



**Name – Dr. Madhuri Bhagwanta Thorat**

**Qualification- Ph. D. in Computer Engineering.**

**Experience- 7 Years**

**Portfolio at college level:**

1. Academic Coordinator.
2. Autonomy Coordinator.
3. Alumni Coordinator
4. Timetable Coordinator
5. NBA Criterion 6 and 10.

**Publication**

**Conferences:**

1. “AnEMG based Expert System for Detection of Wrist Flexion and Extension”, 3rd International Conference on Futuristic Technologies (INCOFT-2025).
2. “To Inspire Minds: Generating Multimedia Poetry Education Using Gen AI”, Ninth International Conference on Smart Trends in Computing and Communications (SmartCom 2025).
3. “Spinal Cord Deformity Detection Using CNN ”, International Conference on Science, Engineering & Technology (ICSET - 24).
4. “Natural Language Processing for Sentiment Analysis in Social Media Marketing” 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), IEEE
5. “Review Paper on Sentiment Analysis for Hindi Language.” International Conference on Emerging Trends in Communication and Technology, Jan 2021.
6. “ML and AI Based Behavioral Analysis and Monitoring for Any Premises for Smart Control and Security”, International conference on Future Intelligence in Science and Technology, May 2020.

7. “A Survey on Remote controller for Home Appliances”, National conference on Emerging Trends and Challenges in Computer Science and Technology, Feb 2017
8. “Environment Quality Monitoring System By Using Sensor Array”, National conference on Emerging Trends and Challenges in Computer Science and Technology, Feb 2017

**Journal:**

9. “An EMG based Expert System for Detection of Wrist Flexion and Extension”, International Journal Of Advance Research And Innovative Ideas In Education, 2025.
10. “From Words to Wonders: AI-Generated Multimedia for Poetry Learning”, International Journal for Research in Applied Science & Engineering Technology, 2025.
11. “Unveiling Sarcasm in Hindi: A Cutting-Edge Deep Learning Framework for Sarcasm Detection” Panamerican Mathematical Journal, 2023.
12. “Novel Deep Neural Network Approach For The Sarcasm Detection In Hindi Language.”, International Journal of Intelligent Systems and Applications in engineering, 2023.
13. “Clinical Data Analysis of Patient and Recommendation”, NeuroQuantology, June 2022.
14. “Cognitive Analysis of User for Suggesting Learning Objects”, NeuroQuantology, June 2022.
15. “Cognitive Analysis of Employer for Identifying Incubation Success Factors”, NeuroQuantology, June 2022.
16. “Cross-Lingual Plagiarism Detection Using NLP And Data Mining”, International Research Journal of Engineering and Technology, Dec 2021.
17. “Credit Card Fraud Detection Using Machine Learning”, The International journal of analytical and experimental modal analysis, Dec 2021
18. “Smart Home Control and Monitoring System using Raspberry PI”, International Journal of Innovative Research in Computer and Communication Engineering, May 2017.
19. “A Intelligence Communication Protocol Based Monitoring and control Home Appliances” International Journal of Innovative Research in Science, Engineering and Technology, December 2016
20. “Survey on Business model For Cloud Computing using RSA & AES Algorithm”, an international paper published in International Journal of Engineering and Computer Science, Feb 2015.

21. "Business model For Cloud Computing using RSA & AES Algorithm", in International Journal of Advanced Research in Computer Engineering & Technology, April 2015

**Patents/ Copyright:**

**Patent:**

1. "Natural Language Processing Based Patient Medical Conditions Assessment System", 2021
2. "Multi-Lingual Sarcasm Detection Device", 2024

**Copyright:**

1. "To Inspire Minds Generating Multimedia Poetry Education Using Gen AI.", 2025

**Book:**

1. "Applications and trends in machine learning", Bluerose Publication ,ISBN No. 978-93-5668-305-1, April 2022

**Projects/ Achievements:**

**Projects:**

1. Sarcasm Detection for Sentiment Analysis on Hindi Language using Deep Learning.
2. A Intelligence communication protocol based Monitoring and Control Home Appliances.
3. Business Model for cloud computing Using RSA & AES Algorithm.
4. Online Library Management System.