Tech Internship Guided Cyber Security, Data Science, and IOT

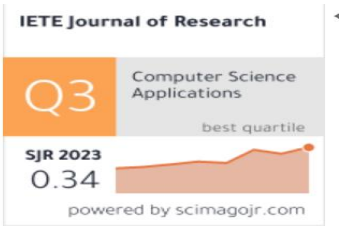
| Name of Student | Branch | Tittle |
|---|---|---|
| Prathamesh Dhake | CSE IOT 2024-2025 | Cloud computing |
| Mayur Madhorao Pardhi | CSE IOT 2024-2025 | Cloud computing |
| Hardik Somkuwar | CSE IOT 2024-2025 | Web Development |
| Nandini Hedaoo | CSE Data Science 2024-2025 | Data Science, Cloud |
| Siddhesh Atkar | CSE Data Science 2024-2025 | Data Science, Network |
| Shreepad Raut | CSE Data Science 2024-2025 | Data Science, AI |
| Sarthak Prakash Yelne | CSE Cyber Security 2024-2025 | Cyber Security |
| Anurag Gajanan Bonde | CSE Cyber Security 2024-2025 | Cyber Security |
| Rahul Manoj Shrivastava | CSE Cyber Security 2024-2025 | Cyber Security |
| Dipanshu Hivraj Borkar | CSE Cyber Security 2024-2025 | Cyber Security |
| Vishal Yelne | CSE Cyber Security 2024-2025 | Cyber Security |
| Tejas Sunil Dhule | CSE Cyber Security 2024-2025 | Cyber Security |

## Scopus Publication: (Unpaid)

| | | |
|---|---|---|
| 1 | Bhavekar GS, Goswami AD. A hybrid model for heart disease prediction using recurrent neural network and long short-term memory. International Journal of Information Technology. 2022 Feb 21:1-9. (Springer Nature Q-2) https://doi.org/10.1007/s41870-022-00896-y : |  |
| 2 | Dr.Agam Das Goswami, Bhavekar G S, Chafle P V , 2021. Electrocardiogram Signal Classification Using VGGNet:A Neural Network Based Classification Model. International Journal of Information Technology.-. (Springer Nature Q-2) https://doi.org/10.1007/s41870-022-01071-z |  |
| 3 | Girish S. Bhavekar, Pradnya Borkar, Sagarkumar Badhiye, and Mukesh Raghuwanshi Et.al "Experimental Analysis of Heart Disease Prediction Using Machine Learning with Emphasis on Hyper Parameter Tuning and Recursive Feature Elimination." International Journal of Intelligent Engineering & Systems 16, no. 6 (2023). IAES Scopus Q3. DOI: 10.22266/ijies2023.1231.08,: |  |
| 4 | Dr.Agam Das Goswami, Bhavekar G S, Chafle P V , 2021. A Review On Effect of Meditation by Analysing Heart Rate Variability Signal Using ECG. International Journal of Applied Engineering Research, 6(2), pp.199-210. **(Scopus)-2020.** |  |
| 5 | Chafle P V, Neha Gupta, Girish Bhavekar + 2, A review on change detection method assessment for land use land cover, The Bulletin of Electrical Engineering and Informatics (BEEI), ISSN: 2089-3191, e-ISSN: 2302-9285,IAES https://doi.org/10.11591/eei.v13i4.5966 |  |
| 6 | Bhavekar GS, Chafle PV, Goswami AD, Marathula GK, Hirve SA, Karpe SR, Magar NS, Farakte AB, Pikle NK, Shinde SB, Gaikwad AK. Hybrid approach to medical decision-making: prediction of heart disease with artificial neural network. Bulletin of Electrical Engineering and Informatics. 2024 Dec 1;13(6):4124-33. DOI: 10.11591/eei.v13i6.5583 |  |



## ESCI/SCI/SCIE Q1-Q2 Publication: (Unpaid)

| | | |
|---|---|---|
| 1 | Bhavekar, Girish S. and Agam Das Goswami. "Herding Exploring Algorithm With Light Gradient Boosting Machine Classifier for Effective Prediction of Heart Diseases." IJSIR vol.13, no.1 2022: pp.1-22: http://doi.org/10.4018/IJSIR.302609. |  |
| 2 | Bhavekar, Girish S., and Agam Das Goswami. "Travel-Hunt-Based Deep CNN Classifier: A Nature-Inspired Optimization Model for Heart Disease Prediction." IETE Journal of Research (2023): 1-15.. https://doi.org/10.1080/03772063.2023.2215736 **IF 2.89** |  |
| 3 | Bhavekar, G.S., Das Goswami, A., Vasantrao, C.P. et al. Heart disease prediction using machine learning, deep Learning and optimization techniques-A semantic review. Multimed Tools Appl (2024). **https://doi.org/10.1007/s11042-024-19680-0 IF 3.98** |  |
| 4 | Heart disease detection with Serpentes Crocodylus Hunt optimization enabled mixed learning-based quantum Convolutional Neural Network | Under Review SCI_Q1 |
| 5 | Optimized Multi-Output Generalized Stacking with Inception Squeeze-And-Excitation Approach with Explainable AI for Enhanced Heart Disease Prediction | Under Review SCI_Q1 |
| 6 | FWDCTM: Fuzzy-weighted distributed attention enabled deep learning framework for malware detection in heterogeneous network | Under Review SCI_Q1 |

