

## INTEGRATING ICT-BASED EDUCATION SYSTEMS IN EARLY CHILDHOOD LEARNING IN RURAL INDIA

ANIRBAN BERA<sup>1</sup> AND SOUVIK BERA<sup>1\*</sup>

---

*Information and Communication Technologies (ICT) integration in the early childhood education is regarded as one of the most revolutionary methods of educating the rural areas of India on the basics. Despite some growth in digital infrastructure, rural schools and anganwadi centres are still characterized by the lack of a trained teacher, age-relevant learning materials, and a traditional approach of teaching. When used effectively, ICT will advance early literacy and numeracy, improve the level of engagement with learners, as well as help teachers with interactive and language-appropriate material. The review is a synthesis of ongoing policy and empirical research, where ICT has been indicated to be the most efficient when combined with play-based pedagogy, community involvement, ongoing teacher learning as well as long-term financial investment and policies that facilitate safe and inclusive digital ecosystems.*

---