

Expanding Access to Education with Technology: Pathways to Achieve Inclusive and Equitable Education under SDG 4

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Abstract: *This review paper briefly discusses the significance of Sustainable Development Goal (SDG) 4, which aims to ensure inclusive and equitable quality education and promote lifelong learning opportunities for everyone. It also examines how technology can change educational access and help achieve SDG 4. Technological advancements offer new means to get over long-standing obstacles to learning, as educational gaps continue to exist across social, economic, and geographic differences. It emphasizes the role of technology in ensuring educational equity, including how it can reach Socio-Economically Disadvantaged Groups (SEDGs) highlighted by NEP 2020 and bridge the digital divide. The study outlines significant possibilities for improving access, including online learning platforms, mobile education applications, and assistive technology for Children With Special Needs (CWSN), by examining case studies and current trends in the integration of digital tools in education. While technology presents many chances to achieve SDG 4, the paper contends that fair implementation necessitates tackling issues such as infrastructural constraints, the need for context-specific solutions, and gaps in digital literacy. The present paper highlights the existing barriers to education access (e.g., geographic, economic, disability, gender) and how these prevent the achievement of inclusive education. The need and importance of technology has been emphasized in achieving inclusive education under SDG 4 and suggestions have been given to eliminate the loopholes in the path of achieving inclusive and equitable education.*

Keywords: Technology, Inclusive and Equitable Education, (SDG 4) Sustainable Development Goal 4, CWSN (Children With Special Needs), Socio-Economically Disadvantaged Groups (SEDGs).

OBJECTIVES OF THE STUDY

- To briefly understand about SDGs specifically emphasizing on goal 4
- To understand the importance of technology in the light of NEP 2020
- To study the role of technology in uplifting SDG 4
- To explore various challenges and barriers in the pathway of technology
- To determine different ways of eliminate the challenges in the pathway
- The study seeks to provide a comprehension view of SDGs specifically emphasizing on the role of technology in elevating SDG 4