## Scopus Conference Publication: (Unpaid)

- Hole, Shreyas Rajendra, Girish S. Bhavekar, Arvind Kumar Prajapati, Vinothkumar Kolluru, Suraj Rajesh Karpe, and Jayavrinda Vrindavanam. "Hybrid PCA-Based Machine Learning Models for Predictive Analytics in Urban Health Monitoring Systems." In *2025 IEEE 1st International Conference on Smart and Sustainable Developments in Electrical Engineering (SSDEE)*, pp. 1-8. IEEE, 2025. 10.1109/SSDEE64538.2025.10967575

- IMPACT OF ARTIFICIAL INTELLIGENCE ON THE DEVELOPMENT OF EMPLOYMENT AND THE LABOR MARKET at IEEE International Conference on Augmented Reality, Intelligent Systems, and industrial Automation (ARIIA-2024) 20-21, December, 2024 Manipal Institute of Technology, Manipal Academy Of Higher Education, Manipal, India – Accept

- TRANSFORMATIVE EFFECTS OF ARTIFICIAL INTELLIGENCE ON WORKFORCE DYNAMICS IN INDUSTRY 4.0 IEEE International Conference on Augmented Reality, Intelligent Systems, and industrial Automation (ARIIA-2024) 20-21, December, 2024 Manipal Institute of Technology. Manipal Academy Of Higher Education, Manipal, India– Accept

## Other Publication:

1. Prof. Sucheta V. Pawar, Prof. G.S. Bhavekar, Prof. Poonam P. Shilwant, Prof. Pratiksha V. Chafle, Prof. Y.S. Bhavekar. "A Novel Approach for Deep-Sea Mining Image Restoration & its Enhancement using Adaptive Wavelet Transform and Histogram Equalization". International Journal for Scientific Research & Development, 4(7), (2016). (UGC approved) https://www.ijsrd.com/articles/IJSRDV4I70118.pdf
2. Miss. Pratiksha V. Chafle, Prof. P. R. Badadapure, Mr. Bhavekar G. S, Mr. Akshay V.Chafle. "An Image Processing Based Technique for De-Noising & Enhancement of Underwater Images Using Adaptive Wavelet Transform and Histogram Equalisation". International Journal for Innovative Research in Multidisciplinary Field, 3(2), (2017). (UGC approved)
3. Rathod Sejal Chandrashekhar1, Chavan Dipali Arjun, Aher Archana Gorakh, Nikam Shivani Ashok, Prof. Pratiksha V Chafle. "A Novel Approach for Implementation Water Quality Parameters Test System Using Embedded On-Chip Design Arduino Tool". International Journal for Scientific Research & Development, 8(4), 2020. (UGC approved) https://www.ijsrd.com/Article.php?manuscript=IJSRDV8I40702
4. Bhavekar Girish Shrikrushnarao and Prof. S. P. Chavate. "Implementation of an Improved Algorithm for Denoising & Enhancement of Underwater Images Using Adaptive Transformation Technique." International Journal for Scientific Research and Development 4.11 (2017): 650-652. https://ijsrd.com/Article.php?manuscript=IJSRDV4I110110
5. Prof. Sucheta V. Pawar, Prof. G.S. Bhavekar, Prof. Poonam P. Shilwant, Prof. Pratiksha V. Chafle, Prof. Y.S. Bhavekar. "A Novel Approach for Deep-Sea Mining Image Restoration & its Enhancement using Adaptive Wavelet Transform and Histogram Equalization". International Journal for Scientific Research & Development, 4(7), (2016). (UGC approved) https://www.ijsrd.com/articles/IJSRDV4I70118.pdf

## **Patent Publication:**

1) Indian Government Innovation patent Girish S Bhavekar,Dr. Agam Das Goswami on Heart Disease Prediction Model Based On Herding –Exploring Optimization Algorithm and Deep Learning Technique Published 04/2022 Dated 28/01/2022 Application No.202241001418.

| | |
|---|---|
| REQUEST FOR EXAMINATION DATE | 11/01/2022 |
| PUBLICATION DATE (U/S 11A) | 28/01/2022 |

**(https://search.ipindia.gov.in/IPOJournal/Journal/Patent)**

2) Indian Government Innovation patent Girish S Bhavekar,Dr. Agam Das Goswami on SYSTEM AND METHOD FOR EARLY DETECTION OF CARDIOVASCULAR DISEASES Application No. 202241076849 A Journal Number:01/2023 Publication Date: 06/01/2023.

