

CURRICULUM VITAE

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[YouTube](#) | [Google Scholar](#) | [ORCID](#) | [Web of Science](#) | [Scopus](#) | [ACM DL](#) | [Semantic Scholar](#)

ACADEMIA QUALIFICATION

● Ph.D (CS&E)	Birla Institute of Technology	Defended	2024
● Diploma RPA	UiPath	Completed	2019
● M.B.A.(HRM)	Dr. BAM University	66.50%	2018
● M.Tech.(CS & Engg)	JNT University	75.50%	2014
● B.E.(CS & Engg)	VT University	63.97%	2010
● G.P.	DG Shipping	A-grade	2006
● H.S.C	Maharashtra State Board	52.22%	2005
● S.S.C.	Maharashtra State Board	73.33%	2003

SYNOPSIS

- Working as Director - Research & Development and Professor at Dept. of CSE, CSMSS, Chh. Shahu College of Engineering, Chhatrapati Sambhajinagar, from June 2024 to present.
- Worked as a Head of Dept. of CSE and Professor, CSMSS, Chh. Shahu College of Engineering, Sambhajinagar, from July 2023 to June 2024.
- Worked as Doctoral Research Scholar (Ph.D.) and Teaching Assistant at the Birla Institute of Technology, Ranchi since 2021 to April 2023.
- Worked as Asst. Prof in CSMSS CSCOE, Chhatrapati Sambhajinagar from July 2015 to Feb 2021 and April 2023 to June 2023.
- Worked as Asst. Prof. in ICEEM, Chhatrapati Sambhajinagar from Jan 2015 to July 2015.
- Worked as an Android, Java Developer in Leadwinner Soln, Hyderabad from May 2014 to Jan 2015.
- Since Nov 2012 to May 2014, have extensive hands-on experience in software development at Ventech Ind Pvt. Hyderabad on various Java technologies and frameworks.
- Worked as a Jr. Java Developer in Cz, Pune from July 2010 to Aug 2012.
- M.B.A. (H R & M) master's degree in business management.
- M.Tech (CS & Engineering) master's degree with strong problem-solving skills & programming knowledge.
- A B.E. (CS & Engineering) graduate degree with strong analytical skills & profound knowledge of software development.
- Possessing valuable insights to implement best practices to achieve Business excellence.
- Skilled in both software development and testing.
- Committed to achieving the timely completion of assigned targets.
- Adroit in learning new technologies; Ability to work both in independent and collaborative milieu.
- Excellent decision-making skills with a positive approach.
- Good teamwork spirit and multitasking ability.
- An out-of-the-box thinker with a flair for contributing towards enhancing productivity & quality.
- Quickly adaptable to the changing technical and non-technical environments.

AREAS OF EXPERTISE

- JAVA
- ORACLE
- JDBC
- Designing (HTML, CSS, JavaScript)

- Python
- C
- SERVLETS
- JSP
- C++
- C#
- Deep Neural Network

FRAMEWORKS & TOOLS

- HIBERNATE
- SPRING
- Web Services
- STRUTS
- RPA
- NumPy, Pandas, Keras, TF

MOBILE APPLICATION DEVELOPMENT

- Android
- iOS

PROJECTS EXECUTED

Ph.D. Project: An Automated Lung Workflow for diagnostic assistance in COVID-19

Language used:	Python
Techniques:	Deep Neural Network
Framework used:	Anaconda, Django, Web Services, Android Studio,
UI:	HTML, CSS, Bootstrap, JavaScript, jQuery
Database:	Imaging repository
Server:	Django
IDE:	Jupyter Notebook
Tools:	NumPy, Pandas, matplotlib, keras.
Graph-Based Reporting:	matplotlib

Objective:

