

Dr. Abha Sunil Khandelwal

Academic Profile

A distinguished academic leader, researcher, educator, and science communicator with **33+ years of excellence** in higher education. Former **Head, Department of Computer Science, Hislop College, Nagpur**, and **Founder of the Association of All Computer Science Teachers (AACST)**, a national platform dedicated to interdisciplinary education, research, innovation, and professional development.

Academic Qualifications

- Ph.D. in Computer Science
- Ph.D. in Business Management

Areas of Research & Expertise

Artificial Intelligence • Quantum Computing • Quantum Cryptography • Computational Physics • Cyber Security • Computational Thinking • Software Engineering • Human–Computer Interaction • Data Science • Emerging Computing Technologies

Research & Scholarly Contributions

- Published **40+ peer-reviewed research papers** in national and international journals and conference proceedings.
- Research supervisor for doctoral scholars and Principal Investigator of a **UGC-sponsored research project**.
- Active contributor to interdisciplinary research integrating Computer Science with Physics, Mathematics, Biology, and Management Sciences.

Academic Leadership & Professional Service

- **Founder, AACST**, promoting national-level collaboration among educators, researchers, and innovators.
- Served on the **Board of Studies in Computer Science, RTM Nagpur University** for over three decades, contributing to curriculum design, academic reforms, and quality enhancement.
- Held key academic leadership roles as **Chief Patron, Advisory Committee Member, Session Chair, Invited Reviewer, Convener, Resource Person, and Editorial Advisory Member** for numerous national and international

conferences, journals, workshops, faculty development programmes, and research initiatives.

Science Communication & Educational Innovation

- Creator of the educational platform **@drabhakhandelwal**, delivering lectures, tutorials, and science communication content on Artificial Intelligence, Quantum Technologies, Computational Physics, Cyber Security, and emerging computing disciplines.
- Passionate advocate of technology-enabled learning, interdisciplinary education, and scientific temper through accessible digital knowledge dissemination.

Professional Vision

Driven by the belief that the future of education lies at the intersection of disciplines, Dr. Khandelwal is committed to advancing research excellence, ethical innovation, academic leadership, and global collaboration while empowering educators and learners to embrace the next generation of scientific and technological advancements.

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