| | |
|---|---|
| REQUEST FOR EXAMINATION DATE | 11/02/2023 |
| PUBLICATION DATE (U/S 11A) | 06/01/2023 |

**(https://search.ipindia.gov.in/IPOJournal/Journal/Patent)**

3) Indian Government Innovation patent Girish S Bhavekar,Dr. Agam Das Goswami on EARLY PREDICTION OF HEART DISEASES USING HYBRID MACHINE LEARNING APPROACH" having Application No. 202341006586 Journal Number: 06/2023 Publication Date: 10/02/2023.

| | |
|---|---|
| REQUEST FOR EXAMINATION DATE | 02/02/2023 |
| PUBLICATION DATE (U/S 11A) | 10/02/2023 |
| REPLY TO FER DATE | 25/11/2023 |

**(https://search.ipindia.gov.in/IPOJournal/Journal/Patent)**

4) Indian Government Innovation patent Girish S Bhavekar,Dr. Agam Das Goswami on SYSTEM AND METHOD FOR EARLY PREDICTION OF CARDIOVASCULAR DISEASES. Application Number 202341007073 Journal Number: 08/2023 Publication Date: 24/02/2023.

| | |
|---|---|
| REQUEST FOR EXAMINATION DATE | 06/02/2023 |
| PUBLICATION DATE (U/S 11A) | 24/02/2023 |

**(https://search.ipindia.gov.in/IPOJournal/Journal/Patent)**

5) Indian Government Innovation patent Girish S Bhavekar,Dr. Agam Das Goswami on SYSTEM AND METHOD FOR PREDICTION OF CARDIOVASCULAR DISEASES USING ARTIFICIAL NEURAL NETWORK AND CHI-SQUARE TECHNIQUE. Application Number: 202341007074 Journal Number: 08/2023 Publication Date: 24/02/2023.

**(https://search.ipindia.gov.in/IPOJournal/Journal/Patent)**

| | |
|---|---|
| REQUEST FOR EXAMINATION DATE | 06/02/2023 |
| PUBLICATION DATE (U/S 11A) | 24/02/2023 |

6) Indian Government Innovation patent Girish S Bhavekar,Dr. Agam Das Goswami on Design & Development of ECG Classification Using Ensemble CNN and Bio-Inspired Computational Models Application Number: 202341039073.

**(https://search.ipindia.gov.in/IPOJournal/Journal/Patent)**

| | |
|---|---|
| REQUEST FOR EXAMINATION DATE | 07/06/2023 |
| PUBLICATION DATE (U/S 11A) | 30/06/2023 |

7) Indian Government Innovation patent System and Method for providing ECG classification based on Deep learning neural network : Goswami Agam Das, Girish Bhavekar, Pratikshaa Chafale, Shinde Snehal B and Nileshchandra Pikle

Patent No.: 202341039073 A Date of Publication: 30 June 2023.
(https://search.ipindia.gov.in/IPOJournal/Journal/Patent)

8) Indian Government Innovation patent Snehal B. Shinde, Nileshchandra Kalabarao Pikle, Agam Das Goswam, Girish S. Bhavekar, Krishna Siva Prasad, Nitesh Asaramji Funde, Pratiksha Vasantrao Chafle, Device For Ensuring Child Safety, And Method Thereof,
Filling Date: 03/08/2023
Publication Date: 01/09/2023
Application Number: 202341052280
(https://search.ipindia.gov.in/IPOJournal/Journal/Patent)

9. Indian Government Innovation patent Girish S Bhavekar,Dr. Agam Das Goswami on HEALTH MONITORING SYSTEM AND METHOD THEREOF Application Number: 202341063500 A 06-10-2023, A 06-10-2023,
(https://search.ipindia.gov.in/IPOJournal/Journal/Patent)

| | |
|---|---|
| REQUEST FOR EXAMINATION DATE | 21/09/2023 |
| PUBLICATION DATE (U/S 11A) | 06/10/2023 |

**Reviewer Scopus/Web of Science-ESCI, SCI, SCI-E:**

1. Reviewer for the journal :Advances in Technology Innovation (AITI),
2. Reviewer for the journal: Springer-International Journal of Information Technology
3. Reviewer for the journal: IGI-Global International Journal of Swarm intelligence research
4. Reviewer for the journal Cluster Computing: Springer
5. Reviewer for the journal Cluster Computing: Artificial Intelligence

**Reviewer IEEE Conference:**

a. Reviewer: Electric Power and Renewable Energy Conference (EPREC-2020 – NIT Jamshedpur.
b. Reviewer: 2nd IEEE International Conference on Electrical Power and Energy Systems (ICEPES-2021)- SLIET Central Institute CFTI.
c. Reviewer: 2nd IEEE INTERNATIONAL CONFERENCE ON ELECTRICAL POWER AND ENERGY SYSTEMS (ICEPES-2021)- SLIET Central Institute CFTI.
d. Reviewer: 3rd International Conference on Computational Electronics for Wireless Communications (ICCWC-2023) 22nd-23rd December, 2023 Organized by ECE department National Institute of Technology Jalandhar, Punjab Conference will be held in Hybrid Mode. https://www.iccwc-2023.com/: NIT Jalandhar
e. Reviewer: 5th Electric Power and Renewable Energy Conference: (EPREC- 2024 – NIT Jamshedpur).

