G. H Raisoni College of Engineering & Management, Nagpur

(Formerly Known as G H Raisoni Institute of Engineering &Technology, Nagpur)
An Autonomous Institute Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
Accredited by NAAC with "A+" Grade

Department of Information Technology

Department of Information Technology

Faculty Achievements

Sr. No.	Name of Faculty	Achievement
1	 Dr. Sonali Ridhorkar	**Awards Received** • Dr. Sonali Ridhorkar received Teaching Excellence Award by UILA Awards is being organized at Shaheed Sukhdev College of Business Studies, New Delhi, India in association with National Institute of Technology Patna and University of Valladolid, Spain on 20th Feb 2021 by Universal Innovators. • Dr. Sonali Ridhorkar received Literoma Nari Samman Winner 2021. • Dr. Sonali Ridhorkar got Best Paper Award in ICAIBDA -22 Award by GHRIET Nagpur, Was sponsored by AICTE New Delhi, was judged as Best paper technical session on Uncertainty in AI in session 2021-22. • Dr. Sonali Ridhorkar got I2OR National Elite Teacher Award 2021 by International Institute of organized Research (I2OR) at the session 2021-22 • Dr. Sonali Ridhorkar(HOD,CSE) was awarded by Pratibha Samman 2022 Award by Navbharat on dated 5/9/2022 in session 2022-23 **Patent Granted on** • A Portable Offline Speech-To-Text Writing Device • 5g Based Wireless Network Repeater • Sensor Device for Breast Cancer • Artificial Intelligence and IOT Based Smart Healthcare System to Monitor and Brain Tumor Using WSN and Deep Learning Algorithm • An Intelligent System & method to Track and navigate Moving Objects in a Smart Environment using IoT Network • Network Gateway Device • Portable Server **Book/Book Chapter Published on Title** • Blockchain Technology and its Application • Multi-Category News Aggregation Platform: Review • Machine Learning • Universal (Stand-Alone) Language Translator,

		• Elliptic Curve Cryptography: Implementation Issues, Key Establishment Protocol • Book Chapter "Blockchain Computing Technology: Challenging Security and Privacy Issues", published in the book "Block Chain for Smart Systems: Computing Technologies and Applications. • Book chapter "A Comprehensive Survey on Content-Based Image Retrieval Using Machine Learning", published in Lecture Notes on Data Engineering and Communications Technologies **Copyright Awarded on** • Implementation of Elliptic Curve Arithmetic Based on Elliptic Curve Cryptography • Key Agreement Protocol Implementation Based Elliptic Curve Cryptography • Secure E-Voting System Based on Blockchain Computing Technology • Review On Multi-Category News Aggregations Platform • The Importance of Artificial intelligence in cybersecurity • Blockchain Technology For Intelligent Transportation System **NPTEL** • **Acquired Elite Certification in NPTEL Course on, "**Enhancing Soft Skills and Personality" • Successfully completed the certification in NPTEL Course on, "The Science of Happiness and Wellbeing" • Acquired Elite Certification in NPTEL Course on, "Research Methodology" • Successfully completed the certification in NPTEL Course on, "Environmental Science" **Grants Received** • Received a grant of 50,000 for International conference on ICAIBDA, GHRIET Nagpur at the session 2021-22 • Received grant 1,00,000 for club by **Funding Agency SPICES on dated** 02/02/2023 for the session 2022-2023 • Received grant 1,10,000 for Faculty development program by funding agency E&ICT Academy, NIT Warangal **on dated** 17/12/2023 for the session 2022-2023 • Received grant 61,000 for Faculty development program by funding EICT Academy IIT Roorkee **on dated** 22/02/2024 for the session 2023-2024

		• Received grant 1,84,000 for Faculty development program by funding EICT Academy IIT Roorkee **on dated** 11/11/2024 for the session 2024-2025 • Received grant 2,00,000 for Faculty development program by funding E&ICT Academy, IIT Guwahati **on dated** 16/07/2025 for the session 2025-2026 **Session chair/ reviewer/ Board Member/Guest Lecture or Expert lecture delivered** • Dr. Sonali Ridhorkar acted as Reviewer in ICETET SIP-22 in 10th International Conference on Emerging Trends in Engineering and Technology - Signal and Information Processing (ICETET-SIP-22) held at G H Raisoni College of Engineering, Nagpur during 29th - 30th April 2022 was technically supported by IEEE Bombay Section and Nagpur Sub-Section in association with GHR Lab and Research Center 2021-22 • Dr. Sonali Ridhorkar acted as Reviewer in ICDCECE-2022 IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE-2022) which was organized by the Ballari Institute of Technology and Management, Ballari , India in association with IEEE Bangalore Section and IEEE Information Society on 23rd-24th April, 2022. 2021-22 • Dr. Sonali Ridhorkar acted as Reviewer in IEEE-ICCICA-21 for IEEE International Conference on Computational Intelligence and Computing Applications-21 (IICCICA-21) which will be held in G H Raisoni College of Engineering 2021-22 • Dr. Sonali Ridhorkar acted as Reviewer in IEEE MYSURUCON 2021 in the First Edition of the Flagship International Conference Series of IEEE Mysore at session 2021-22 • Dr. Sonali Ridhorkar acted as Organizing Member in ICAET 2021. • Dr. Sonali Ridhorkar acted as Organizing Member in ICETEMS 2021. • Dr. Sonali Ridhorkar acted as National Committee Member, ICRCEST2021 in International Conference on Recent Challenges in Engineering Science and Technology (ICRCEST 21), on 27th – 28th August 2021, which was Organized by Institute for Engineering Research and Publication (IFERP), at session 21-22 https://icrcest.com/national-advisory-