This research aims to determine the disease labels from multimodal (X-ray, CT, Lung Ultrasound, and paper-based ECG-trace imaging) radiography imaging and use these machine-generated decisions to assist radiologists and physicians. Previous research has shown that medical imaging contains informative clues about the diseased person that reflect signs and can be effectively implemented in diverse biomedical applications. The major aim is to retrieve the best-generated features from multimodal radiography imaging and use them to spot the different diseases in recorded X-ray, CT, lung ultrasound, or ECG imaging, which further assist in decision-making capabilities in the healthcare domain. More specifically, an attempt has been taken to visualize the diseased portion by creating a multi-dimensional network with a radiograph image as an object that a patient is suffering from. While medical imaging studies have attempted (with uncertain results and limited success) to determine and describe which parts of the patient's lung (posterior and anterior, and vice versa) are containing diseased portions. It has long been considered that lung activity using radiograph imaging consists of detailed information about the operational and diseased part. This prompts the concern about whether the image feature pattern of such lung activity can be defined to the relevant content of an observed chest portion. This type of radiograph image data can be used to detect and classify insightful and realistic lung-affected diseased images from the decoded relevant data from medical imaging. The proposed methodology involves multimodal radiography in and out design and processing constructive pipelines, in which radiological images are captured while diagnosing the patients and output results are generated that learn the corresponding and correlated preprocessed radiography images with the disease class observed at the test phase. This method's viability is predicated on a few suppositions. The following objectives are applicable and set to multimodal radiographs for the proposed methodology:

1. **Develop and validate learning models** with accurate and highly sensitive using DL-based advanced and custom CNN for the detection of COVID-19.

2. **Precisely detection of COVID-19 along with other lung diseases** from multimodal radiography (like X-ray, CT, Ultrasound, ECG). With the help of a single imaging/modality scan, the developed model can detect and classify other diseases with COVID-19.

3. **To develop an efficient, lightweight, and simple DL-based CNN**, along with/without transfer learning DL models, development and validation of custom DCNN models for detection & classification of lung diseases & Covid-19 with less computational time, for possible deployment on a resource(low) constraint platforms (Ex. IoT/smartphone devices).

4. **Performance comparison** of the results obtained by the proposed method over the existing methods concerning all types of multimodal images. ***Development of GUI for standalone, Web, and Smartphone(Online and Offline) applications.*** Where clinicians/radiologists can select the individual lung image from the scan machine database, hospital patient X-ray record database, or patient personal

LeadWinner Soln.: Rite Now Infra.

Client Name: GVR Infra Chennai.
Language used: JAVA, SQL
Framework used: Spring 3, Hibernate 4, Json, Web Services, Android
UI: HTML, CSS, Bootstrap, JavaScript, JQuery
Database: MySql
Server: Apache Tomcat
IDE: Spring Tool Suite
Tools: CVS, Maven, Antlr, JUnit, SqlYog, FileZilla
Graph-Based Reporting: Jasper Report, Google Graph

Description: Infrastructure developers face many troubles and challenges such as poor use of plant & machinery, poor financial management, delay in project completion, etc. in meeting their requirements for project completion, especially when developers operate big projects. Rite Now Infra has launched a powerful ERP software for Infrastructure i.e. Infrastructure ERP Large. Infrastructure ERP Large is the cloud-based and web-based ERP software that works user-friendly across all departments and streamlines the functioning of complex business processes. Infrastructure ERP Large is the start-to-end ERP solution for developers to increase the productivity and profitability of the large-scale infrastructure project.

Responsibility: 1) Generating Reports using JasperReport, Google Graph
2) Employee profile
3) Assets Management, Statistics
4) Work done, Work plan
5) On-Site management
6) Providing appropriate web services to the android development team
Reference: <https://play.google.com/store/apps/details?id=com.leadwinner.gvr>

Ventech Ind. Pvt. & Creazione Software :

Language used: JAVA, SQL, C#
Framework used: Struts 1
UI: HTML, CSS, JavaScript
Database: MySql, Oracle, Sql Server.
Server: Apache Tomcat, Glassfish
IDE: Netbeans, Eclipse, Visual Studio
Editor: Edit Plus, Notepad++
Tools: SqlYog, JapserReport
Description: Developed various academic projects like desktop, web, and research-based applications based on clients' academic requirements.

M.Tech. : Intelligent & Easy Web Search System.

Technologies used: JAVA, JavaScript, CSS, HTML
 Database: XML
 Server: GlassFish
 Description: Software that facilitates an online search system.

B.E.: Banking Transaction System

Technologies used: JAVA, JavaScript, CSS, HTML
 Database: Oracle
 Server: Tomcat
 Description: A mini-banking system that can handle multiple accounts with the single sign on.