## Experience:

| Sr.No | Organization/ University | Designation | Period | |
|---|---|---|---|---|
| | | | From | To |
| 1 | G H Raisoni University Amravati, MH | *Associate Professor* **(Artificial Intelligence)** ***Data Science, Cyber Security & IOT*** | 18/06/2024 | Till Date |
| 2 | CSMSS Chh. Shahu College of Engineering, Chh. SambhajiNagar, MH | *Associate Professor* **(Artificial Intelligence & Data Science)** | 01/07/2023 | 15/06/2024 |
| 3 | Vellore Institute of Technology (VIT Vellore APC) | Assistant Professor Jr **(Computer Science & Engineering)** | 01/01/2021 | 07/06/2023 |
| 4 | Vellore Institute of Technology (VIT Vellore APC) | Research Scholar FullTime **Specialization: Engineering- Artificial Intelligence** | 01/08/2020 | 07/06/2023 |
| 5 | Institute of Engineering & Technology, Kannad | Assistant Professor & TPO Officer- **E&TC** | 01/01/2018 | 31/07/2020 |
| 6 | Adsul Technical Campus, Ahmednagar | Assistant Professor- **E&TC** | Sep-2017 | Dec-2017 |
| 7 | Dr. D Y Patil ACS College, Akurdi Pune | Lecturer- **Info. Technology** | July-16 | April-17 |
| 8 | Sant Gadge Baba Amravati University | Lecturer- P.G Department Applied Electronics-***CHB*** | Aug-15 | April-16 |

## Software/Hardware Tools:


BLOCKCHAIN
aws
python
MATLAB
The LaTeX Project
EDA
playground
ARDUINO
Accelerated with
NVIDIA
NVIDIA
Multisim
Deep Learning
MACHINE
LEARNING
AI
shutterstock.com - 2316452929
NEURAL NETWOR
DATA STRUCTURES
Responsible
AI

## Academic references:

| | |
|---|---|
| 1 | Dr. Agam Das Goswami<br>Assistant Professor Sr<br>School of Electronics & Communication Engineering.<br>VIT, Vellore (Andhra Campus)<br>Phone:7660800351<br>Email: mailmeagam@rediffmail.com |
| 2 | Dr. Nileshchandra Kalbarao Pikle<br>Assistant Professor<br>Computer Science & Engineering<br>Indian Institute of Information Technology, Nagpur (IIIT Nagpur)<br>Phone:7276834418<br>Email:nilesh.pikle@gmail.com, npikle@iiitn.ac.in |
| 3 | Dr. Pratiksh V Chafle<br>Department of AI&DS<br>CSMSS Chh. Shahu College of Engineering, Chh. SambhajiNagar, Maharashtra<br>Phone: 8411998154<br>Email: pratuschafle1@gmail.com |
| 4 | Dr. Amit Gaikwad<br>Associate Professor<br>Computer Science & Engineering<br>G H Raisoni University, Amravati<br>Email: amitgaikwad1730@gmail.com<br>Phone:9766330332 |
| 5 | Dr. Snehal Shinde<br>Assistant Professor<br>Computer Science & Engineering<br>Indian Institute of Information Technology, Nagpur (IIIT Nagpur)<br>Phone:7387127480 sshinde@iiitn.ac.in |

## Awards:

1. **Received a "Bhau Anant Limaye Award for Excellence academic record** at Sipna college of Engineering, Amravati, on feb.2014 by the hand of Dr. Siddarth A. Ladhake Principal Sipna college Of E & T Amravati.
2. **Received 2 Position** in National Level Event arranged at Prof. Ram Meghe institute of tech & Research. Badnera Amravati in Contraption Event on hands Of Dr. V.T.Ingole Principal Ram Meghe institute of tech. Badnera Amravati.

3. **Received Raman Research Award** from VIT University regarding Scopus-1 Paper Publication 2022.
4. **Received Raman Research Award** from VIT University regarding Scopus-2 Paper Publication 2022.
5. **Received Raman Research Award** from VIT University regarding SCI Paper Publication 2023 in the hands of Hon. G Vishwanathan Sir (Chancellors VIT).
6. **Received Research Award** from VIT University regarding Patent Paper Publication 2023 in the hands of Hon. G Vishwanathan Sir (Chancellors VIT).
7. **Received Research Award / Appreciation** Award from CSMSS regarding Patent/ SCI Paper Publication during Gathering 2024.

## Research Activity:

1. Developed Research Project Low Cost Three Phase Water Level Controller with Group of Two People Under the Guidance of Dr. Ajay P. Thakare (HOD Sipna COET) and currently this project work in SIPNA GIRLS HOSTEL Amravati.
2.

