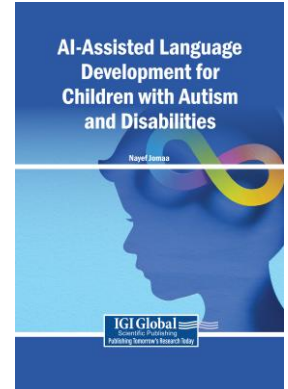


# AI-Assisted Language Development for Children with Autism and Disabilities:

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## Description:

In recent years, artificial intelligence (AI) has emerged as a powerful tool in transforming education and therapeutic support for children with special needs. Among its most promising applications is the enhancement of language development for children with autism and other developmental disabilities, offering new ways to support communication and individualized learning. As AI technologies continue to evolve, they are creating opportunities for more accessible interventions that can be tailored to the unique needs of each child. From speech and language support systems to interactive learning platforms, AI-driven tools are reshaping how developmental challenges are understood and addressed across educational and therapeutic settings. However, there remains a pressing need for academic research that not only explores this transformative shift but also provides practical and evidence-based guidance for professionals and families supporting children with developmental disabilities.

**AI-Assisted Language Development for Children with Autism and Disabilities** explores how intelligent technologies can support communication, social interaction, and cognitive growth. Bridging insights from AI, special education, developmental psychology, and speech-language therapy, this book integrates current research findings with classroom and therapy-based practices to guide educators, therapists, and parents in applying AI effectively. Covering topics such as speech recognition, virtual reality, and neurobiological mechanisms of speech and language dysfunction, this book is an excellent academic resource for graduate and doctoral students, speech-language pathologists, special education teachers, learning support specialists, clinical psychologists, developmental pediatricians, educational technology designers, caregivers, family support networks, policymakers, and more.

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**Hardcover:** \$200 **Softcover:** \$160 **E-Book:** \$190 **Hardcover + E-Book:** \$200

## Topics Covered:

- Adaptive Language Systems
- Artificial Intelligence (AI)
- Augmented Reality (AR)
- Children with Autism
- Children with Disabilities
- Ethical Special Education
- Language Development
- Language Impairments Spectrum
- Natural Language Processing (NLP)
- Neurobiological Mechanisms of Speech and Language Dysfunction
- Social-Communication Learning
- Speech Recognition
- Text-to-Speech
- Virtual Reality (VR)

**Subject:** Education

**Readership Level:** Advanced-Academic Level (Research Recommended)

**Classification:** Edited Research

**Research Suitable For:** Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

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