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FOR THE **December** ISSUE

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<https://codewave.com/insights/blockchain-tech-healthcare-applications/>

### This issue

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## Blockchain Technologies:

### Prospects for Resolving Practical Issues in the Biomedical and Healthcare Sectors

Although blockchain technology is most commonly linked to the financial sector, it can be used in other sectors as well. Because of the distributed ledger's unique features and expanded functionality, the underlying architecture of blockchain holds great potential to revolutionise the delivery of medical, clinical, and life sciences services. The possible impact is on par with what was observed with the introduction of TCP/IP. Healthcare professionals and biomedical scientists are interested in blockchain technology in a number of healthcare areas, including patient portals, medical research, data security, automated claims, drug development, population health, consumer health, and supply chain management cost reduction.

#### Blockchain's Prospects for the Future

Blockchain refers to a digital platform that is used to execute and record transactions. It can be thought of as a building block made of collected data and clever algorithms, protected by cryptography. Blockchain technology is being used by governments and companies to rethink high-tech paradigms, whether in the financial markets, healthcare, or military. Blockchain is one of the top 10 strategic technology trends for 2018 and 2019, according to Gartner

#### Real-World Blockchain Applications In Healthcare And Biomedical Sciences

1. Health Information Exchange and Interoperability
2. Patient-Centric Data Sharing
3. Secure and Trustable Clinical Data
4. Supply Chain and Pharmaceutical Delivery
5. Blockchain in Healthcare Insurance

#### Conclusions

Despite its difficulties, blockchain has the potential to provide long-term advantages like enhanced cash flow, cheaper transaction costs, quicker settlement times, asset provenance, native asset creation, and the development of new trust models. When conducting transactions, using a blockchain can do away with the requirement for central authorities. This is because each member contributes to maintaining the integrity of the database, and trust is ingrained in the model through immutable entries on a distributed ledger.

**Dr. Madhav M. Bokare**  
Principal

SSBES' ITM, Nanded

**Executive Member AACST**



## Just Laugh 🤔

Why do programmers prefer dark mode?

Think... Think... Think...

Because light attracts bugs. 🐛🐛🐛

## Computer Days

📅 10<sup>th</sup> November – World Science Day for Peace and Development

This day highlights the importance of science in building a sustainable and peaceful world. It encourages us to use research and innovation for the betterment of society and the planet.

📅 11<sup>th</sup> November – National Education Day (India)

Observed in memory of Maulana Abul Kalam Azad, India's first Education Minister. It emphasizes quality education, scientific thinking, and equal learning opportunities for all.

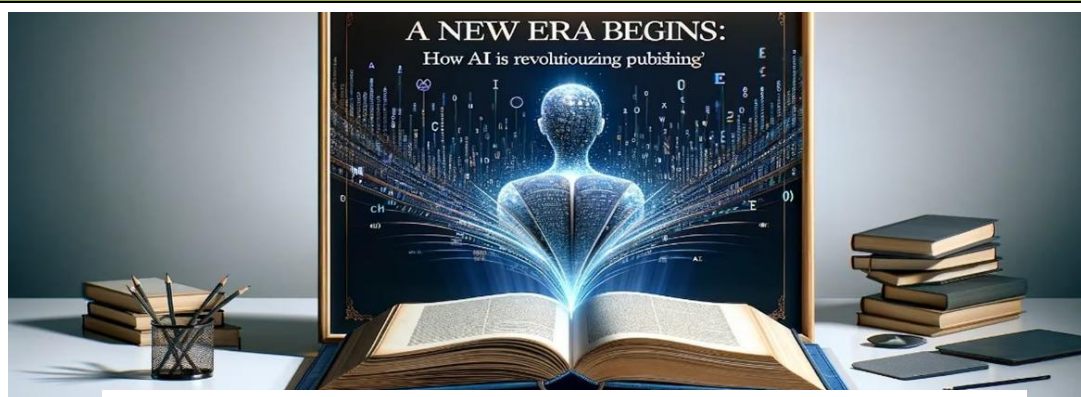
📅 18<sup>th</sup> November - Women in Entrepreneurship Day

A day to recognize and celebrate women innovators, leaders, and startup founders. It inspires more women to step into technology, entrepreneurship, and leadership roles.

📅 30<sup>th</sup> November – International Computer Security Day

This day reminds us to protect our devices, data, and digital identity from cyber threats. It encourages safe passwords, updated systems, and responsible online behavior.