## B.E Dissertation Supervised:

- **Project Guide:**
  - Polytechnic Level 30 student.
  - BE level 04 Student in 2015-2016.
  - BE level 4 Student in 2022-2023.
  - B.Tech 04 under guidance of PhD supervisor.
  - B.Tech 04 (AI&DS 2023-24)

## Expert Lecture at other institute & Work involved at University Level:

1. Work as an approval Subject expert for S.G.B Amravati University under Applied Electronics department of Amravati University, winter 2015 university exam, for subject C++MSc First Year.
2. Work as an approval Subject expert for S.G.B Amravati University under Applied Electronics Department for Summer 2016 university exam, for subject Microwave Engineering MSc Final Year.
3. M.Tech: Paper Setter (DBATU University, Loner): Jan 2024
4. B.Tech: Paper Setter (DBATU University, Loner):May 2024
5. B.Tech: Project Examiner-Phase I,II (Kolhapur University, Kolhapur): May 2023
6. B.Tech: Project Examiner-Phase I,II (Kolhapur University, Kolhapur): Oct 2023
7. B.Tech: Practical Examiner-NLP (DBATU University, Loner): Oct 2023

8. B.Tech: Practical Examiner-DSP (DBATU University, Loner): Oct 2023
9. B.Tech: Practical Examiner- Project Oral Final Year (BAMU Aurangabad): May 2024
10. B.Tech: Practical Examiner- Data Base Management (BAMU Aurangabad): May 2024

## Workshop / Faculty Development/STTP

| Sr. No | FDP | Mode |
|---|---|---|
| 1 | Successfully participated in the "2nd One-Week Workshop on Technical Writing using LaTeX (Online)". The Workshop is organized by the School of Electronics Engineering at VIT-AP University, Amaravati from April 7-13, 2022. | Latex (online) |
| 2 | STTP ON 3D DATA PROCESSING- AT KLU VIJAYWADA | Online |
| 3 | FDP on Biosignal, Communication and application NIT Jalandhar Punjab (12-16 June 2023) | Online |
| 4 | FDP on AWS at MGM University | Offline |
| 5 | Five Days , Designing embedded AI system using ST microelectronics AI ecosystem by digitod technologies Bengluru 14/02/2023 to 18/02/2023 | Offline |
| 6 | Five Days Short Term Course on Biosignals, Communication and Applications Dr. B R Ambedkar National Institute of Technology, Jalandhar June 12-16, 2023. | Online |
| 7 | ISTE approved one week faculty development program on "Generative AI:Concern and Solution" from 18 th to 22 nd December 2023 | Online |
| 8 | One Week Online Faculty Development Program on "Artificial Intelligence and Generative Models" Organized by Department of Information Technology, Vishwakarma Institute of Technology, Pune from 15th Jan 2024 to 19th Jan 2024 | Online |
| 9 | Five Days Faculty Development Program on "Modeling and Simulation of Electric Vehicles" conducted during 26/02/2024 to 01/03/2024. Organized by Automobile, Mechanical and Civil Engineering Department in association with SPPU, Pune & CADD Center Pune. | Offline |
| 10 | Short Term Course on 5G and beyond Concepts and Modelling: Theory, Applications and Simulations held at NIT Jalandhar, Punjab 29-04- 2024 to 03-05-2024. | Online |
| 11 | FDP ON Modeling and simulation of Electric Vehicles at Dhole Patil COE Pune 26-02-2024 to 01/03/2024 | Online |
| 12 | FDP ON Artificial Intelligence and Generative Models Organized by Department | Online |

| | | |
|---|---|---|
| | of Information Technology, Vishwakarma Institute of Technology, Pune 15-01-2024 to 19-01-2024. | |
| 13 | Workshop on NEP 2020 Orientation & Sensitization Programme Organised at UGC malviya Mission Training Center, RTM University Nagpur during 16-01-2024 to 30-01-20244 | Online |

## College level Activity:

1 As a participant of college gathering & other event organized by college and department.

2 As a participant of NBA activity at SGB Amravati University.

3 Teacher Guardian scheme.

4 As a member of T&P Department.

5 Monitoring Committee Work.

6 Officer in Charge.

7 Sealing Supervisor.

8 ICIU Work.

9 Maha-DBT Scholarship /Panjabrao Deshmukh Scheme/Minority Scheme College in Charge.

10 Class Teacher

11 NAAC Criteria 6 Member

## Hobbies and Interest:

Cooking**, Driving**

## Contact Details:

Permanent Address:/o AlkaBhavekar,Adarsh Nagar near Gopal Nagar, Amravati-444607 (MH)

