Department of Artificial Intelligence

Faculty Achievements

Sr. No.	Name of Faculty	Achievement
1	 Dr. Sakshi Sadhwani (Dr. Sharda Chhabria)	**Awards Received:** • Academic Excellence Award – 2024 (Higher Education Level) by Institute of Scholars (InSc). • Research Excellence Award – 2024 by Institute of Scholars (InSc). • Global Teacher Award – 2021 by AKS Education Awards. **Patent Granted on:** • Efficient Biometric Security System for SIM Card Allotment (Patent Granted on 13/09/2023). • Invisible Character Display Using Polarization of Light Mechanism in ATM and Customizing Security (Patent Granted on 23/03/2023). • AI based Targeted Drug Delivery Device for Diabetes Mellitus (Patent Granted on 4 June 2026) • AI based apparatus for classification and segmentation of brain tumour (Patent granted on 25/02/26) • Deep Learning Based Detection for Breast Cancer on Monogram Images(Patent published on 28/3/2025) **Book / Book Chapter Published on Title:** **Book Edited:** • Futuristic Trends in Artificial Intelligence, Volume 3, ISBN: 978-93-6252-030-2, Published by Iterative International Publishers (IIP), May 2024. **Book Chapters Published:** • An Efficient Deep Convolutional Neural Networks Model for Genomic Sequence Classification in Genomics at the Nexus of AI, Computer Vision, and Machine Learning (Wiley/Scrivener Publishing). • Proximal Femur Fracture Detection using AI in Patient-Centric 6G: A New Era in Smart Health Care (CRC Press, Taylor & Francis).

- A Comparative Analysis of Deep Learning Models and Conventional Approaches for Osteoporosis Detection in Hip X-Ray Images.
- Futuristic Trends in AI.
- Arrhythmia Detection Using Machine Learning & Deep Learning.
- Neural Radiance Fields in Computer Vision.

Copyright Awarded on:

- Employee Face Recognition Attendance System Using LuxandFaceSDK (Registration No. L-79028/2018).
- Library Management System using LuxandFaceSDK Software (Registration No. L-85153/2019).
- Intelligent Gesture Recognition System (Applied, Diary No. 1951/2021-CO/L).

NPTEL:

- Elite Certification in NPTEL Course on **E-Business** (Jul–Oct 2024, 12-week course).
- NPTEL Certification in **Research Methodology**.

Grants Received:

- Funding of **₹3.5 Lakhs** received for organizing AICTE ATAL FDP on Generative AI and Its Applications (2024).
- Funding received from **IEEE Bombay Section** for organizing FDPs.
- **AICTE RPS Grant – ₹11.29 Lakhs** for the project "To Develop Multipurpose Human Computer Interaction Based System for Physically Disabled Person."

Session Chair / Reviewer / Board Member / Guest Lecture or Expert Lecture Delivered:

Session Chair:

- Organizing Chair, ICAIQSA-2025.
- Organizing Chair, ICAIQSA-2024.
- Organizing Chair, ICAIQSA-2023.
- Organizing Chair, ICAIBDA-2022.
- Program Chair & Session Chair, International Conference on Information Security and Privacy (2015).

Reviewer / Board Member:

- IEEE GHRCEMN Branch Counsellor (2025-26)
- HoD & BoS Chairperson, Department of AI,GHRCEMN
- TPC Member & Reviewer (2025-26)