# AI in Academic Communication - Crisis or Evolution?



Source: <https://cdn.spines.com/wp-content/uploads/2023/12/smaller-2.png>

## Introduction

Academic publishing has always been the backbone of how knowledge is shared—built on peer review, editorial checks, and strict standards. But with the arrival of artificial intelligence (AI), this world is changing fast. From writing assistance to peer review support, AI is stepping into roles that were once handled only by humans. The big question is: is AI disrupting the system, or simply helping it evolve?

## How AI Is Changing Publishing?

- **Writing Support:** AI tools now help researchers polish language, format references, and even draft parts of manuscripts.
- **Peer Review Assistance:** Reviewers use AI to summarize papers, highlight errors, and suggest improvements, making the process faster.
- **Editorial Screening:** Publishers rely on AI to detect plagiarism, spot paper mills, and check compliance with journal rules.
- **Data Handling:** AI helps researchers analyze large

datasets, create charts, and identify trends more efficiently.

## Benefits of AI in Publishing

- **Saves Time:** Routine tasks like proofreading and formatting are automated.
- **Improves Access:** Non-native English speakers can make their work clearer with AI language tools.
- **Handles Scale:** Journals can process more submissions with AI support.
- **Encourages Innovation:** Opens doors to new publishing formats, like interactive or AI-assisted journals.

## Challenges and Concerns

- **Authorship Questions:** If AI contributes to a paper, who gets the credit?
- **Bias Risks:** AI may carry hidden biases from its training data.
- **Trust Issues:** Readers must feel confident that AI-generated content meets scholarly standards.

## Conclusion

The future of academic publishing will likely be a partnership between humans and AI. Researchers will continue to provide creativity, critical thinking, and ethical judgment, while AI will handle repetitive tasks and offer analytical support. With clear guidelines and accountability, AI can strengthen—not weaken—the integrity of publishing. Rather than replacing human scholarship, AI is reshaping it, pushing academic publishing toward a smarter and future.

**Ms. Goldy Thadwani**

Asst. Prof.  
Department of  
Studies and Research  
SP College,  
Chandrapur  
Life Member AACST



If a member (Annual/Life) is interested in publishing an article, please follow the article instructions mentioned on page 3. Articles will be published based on the number of submissions received and their novelty.

## Ph.D. Awarded to Ms. Madhuri Dinesh Gabhane



Ms. Madhuri Dinesh Gabhane, a Life Member of AACST, has been conferred the Doctor of Philosophy (Ph.D.) degree in Computer Science under the Faculty of Science and Technology by Gondwana University, Gadchiroli. Her doctoral research, titled *“An Optimal Machine Learning-Based Classifier System in Big Data for Customer Retention Using Customer Review and Behaviour,”* proposes an advanced analytical framework that applies machine learning and big data techniques to enhance customer retention through the systematic analysis of customer behaviour and customer review data.

She pursued her doctoral research under the supervision of Dr. Aslam Y. Suriya, Assistant Professor, Janata Mahavidyalaya, Chandrapur. The research makes a significant contribution to the field of machine learning-based decision systems and big data analytics, offering practical and scalable solutions for organizations seeking to improve customer engagement and long-term retention strategies.

Ms. Gabhane completed both her Graduation and Post-Graduation in Computer Science from Sardar Patel College, Chandrapur. She is currently serving as the Head of the Department of Computer Science at Karmaveer Bhaurao Patil (KBP) College, Vashi, Navi Mumbai, where she is actively

involved in academic leadership, curriculum development, and faculty mentoring.

The official notification awarding the Ph.D. degree was issued by Gondwana University on 11 November 2025, marking a significant academic and professional milestone in her career.

She expressed her sincere gratitude to her Guide Dr. Aslam Y. Suriya, Father Shравanji Bankar, mother Chhya Bankar, husband Dr. Dinesh Gabhane who is working as Director in RGCMS College, Navi Mumbai, children, and family members for their unwavering support throughout her research journey. She also acknowledged the encouragement and motivation provided by Principal Dr. Shubhada Nayak of KBP College, Navi Mumbai.

She conveyed special appreciation to Dr. S. B. Kishor, Head, of Computer Science Research Center and Head of Department of Computer Science, Sardar Patel Mahavidyalaya, Chandrapur, for his guidance, mentorship, and motivation. She further extended her thanks to Dr. P. M. Katkar, Principal, Sardar Patel Mahavidyalaya, and Mr. Santosh Shinde, Ms. Ashwini Somnath, Ms. Neha Giradkar, Mr. Suraj Yadav, Mr. Mohan Volla, Mr. Pramod Borkar for their kind support.

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President, AACST



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