TECHNICAL SKILLS

- Languages: JAVA, C,C++,Python, SQL, C#
- Operating Systems: Windows 98/2000/XP/Win 07/10.
- Databases: Oracle, MySql, MariaDB, Sql Server.
- Web Designing: JAVA Script, JQuery, HTML, CSS.
- Servers: WebLogic, GlassFish, Tomcat.
- IDE's: NetBeans, MyEclipse, Android Studio, PyCharm, Visual Studio, Spring Studio, Jupyter Notebook, PyCharm.
- Tools: Pandas, Numpy, Keras, TF
- Research Interest: Machine Learning, Deep Learning(CNN), Biomedical image classification.

PROJECTS AT ACADEMIA (COMPLETED/IN PROGRESS)

Sr. No.	Title of Project	Amount Granted	Granting Agency	Period
1	Customized ERP for MGPL, Chikalthana	30000/- (1st Prize)	GIZ-MASSIA (2017-18)	6 Months
2	Customized ERP for Manisha Industries Waluj, Aurangabad	20000/- (1st prize)	GIZ-MASSIA (2018-19)	8 Months
3	ERP for Manisha Industries Waluj, Aurangabad	Successfully Completed	GIZ-MASSIA (2018-19)	8 Months
4	ERP System for Om Sai Industries. Waluj, Aurangabad.	Successfully Completed	GIZ-MASSIA (2019-20)	11 Months

EXPERIENCE IN ORGANIZING SUCH AS WORKSHOPS, SEMINARS AND CONFERENCES

Sr. No.	Name of workshop/ seminars / conference	Details
1.	Delivered 10 Days Training on Python Programing for CSE Students.	Role : Trainer Place: A. G. Patil Institute of Technology, Solapur. Date: 23 rd Dec. 2019 to 2 nd Jan. 2020.
2.	Delivered 10 Days Training on Python Programing for CSE Students.	Role : Trainer Place: JPSM, Pune. Date: 17 th June 2019 to 22 June 2019.
3.	Delivered 10 Days Training on C, C++ for T & P activities of Mechanical Engineering Students.	Role : Trainer Place: NK Orchid College of Engineering Solapur. Date: 27 th May 2019 to 9th June 2019.
4.	Delivered One week Faculty Development Workshop on "Android Application Development under ISTE"	Role : Trainer Place: MGM, Polytechnic, Aurangabad. Date: 19 th to 23 rd March 2018.

		Sponsored By: ISTE.
5	Delivered Workshop on “Android Application Development”	Role : Trainer Place: MSS COE, Jalna. Date: 25 th to 27 th September 2017
6	Delivered Workshop on “Mobile Apps Development through Android”	Role : Trainer Place: T. B. Girwarlkar Polytechnic, Ambejogai. Date: 21 st to 22 nd February 2016, 27 to 28 February 2016.
7.	Speaker of Android Session at MCA Department. Event: EUPHORIA 2k18.	Role : Speaker Place: MGM, JNEC, Aurangabad. Date: 10 th February 2018
8	Invited Guest Speaker on Intellectual Property Rights.	Role: Guest Speaker Place: CSMSS Ayurved Mahavidyalaya, Chhatrapati Sambhajanagar. Date: 27 th Jan. 2025
9	Topic: AI for Achieving Manufacturing Excellence: Present & Future	Role: Resource person Place: NRB Industrial Bearings Pvt. Ltd, Shendra MIDC, Chhatrapati Sambhajanagar. Date: 5 Sept. 2024
10	Invited Guest Speaker at PG Orientation Program on Computer Skills and E-management.	Role: Resource person Place: CSMSS A CSMSS Ayurved Mahavidyalaya, Chhatrapati Sambhajanagar Date: 29th Nov. 2025