		• Reviewer, IEEE Systems Journal. • Reviewer, ICETET 2008–2013. • Reviewer, International Conference on Information Security and Privacy (Elsevier). • Reviewer, IEEE IATMSI-2024. • Reviewer, ICICET-2024. • Reviewer, SCES-2024. • Associate Editor, International Journal of Cybernetics Computer Modelling and Information Forensic. • Member, Technical Program Committee, International Advanced Computing Conference (2021). **Guest / Expert Lectures Delivered:** • Delivered expert talk on "Introduction to Integrating blockchain Technology with cloud computing", at Two-days National Level Workshop on "Integrating Blockchain with Cloud Computing: A next Gen Tech Workshop" organized by Dept. of AI, GHRCEMN. • Delivered Guest lecture on "Machine Learning Algorithms" organized by IE(I) Student Chapter, Babasaheb Naik College of Engineering, Pusad, India on 5/4/24. • Delivered Guest lecture on "Machine Learning and AI Tools" organized by Department of Computer Science and Engineering, Rajiv Gandhi College of Engineering & Technology, Chandrapur on 16/4/24 • Delivered Guest lecture and hands on session conducted on Students Skill Training Program on "Artificial Intelligence & Machine Learning", Organized by Department of Electronics and Telecommunication Engineering, G H Raisoni Institute of Engineering and Technology from 09th August to 14th August 2021. • Delivered Guest lecture on IoT Applications and hands on session conducted using IoT sensors in one week Faculty Skill Training Program on "IOT& Digitization and Sensors &Transducers", Organized by Department of Civil Engineering, GHRAET Nagpur on 26th Nov to 1st Dec. 2018. • Delivered Guest lecture on Introduction of Oracle 9i – Government Residential Women's Polytechnic, Yavatmal. • Delivered Guest lecture on Introduction of Oracle 9i –at Jhulelal Institute of Technology. • Delivered guest lecture on Speech Recognition Techniques in STTP on "Speech Processing" organized by ETC,GHRCE on 7th November 2015.

Department of Artificial Intelligence

2



Dr. Tabassum H Khan

Awards Received

- I2OR National Elite Teacher Award 2021 by by the International Institute of organized Research (I2OR) which is a registered MSME with the Ministry of Micro,Small and Medium Enterprises, Government of India and is advocating United Nations Sustainable Development Goals through Academic and Research Programs for API and Career Advancement Scheme.Ref No. I2OR/2021/NETA-033 on Dated: 5th September 2021.
- Recognized as Primary Evaluator by Government of India for Toycathon 2021.

Patent Filled:

▪ In 2013-14 A secure recognition based graphical password by watermarking.

▪ In 2016-17 Leafy vegetable plucking machine. ▪ In 2021 Australia Patent : An Intelligent system & method to track and navigate moving objects in a smart environment using IOT network.

▪ In 2023 AI-Based Image Processing for Agricultural Monitoring and Crop yield Estimation. ▪ In 2024 Patient Warming Device.

▪ In 2025 Compact foldable earphone design with ergonomic fit.

▪ In 2026 Smart Emotion- Sensitive Video Tagging Device via Multimodal Fusion.

Book/Book Chapter Published on Title:

- Machine Learning Published by Scientific International Publishing House, Tamilnadu-India. ISBN: 978-93-5625-627-9.
- Blockchain Technology Published by Scientific International Publishing House, Tamilnadu-India, ISBN: 978-93-6132-617-9.
- "MIND-SHIELD: A Multi-Intelligence Deep Learning Framework for Hierarchical Threat Detection and Zero-Shot Situational Intelligence Process", was accepted in May 2025 for inclusion in the book "AI-Driven Cyber Risk Management" to be published by River Publishers.

Copyright Awarded on:

- HELLO SAKHI-CONNECT, INSPIRE, EMPOWER - LITERARY/ DRAMATIC WORK Received on 25- 03-2025.

NPTEL:

- Natural Language Processing completed and appeared for exam in March 2026 and was Successful.
- Responsible & Safe AI Systems completed and appeared for exam Oct 2025 and was Successful.
- Generative AI and Large Language Models with 75.6 % Silver Certificate 2024.
- National Education Policy-2020:Professional Development Programme...completed but exam not given.
- Applied Accelerated Artificial Intelligence completed but exam not given.
- Generative AI for Everyday Life completed but exam not given