		committee.php • Dr. Sonali Ridhorkar appointed as General Chair in ICAIBDA, GHRIET Nagpur 2021-22 • Dr. Sonali Ridhorkar (HOD, CSE), Convener of FDP on Artificial Intelligence for Medical Image Processing (30th Jan–8th Feb2023) organized by Computer Science Engineering Department of G H Raisoni Institute of Engineering & Technology, Nagpur, In association with E&ICT Academy, NIT WARANGAL • Dr. Sonali Ridhorkar (HOD, CSE), Session Chair of 11th IEEE International Conference on Emerging Trends in Engineering & Technology-Signal and Information Processing (ICETET SIP-23). • Dr. Sonali Ridhorkar (HOD, CSE), University nominee Member of the Board of Studies of Priyadarshini J. L. College of Engineering (Autonomous Institute) • Dr. Sonali Ridhorkar (HOD, CSE), published the book for the session 22-23 on the following subject: • Machine Learning, Scientific International Publishers, ISBN 978-93-5625-627-9 • Universal (Stand-Alone) Language Translator, ISBN:978-620-5-52616-3 • Dr. Sonali Ridhorkar (HOD, CSE) Registered a Copyright of Literary/Dramatic work : Secure E-voting System Based On Blockchain Computing Technology, 25664/2022-CO/L • Dr. Sonalli Ridhorkar(HOD,CSE) Published a patent on Artificial Intelligence And Iot Based Smart Health Care System To Monitor And Predict All Types Of Brain Diseases And Brain Tumor Using Wsn And Deep Learning Algorithms, application No. 202221065760 5/11/2022 • Dr. Sonali Ridhorkar(HOD,CSE), Mrs. Pragati Fatinge Submitted funding proposal for the subscription to the cloud services:Cohort 2 under MeitY Quantum Computing Applications Lab with a funding agency Ministry of Electronics and Information Technology(MoEITY) • Dr. Sonali Ridhorkar (HOD, CSE), works as Session Chair at the International Conference On Technological Innovations & Applications In Industry 4.0: Challenges And Way Ahead (Ictia-2024), organized by the Department of Mechanical Engineering of St.Vincent Pallotti College of

		Engineering & Technology, Nagpur. The conference will be held in a hybrid mode on 24th - 25th April 2024. • Dr. Sonali Ridhorkar (HOD, CSE), deliver an expert lecture on "Block-chain studies", organized by E&ICT Academy, IIT Roorkee on 20/01/2024 • Dr. Sonali Ridhorkar (HOD, CSE) works as a Resource person and delivers a expert talk on the subject "Importance of Artificial Intelligence in Cyber Security" for a short-term training program on Artificial Intelligence and Machine Learning, scheduled on 03/02/2024 to 03/02/2024 in online mode, organized by the Department of Computer Science and Engineering, Rajiv Gandhi College of Engineering, Research & Technology, Chandrapur. • Dr. Sonali Ridhorkar (HOD, CSE), works as Session Chair at 2nd IEEE Conference on Artificial Intelligence and Quantum Computing – Based Sensor Applications (ICAIQSA-2024) held on 20th and 21st Dec 2024 organised by Department of Artificial Intelligence, GHRCEM, Nagpur and technically co-sponsored by IEEE Bombay • Dr. Sonali Ridhorkar (HOD, CSE), works as Reviewer at 2nd IEEE Conference on Artificial Intelligence and Quantum Computing – Based Sensor Applications (ICAIQSA-2024) held on 20th and 21st Dec 2024 organised by Department of Artificial Intelligence, GHRCEM, Nagpur and technically co-sponsored by IEEE Bombay • Dr. Sonali Ridhorkar (HOD, CSE), deliver an expert talk on "Scope of AI ML in IoT Networks", on 24/01/2025 as a part of FDP on "Artificial Intelligence and Machine Learning for Next Generation IoT Network" • Dr. Sonali Ridhorkar (HOD, CSE), works as Reviewer at 1st International Conference on Sustainability, Innovation & Technology (ICSIT 2025) held on 22nd and 23rd August 2025 organised by Symbiosis Institute of Technology, Pune and technically co-sponsored by IEEE Bombay Section • Dr. Sonali Ridhorkar (HOD, CSE), Appointed as Member of Board of Studies, for St. Vincent Palloti College of Engineering & Technology, Nagpur for Department of Information Technology, for the academic session 2024-2025 to 2026-2027