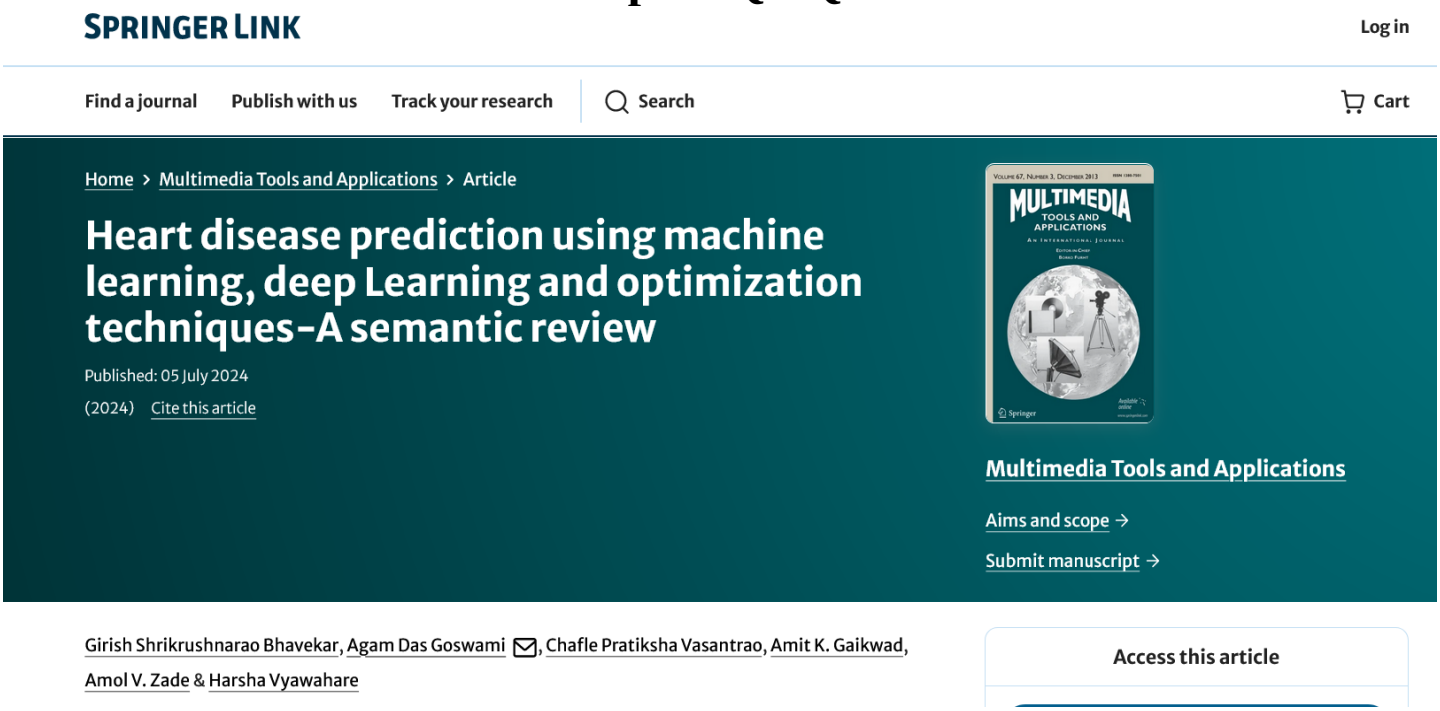
## Declaration

I confirm that the information provided by me is true to best of my knowledge & belief