Session chair/ reviewer/ Board Member/Guest Lecture or Expert lecture delivered

- Reviewer, IEEE MysuruCon 2021, Hassan, 24–25 October 2021.
- Reviewer, IEEE ICCICA-2021, GHRCE Nagpur, 26–27 November 2021.
- Reviewer, IEEE IBSSC-2021, 18–20 November 2021.
- Reviewer, IEEE ICMNWC-2021, Tumkur, 03–04 December 2021.
- Reviewer, ICDCECE-2022, Ballari, 23–24 April 2022.
- Reviewer, ICETET SIP-2022, GHRCE Nagpur, 29–30 April 2022.
- Reviewer, ICAIBDA-2022, GHRIET Nagpur, 10–11 June 2022.
- Reviewer, ICDSIS-2022, Hassan, 29–30 July 2022.
- Reviewer, ICICACS-2023, Raichur, 24–25 February 2023.
- Reviewer, ICDCECE-2023, IEEE Bangalore Section, 29–30 April 2023.
- Reviewer, ICAISC-2023, Dharwad, 16–17 June 2023.
- Reviewer, NMITCON-2023, Bangalore, 01–02 September 2023.
- Reviewer, EASCT-2023, Bengaluru, 20–21 October 2023.
- Reviewer, AIKIIE-2023, Ballari, 02–03 November 2023.
- Reviewer, ICIICS-2023, Kalaburagi, 24–25 November 2023.
- Reviewer, ICMNWC-2023, Tumkur, 29–30 November 2023.
- Reviewer, International Conference on Advance Communication, Energy and Big Data, GHRIET Nagpur, 15–16 March 2024.
- Reviewer, IEEE ICDSNS-2024, Tiptur, 26–27 July 2024.

		• Reviewer, IC3IT-2025. • Reviewer, ICAMIDA-2025. • Reviewer, IEEE NMITCON-2025. • Reviewer, SSITCON-2025. • Reviewer, IEEE ICETEMS-2026. • Reviewer, IEEE AECE-2026. • Reviewer, IEEE NMITCON-2026. • Reviewer, Scientific Reports, 2026. • Editor, Journal Publication of International Research for Engineering & Management, February 2025. • Editorial Board Member and Reviewer, Scientific Innovation Research Group (SIRG) LLC, Egypt. • Session Chair in the 3rd National Conference on Recent Innovation in Science , Engineering and Technology by G.H.Raisoni Institute of Engineering and Technology, Nagpur on 23rd March 2018. • Session Chair in Zenith 22- G H Raisoni Institute of Management & Research (GHRIMR) in association with G H Raisoni College of Arts, Commerce & Science, Wagoli, Pune. Maharashtra (GHRCACS), are organizing a two days A Multi disciplinary Online International Conference "On Innovative Research Practices in Business, Economics, Social Science & Technology " (ICNIRP BESS & T) , to be held on 3rd & 4th June 2022.
3	 Prof. Rahul Suryawanshi	**Patent Filed** • In 2026 Smart Emotion- Sensitive Video Tagging Device via Multimodal Fusion. **Session chair/ reviewer/ Board Member/Guest Lecture or Expert lecture delivered** • Faculty Co-coordinator, 3rd International AI Summit (IAIS#3) (2023–24). • Delivered an expert talk on "Analysis of Algorithms" at Govindrao Wanjari College of Engineering, Nagpur, on 29th April 2026 • Invited as a Judge for InnovateX Sprint 1.0 Hackthon at Diploma of Computer Engineering Department GHRCEM Nagpur • Publicity Chair of ICAIQSA-2025 – IEEE International Conference

Department of Artificial Intelligence

4	 Prof. Vaishali Patil	**NPTEL** Successfully Completed NPTEL on "Computer Networks and Internet Protocol" **Session chair/ reviewer/ Board Member/Guest Lecture or Expert lecture delivered** ● Registration Chair, ICAIQSA-2025 IEEE International Conference. ● Coordinator, National Level Workshop on **Integrating Blockchain with Cloud Computing: A Next-Gen Tech Workshop** in association with IndiaAI, IEEE SB, IEEE CS, IEEE ComSoc 2025
5	 Prof. Rajesh Nasare	**Session chair/ reviewer/ Board Member/Guest Lecture or Expert lecture delivered** ● **Reviewer**, International Conference **RBUCON Computing 2025**, held on 20–22 February 2025. ● **Reviewer**, International Conference on **Advances in Computing, Control & Telecommunication Technologies (ACCCT 2025)** organized by Department of Computer Technology & Computer Science and Engineering, YCCE, held on 7–8 February 2025.
6	 Prof. Umesh Lanjewar	**NPTEL** NPTEL Topper + Silver in Problem Solving Through Programming in C in 2024 Elite certificate on Business intelligence in 2022 **Session chair/ reviewer/ Board Member/Guest Lecture or Expert lecture delivered** ● Reviewer, International Conference on Advances in Computing, Control & Telecommunication Technologies (2025) ● IEEE-GRSS Advisor (2025-26)

Department of Artificial Intelligence

7	 Prof. Shweta Bhelonde	**Patent Granted on** • Smart IoT Based Wrong Posture Muscle Strain Detection filed on 2024 **Copyright Awarded on:** Poster: Exploring the Role of Machine Learning in Crime Detection in 2024. **NPTEL** Elite Certificate in Foundation on Cloud IoT Edge ML in 2024 **Session chair/ reviewer/ Board Member/Guest Lecture or Expert lecture delivered** • IEEE-CS-GHRCEMN Advisor • Reviewer, IEEE IATMSI-2026 • Reviewer, IC-RACT 2025 (Springer)
8	 Prof. Rashmi Janbandhu	**Session chair/ reviewer/ Board Member/Guest Lecture or Expert lecture delivered** • Publication Chair, ICAIQSA-2025 IEEE International Conference. • IEEE-CIS-GHRCEMN Advisor 2025. • Judge for CODE LEAGUE (MCA Department, GHRCEMN) 2025
9	 Prof. Priyanka Ujjainkar	**Awards Received** • Oracle Cloud Infrastructure 2025 certified **Patent Granted on** • POWER ELECTRONIC CONVERTER FOR BATTERY CHARGER Patent published on 7/7/25 • Faceguard: Multimodal ATM Authentication System Patent published on 24/10/2025 **NPTEL** Acquired an Elite Silver certification in NPTEL course on "Foundation of Deep Learning "in 2026 **Session chair/ reviewer/ Board Member/Guest Lecture or Expert lecture delivered** • Worked as Reviewer in ICETET-SIP-25 in international conference on Emerging Trends and Technology held on 1st and 2nd August 2025. • Delivered guest lecture in govt polytechnic college MP in 2022 • Reviewer, International Conference RBUCON Computing 2025 • Member, ICAIQSA-2025 IEEE International Conference (2025-26)

Department of Artificial Intelligence

10	 Prof. Kalyani Kadukar	**NPTEL** Successfully completed certification in NPTEL Course on "Roadmap for Patent Creation.
11	 Prof. Anirudh Bhagwat	**Book/Book Chapter Published on Title:**Artificial Intelligence: Concepts, Foundations, and Applications **Copyright Awarded on:** **NPTEL** Successfully completed certification in NPTEL Course on "Business Intelligence & Analytics".
12	 Prof. Kailash Baraskar	**Book/Book Chapter Published on Title:** Mastering Data Structures Unlocked: A Deep Dive into Essential Concepts
13	 Prof. Binay Suna	**Awards Received** • Cybersecurity Expert Rank in Accenture Pvt Ltd Course • Rank 1235 in GATE CSE 21 • System Migration Expert title in Balbix Pvt Ltd.

Department of Artificial Intelligence

14	 Prof. Prachi Durge	**Patent Granted on** ● Faceguard: Multimodal ATM Authentication System Patent published on 24/10/2025
15	 Prof. Utkarsh Gaikwad	**Awards Received** GATE CSE 2022 AIR 1694 out of 77 thousand participants