IPR

Sr. No	Details	Status
1	Title: ARTIFICIAL INTELLIGENCE BASED CERVICAL CANCER DETECTION DEVICE Application No.: 427263-001 (Design Registration) Date of Application / Filing: 16/08/2024	Granted
2	Title: DEVICE TO HARVEST ENERGY FROM PLANT ROOTS Application No.: 427355-001 (Design Registration) Date of Application / Filing: 18/08/2024	Granted
3	Title: Machine Learning and IOT-Based device to measure sugar levels in diabetes through saliva (Design Registration) Application No.: 427596-001 Date of Application / Filing: 20/8/2024	Granted
4	Title: AI-based Plant Extract Analyzing Device to Identify Disease Patent Application No.: 427354-001 (Design Registration) Date of Application / Filing: 18/8/2024	Published and Under Examination
5	Title: Artificial Intelligence Based Brain Monitoring Headset Patent, Application No: 427598001 (Design Registration) Date of application/Filing: 29/06/2024	Granted
6	Title: Rotary Evaporator for Herbal Drug Extraction, Patent Application No.: 427356-001 (Design Registration), Date of application/Filing: 18-08-2024	Granted
7	Title: AI BASED ROBOTIC SYSTEM FOR ASSISTANCE IN TUMOR REMOVAL AND METHOD THEREOF. Application No.202521061906 A. Date of filing of Application :28/06/2025 (43) Publication Date: 18/07/2025 (Utility/Process Patent)	Published and Under Examination
8	Title: A SYSTEM AND A METHOD TO FACILITATE QUANTUM-RESILIENT CRYPTOGRAPHIC COMMUNICATION AND SECURE DATA EXCHANGE USING AI-ORCHESTRATED HYBRID ENTROPY AND BLOCKCHAIN AUDITABILITY. Application No.202521091449 A. Date of filing of Application: 24/09/2025. Publication Date: 10/10/2025. (Utility/Process Patent)	Published and Under Examination

A) Contribution to ICT-based Teaching / Academic Environment / Institutional / Department Corporate Life:

1) Classroom lectures have been recorded and shared via YouTube, enabling students to revisit complex topics, recover missed sessions, and support continuous learning.

(Channel: <https://www.youtube.com/@techfort> , 900+ videos, 1,728,689 views):

- **Servlet Tutorial** Playlist contains 230+ tutorial (<https://www.youtube.com/watch?v=yxBpZms1D9g&list=PLWCgPRTQ8gYSeFwkQP1SdL2QWnMsOszKE>)
- **Android Tutorial** Playlist contains 85+ tutorial (<https://www.youtube.com/watch?v=qXW7mGaPhzU&list=PLWCgPRTQ8gYRlf8Tcctdl3c30g2XCbJRO>)
- **JDBC Tutorial** Playlist contains 80+ tutorial (<https://www.youtube.com/watch?v=JwQeFn3Ci6w&list=PLWCgPRTQ8gYTrGi52oc9xZNJlrC6GxggK>)
- **JSP Tutorial** Playlist contains 88 tutorial (<https://www.youtube.com/watch?v=H0JTK-KZlbo&list=PLWCgPRTQ8gYRZnUGFS2gVdClpG951M-C7>)
- **Python Tutorial** contains 220+ tutorial (https://www.youtube.com/watch?v=leLCe6UzncY&list=PLWCgPRTQ8gYRpu9n8tAL-nvQg_Knu7kbQ)
- **C Tutorial** Playlist contains 30 Tutorial (<https://www.youtube.com/watch?v=BaZNanhXvFI&list=PLWCgPRTQ8gYQgSPOpcg2zMTyBycWcoxTB>)
- **C++ Tutorial** playlist contains 50+ tutorial (<https://www.youtube.com/watch?v=GKHJpMRZn2k&list=PLWCgPRTQ8gYQhptB-8ATT6kFUXJQBxHYR>)
- **SQL Tutorial** (<https://www.youtube.com/watch?v=9G-dEL9EZSM&list=PLWCgPRTQ8gYTxxKdcLLYjIFc9l7deBX9b>)
- **C# with sql Tutorial** Scored 2,10,000 + Views. (<https://www.youtube.com/watch?v=vaXGlzwpwmg>)
- **Java with MySql Tutorial** Scored 3,10,000 + Views. (<https://www.youtube.com/watch?v=RLvt5ePvEco>)
- **Hibernate Tutorial for Beginner to advanced with Example :** <https://www.youtube.com/playlist?list=PLWCgPRTQ8gYQNiMH3TvU2dpeJWaMRjUaN>

2) Academic Key Responsibilities at CSMSS CSCOE .

2.1. Teaching and Instruction:

- Develop and deliver lectures, seminars, and tutorials in their area of expertise.
- Prepare course materials (syllabi, assignments, exams) and manage grading.
- Mentor and guide undergraduate and graduate students, providing academic advice and support.
- Incorporate current research and real-world applications into the curriculum.
- Use a variety of teaching methods, including lectures, discussions, group work, and online learning platforms.
- Service and Administrative Duties:
- Participate in departmental, faculty, and institutional committees, contributing to academic governance.

- Assist with departmental administration, such as curriculum development, accreditation processes, and assessment of student performance.
- Serve as an advisor for student organizations or academic programs.
- Contribute to the university's mission and strategic goals through service on committees or in special projects.

3) Non academic Key Responsibilities at CSMSS CSCOE:

- Engage in ongoing professional development, including attending / delivering the workshops, and training.
- Stay current with developments in their field and incorporate new knowledge into teaching and research.
- Pursue opportunities for interdisciplinary collaboration and expand expertise in related fields.
- Admission Committee : Fecilation Center Coordinator at CSMSS CSCOE.
- Class Teacher at CSMSS CSCOE.
- Lab Coordinator at CSMSS CSCOE.
- Dr. BAMU Exam Invigilator at CSMSS CSCOE.
- Dept. Library Coordinator at CSMSS CSCOE.
- Annual Social Gathering at CSMSS CSCOE.
- FDP on Product Design Engg Workshop Coordinator at CSMSS CSCOE.
- Industry Acadmia Engagement Summit Coordinator at CSMSS CSCOE.
- Participation, Mentor in Smart India Hackathon 2017, 2018, 2020, 2024.
- Participation, Encouragement of student in Stand India.
- Digital Marketing of the College(CSMSS CSCOE).
- Institute Website development and maintainance (<https://csmssengg.org>)

B) Member of Professional Bodies Membership:

- 1) IEI, AM1776595
- 2) ISTE, LM128462

C) University recoginition and related work:

- 1) Dr. BAMU BOS member Syllabus Setter of SDL- II TE CSE.
- 2) Dr. BAMU BOS member Syllabus Setter of BE CSE.
- 3) Dr. BAMU Paper Assessment.
- 4) Dr. BAMU Practical Exam.
- 5) Dr. BAMU End Semester Exam Invigilator.

D) Laboratory and Infrastructure Development:

- 1) Laboratory Setup for various subjects like Android, Python, Visual Modeling & etc.

E) Any other Significant Contribution / Information:

- 1) **Awarded First Prize of Industrial Project “Customized ERP System for MGPL”** by GIZ (Deutsche Gesellschaft für Internationale Zusammenarbeit), MASSIA (Marathwada Association of Small Scale Industries & Agriculture)
- 2) **Awarded First Prize of Industrial Project “Customized ERP System for Chandra Electrical & Electronics Waluj”** by GIZ (Deutsche Gesellschaft für Internationale Zusammenarbeit), MASSIA (Marathwada Association of Small Scale Industries & Agriculture) held at MGM JNEC Aurangbad.
- 3) Participated and won the Smart India Hackathon (SIH) Final / National Round from 2018 to 2024 .

F) National/Regional/State Award:

- a. Winner Computer Society of India Young IT Professional Award - 2020 (**National Round**) at 53rd Annual Convention Of Computer Society Of India Inaugurated At KIIT Bhubneshwar.
- b. Winner Computer Society of India Young IT Professional Award - 2020 (**Regional Round** - MH Goa Region VI) Hosted by Aurangabad Chapter.
- c. **Best Paper Award** by 3rd International Conference on Intelligent Systems, Cognitive Science and Knowledge Engineering held at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. 08-09 April 2023. Paper Title: Meteorology-Net : Predicting Weather Phenomenon Forecast and classification with Deep Machine Learning and Neural Network.
- d. Mentored and Won a **Smart India Hackathon - 2024 Competition** arranged by Ministry of Education and Ministry of Innovation held at Noida Institute of Engineering & Technology, Greater Noida, 12 December 2024.

G) Publication:

SCIE + SCOPUS Indexed:

1. **Bhosale, Y. H., & Patnaik, K. S*.**(2023).Application of deep learning techniques in diagnosis of covid-19 (coronavirus): a systematic review. *Neural processing letters*, 55(3), 3551-3603. doi.org/10.1007/s11063-022-11023-0 [**SCIE + Scopus, IF:2.565**],**Springer**, ISSN 1370-4621
2. **Bhosale, Y. H*, & Patnaik, K. S.** (2023). PulDi-COVID: Chronic obstructive pulmonary (lung) diseases with COVID-19 classification using ensemble deep convolutional neural network from chest X-ray images to minimize severity and mortality rates. *Biomedical Signal Processing and Control*, 81, 104445. doi.org/10.1016/j.bspc.2022.104445 [**SCIE + Scopus, IF: 6.5**], **Elsevier**, ISSN: 1746-8108
3. **Bhosale, Y. H*, & Patnaik, K. S.** (2023). Bio-medical imaging (X-ray, CT, ultrasound, ECG), genome sequences applications of deep neural network and machine learning in diagnosis, detection, classification, and segmentation of COVID-19: a Meta-analysis & systematic review. *Multimedia Tools and Applications*, 82(25), 39157-39210. doi.org/10.1007/s11042-023-15029-1 . [**SCIE + SCOPUS , IF: 3**], **Springer**, ISSN 1573-7721
4. **Bhosale, Y.H*.** (2026) Meteorology-Net: A Deep Learning Framework for Multi-class Weather Phenomenon Detection, Classification and Forecasting Using Remote Sensing Data. *National Academy Science Letters*. doi.org/10.1007/s40009-026-02124-8 [**SCIE + Scopus, IF:1.5**], **Springer** (17 Apr. 2026). ISSN 2250-1754
5. Singh D P, Banerjee T, Petwal H, Narayan Y, Naidu G R, **Bhosale Y H**, et al., (2026) A Comprehensive Study of Various Hybrid Deep Learning Models for Brain Tumor Classification and Segmentation: Comparative Analysis with Existing State of the Art Approaches. *Archives of Computational Methods in Engineering*. [**SCIE + Scopus, IF:12.1**], **Springer**. doi.org/10.1007/s11831-026-10565-z, 18 April 2026. ISSN 1134-3060
6. **Bhosale, Y.H*.** (2026) AI-Driven Meteorology for Weather Detection, Classification, Nowcasting and Forecasting (1991-2025): A Comprehensive Review of Deep Learning and Machine Learning Approaches. *National Academy Science Letters*. [**SCIE + Scopus, IF:1.5**], **Springer**. doi.org/10.1007/s40009-026-02154-2 . 23 April 2026, ISSN 2250-1754.
7. Shenoy, V.S., Nayak, P., Pillappan, R. **Bhosale Y. H. et al.** (2026) Mechanistic and AI-assisted evaluation of paclitaxel-loaded HSPC liposomes for targeted breast cancer therapy. *Naunyn-Schmiedeberg's Archives of Pharmacology* doi.org/10.1007/s00210-026-05392-9 [**SCIE + Scopus, IF:3.1**] **Springer**. [published on 28 April 2026] ISSN:1432-1912

SCOPUS Indexed:

8. **Bhosale, Y.H*., Patnaik, K.S., Zanwar, S.R. et al.** (2025) Thoracic-net: Explainable artificial intelligence (XAI) based few shots learning feature fusion technique for multi-classifying thoracic diseases using medical imaging. *Multimedia Tools and Applications* **84**, 5397-5433. doi.org/10.1007/s11042-024-20327-3 . [Scopus, IF: 3], Springer
9. Zanwar, S. R., **Bhosale, Y. H.**, Bhuyar, D. L., Ahmed, Z., Shinde, U. B., & Narote, S. P. (2023). English Handwritten Character Recognition Based on Ensembled Machine Learning. Springer: *Journal of The Institution of Engineers (India): Series B.* 104, 1053-1067 (2023). [Scopus - Q3] doi.org/10.1007/s40031-023-00917-9, Springer, ISSN: 2250 - 2106 / 2114.
10. Maurya, S., Chowdappa, K. B., **Bhosale, Y. H.**, Naidu, G. R., Kumar, K., & Kanakaprabha, S. (2025). Adaptive Color Correction and Detail-Preserving Fusion for Enhanced Underwater Image Quality and Segmentation. *Engineering, Technology & Applied Science Research*, 15(4), 26011-26018. doi.org/10.48084/etasr.11438 [Scopus - Q2] ISSN:1792-8036
11. Mir Sohail Ali, Dnyaneshwar B. Mohite, Gajendra R. Gandhe, Mohammed Zeeshan R, Durgesh H Tupe, **Yogesh H. Bhosale*** (2025). Deep Learning-Based Fault Detection in Civil Engineering Structures: A Computational Mathematics Approach Using Vibration Data." *International Journal of Applied Mathematics* 38(3s) : 153-168. doi.org/10.12732/ijam.v38i3s.136 [Scopus - Q2] pISSN: 1311-1728, eISSN: 1314-8060
12. Anil, D., Kuntal R S, Maurya S, Ahuja P, Hiremath S, Hiremath BN, Girisha GS, and **Bhosale Y H***. (2025) MAE-and DINOv2-Powered DETR++: A Hybrid, Transformer-Based Self-Supervised Framework for Accurate Object Detection. *Engineering, Technology & Applied Science Research*, 15(6) : 30137-30143. doi.org/10.48084/etasr.12919 [Scopus - Q2]
13. Awwab N M. Shreeshayana P R, Jagadeesh S, Raj A, Patil B, **Bhosale Y H**, Nagaraj SM, D. Anil. (2026) NetPhish-Mix: A Multi-Modal Phishing Detection Method Utilizing URL Graphs and Page Screenshot Vision Transformer. *Engineering, Technology & Applied Science Research*, 16(1) : 31209-31214, Feb. 2026. doi.org/10.48084/etasr.15759 [Scopus - Q2]
14. R. Mishra, A. Kaliappan, Sarala D. V., T. V. Hyma Lakshmi, Prabhat Kumar Ravi, Y. Harika Devi, Satyajee Srivastava, Deepak Suresh Asudani, Sanjana M. Nagaraj, **Bhosale Y. H***. (2026) Domain-Adaptive Multitask BERT with Graph Context Modeling for Code-Mixed Hinglish Sentiment Classification, *Engineering, Technology & Applied Science Research*, 16(1), pp. 32336-32341, Feb. 2026. doi.org/10.48084/etasr.16589 [Scopus - Q2]
15. V. Mekali, M. P. Sowbhagya, H. D. Aparna, Deepa K. Mathew, Vandana Singh, Nitesh N. Nikam, Ganesh B. Dongre, **Yogesh H. Bhosale***, (2026) A Cross-Modal Retrieval Framework for Radiology Reports and Chest X-Ray Images, *Engineering, Technology & Applied Science Research*, 16(2), pp. 33196-33201, Apr. 2026. doi.org/10.48084/etasr.17163 [Scopus - Q2]
16. Holli G, Sridhar S K, Mahendra M K, Tahseen S, Nakrani M G, Mohammad A, Dongre G B, Ali S S, Dalvi R. C, **Bhosale Y. H.*** (2026) Attack-Aware Cloud Data Protection Using CNN-Transformer Intrusion Intelligence and Quantum CNN-Based Attribute Encryption, *International Journal of Intelligent Engineering and Systems*, 16(9), pp. 733-747, [10.22266/ijies2026.0630.39](https://doi.org/10.22266/ijies2026.0630.39) [Scopus - Q2]. ISSN: 2185-3118
17. Transformer CNN Framework Optimized by Tornado Optimization Algorithm for Brain Tumor Segmentation and Classification, *International Journal of Intelligent Engineering and Systems* [Scopus - Q2]. Under Revision
- 18.

Peer Reviewed:

- Zanwar S R, Dikle S R, Abhang L B, Vidhate D A, Pathak A, Bhosale Y H . (2025). Multi-Agent System and Control Engineering: A Mathematical Deep Learning Approach For Robotics and Automation." International Journal of Applied Mathematics 38(8s) : 392-407. doi.org/10.12732/ijam.v38i8s.572
- Nidamanuri, Sudheer, Yogesh H. Bhosale, Kadam Jagannath Jijaba, Boddepalli Kiran Kumar, and L. Malathi. 2025 "Neonatal Sepsis Prediction Using AI-Based Vital Sign Analysis in NICUs: A Multicenter Retrospective Study." Vascular and Endovascular Review 8, no. 17s (2025): 375-382. <https://verjournal.com/index.php/ver/article/view/1285>
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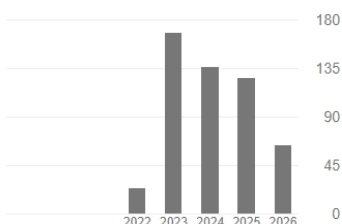
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I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars. It would be a pleasure working in your firm.

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