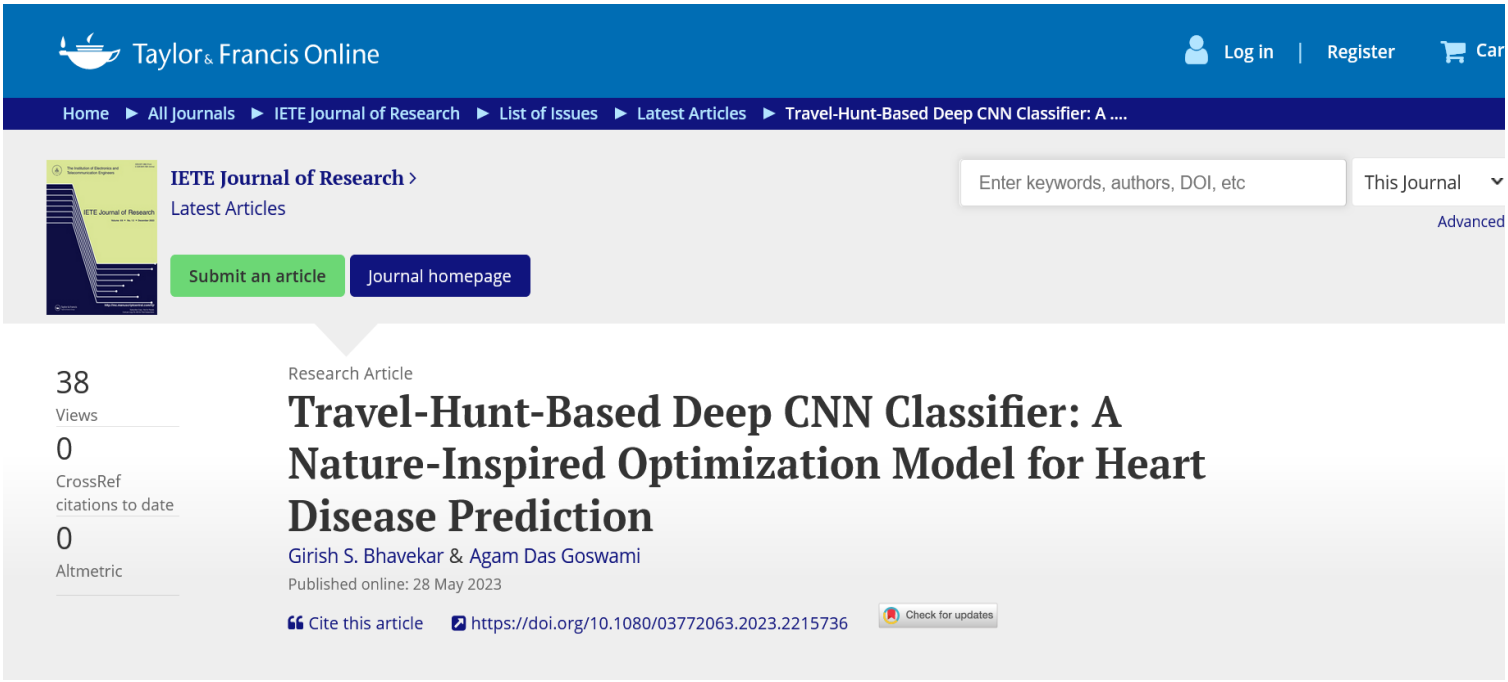
**Place: Chh. Sambhajinagar** **Your Faithfully**

**Dr. Girish S Bhavekar**

# Papers Q1-Q2

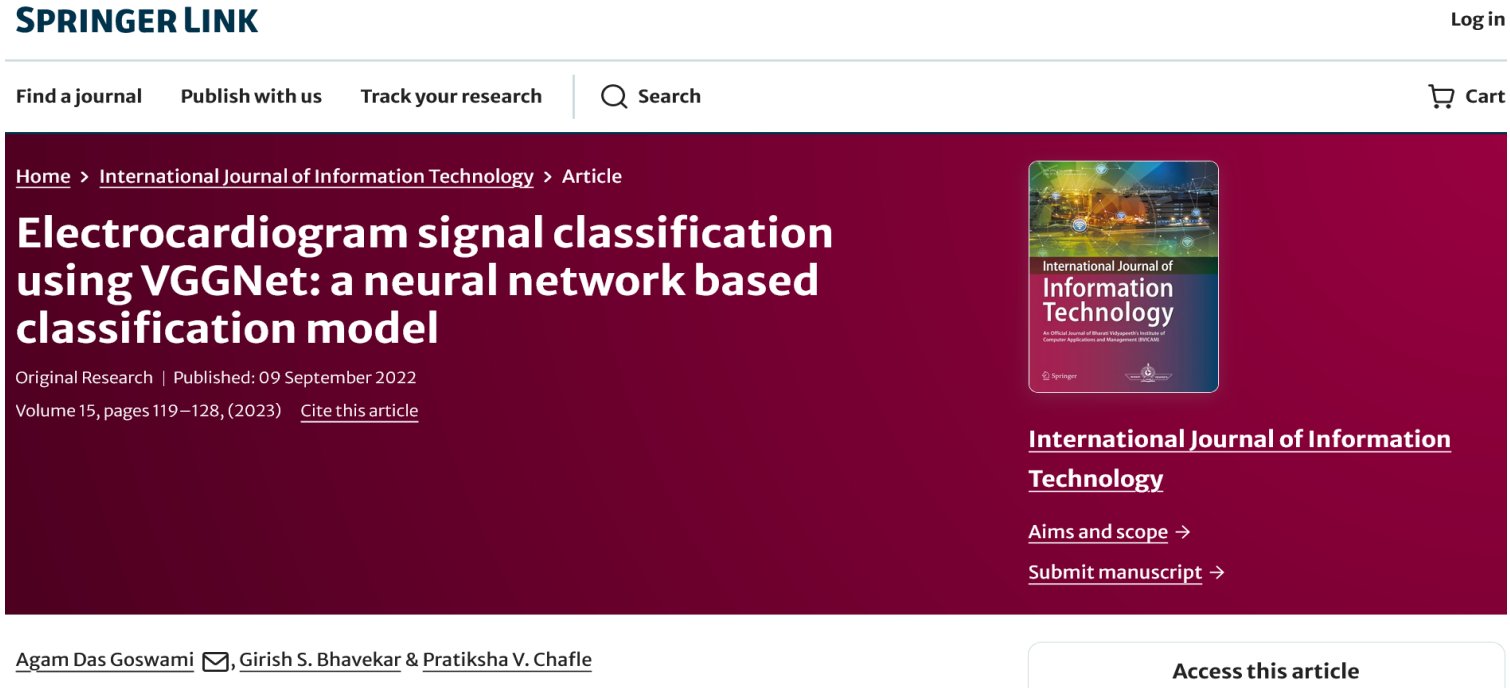



Bhavekar, G.S., Das Goswami, A., Vasantrao, C.P. *et al.* Heart disease prediction using machine learning, deep Learning and optimization techniques-A semantic review. *Multimed Tools Appl* (2024). **https://doi.org/10.1007/s11042-024-19680-0**

