

# **Digital Transformation of Education in India: Advancements in Technology and Computer Science for Global Learning India**

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## **Abstract**

India is experiencing a significant digital transformation in education, driven by rapid advancements in technology and computer science. The adoption of digital learning platforms, artificial intelligence, cloud-based systems, and data-driven educational tools is reshaping teaching, learning, and assessment practices in higher education. This paper examines how these technological advancements are enabling global learning opportunities and improving access, quality, and flexibility in education. It also discusses the challenges of digital divide, infrastructure gaps, and skill development needs while highlighting India's potential to emerge as a leader in global digital education.

## **Keywords:**

**India, digital transformation, education, computer science, educational technology, artificial intelligence, e-learning, higher education, global learning, ICT integration**