		• Dr. Sonali Ridhorkar (HOD, CSE), Appointed as Member of Board of Studies, for Shri Tulsiram Gaikwad Patil College of Engineering & Technology, Nagpur for Department of Information Technology, for the academic session 2024-2025 to 2026-2027 • Dr. Sonali Ridhorkar (HOD, CSE), works as Reviewer at 12th International Conference on Emerging Trends in Engineering and Technology- Signal and Information Processing (ICETET SIP-25) held on 1st and 2nd August 2025 organized by G.H.Raisoni College of Engineering, Nagpur and technically co-sponsored by IEEE Bombay Section • Dr. Sonali Ridhorkar (HOD, CSE), works as Reviewer at 2nd International Conference on Machine Learning Algorithms – ICML-ALGO 2025 held on 29-30 August 2025 and organized by Chitkara University School of Engineering and Technology, Chitkara University, Himachal Pradesh, INDIA
2	 Mohini Thakre	**Patent Granted on** • Neurofusion Dx:a Modular Ai Driven Multi Model Diaganostic System For Early Detection Of Autism, Fragile X Syndrome And Rett Syndrome **Copyright Awarded on** • Copyright On Intelligent Automation AI Tool **Book/Book Chapter Published on Title** • Introduction Business Intelligence Analytics **Session chair/ reviewer/ Board Member/Guest Lecture or Expert lecture delivered** • Reviewer for 2026 3rd International Conference on Emerging Trends in Engineering and Medical Sciences in YCCE • Reviewer in International Conference AI driven Engineering & Technology at St. Pallotti College of Engg. & Technology, Nagpur. December 2025 **NPTEL** • Successfully completed the certification in NPTEL Course on, Operating System Fundamentals

3	 Ashish Kakne	**Patent Granted on** • The impact of remote work on employee productivity and job satisfaction. • AIML-Based Multilingual Chatbot Framework– A system that uses AIML to seamlessly switch between multiple languages in real-time conversations **Copyright Awarded on** • Real Time Gesture Translator and Learning Platform for Hearing and Speech Impaired **Book/Book Chapter Published on Title** • Introduction Business Intelligence Analytics **Session chair/ reviewer/ Board Member/Guest Lecture or Expert lecture delivered** • Working as a reviewer in "Trends in Sciences (TiS)", Walailak University, Nakhon Si Thammarat 80160, Thailand journal.
4	 Ashwini Watekar	**Patent Granted on** • AIML-Based Multilingual Chatbot Framework– A system that uses AIML to seamlessly switch between multiple languages in real-time conversations **Copyright Awarded on** • Real Time Gesture Translator and Learning Platform for Hearing and Speech Impaired **Book/Book Chapter Published on Title** • Introduction Business Intelligence Analytics
4	 Chetana Ashok Khandale	**Patent Granted on** • AIML-Based Multilingual Chatbot Framework– A system that uses AIML to seamlessly switch between multiple languages in real-time conversations **Copyright Awarded on** • Real Time Gesture Translator and Learning Platform for Hearing and Speech Impaired **Book/Book Chapter Published on Title** • Introduction to Python Programming • E-Learning Infrastructure with Cryptographic Security

		• Book Chapter "Multidisciplinary Studies and Multidisciplinary Research- Conceptual Foundation and Key Differences" • LangGraph UsingCustomer Service & Multiagent Workflow (E-commerce Platform), International Jornal of Innovative Research and Technology
5	 Priyanka Kanoje	**Patent Granted on** • AIML-Based Multilingual Chatbot Framework– A system that uses AIML to seamlessly switch between multiple languages in real-time conversations **Copyright Awarded on** • Real Time Gesture Translator and Learning Platform for Hearing and Speech Impaired **Book/Book Chapter Published on Title** • Introduction Business Intelligence Analytics
	 Anil Laxmanrao Bende	**Copyright Awarded on** • Real Time Gesture Translator and Learning Platform for Hearing and Speech Impaired **NPTEL** • Successfully completed the certification in NPTEL Course on, Cryptography and Network Security