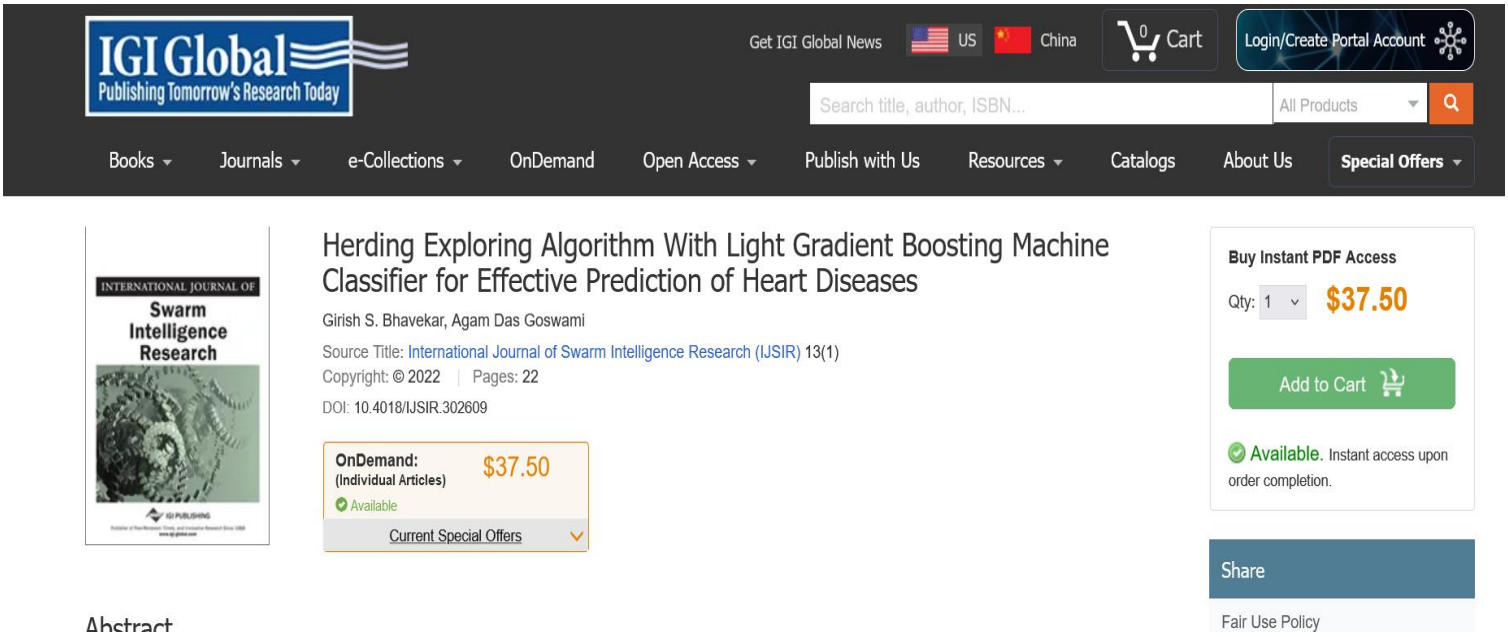



Bhavekar, G. S., & Goswami, A. D. (2023). Travel-Hunt-Based Deep CNN Classifier: A Nature-Inspired Optimization Model for Heart Disease Prediction. *IETE Journal of Research*, 1–15. **https://doi.org/10.1080/03772063.2023.2215736**


Girish S Bhavekar, Agam Das Goswami., 2022. A hybrid model for heart disease prediction using recurrent neural network and long short term memory. *International Journal of Information Technology*, pp.1-9. **https://doi.org/10.1007/s41870-022-00896-y.**




Goswami, Agam Das, Girish S. Bhavekar, and Pratiksha V. Chafle. "Electrocardiogram signal classification using VGGNet: a neural network based classification model." *International Journal of Information Technology* 15, no. 1 (2023): 119-128. https://doi.org/10.1007/s41870-022-01071-z




Girish S Bhavekar, Agam Das Goswami, 2022. Herding Exploring Algorithm With Light Gradient Boosting Machine Classifier for Effective Prediction of Heart Diseases. *International Journal of Swarm Intelligence Research* (IJSIR), 13(1), pp.1-22. **10.4018/IJSIR.302609.**

Identify Proof: