


Chapter 3

An Approach to the Integration of Artificial Intelligence in Inclusive Education for Latin America

Alejandro Fuentes-Penna


 <https://orcid.org/0000-0002-4303-3852>

El Colegio de Morelos, Mexico

Raúl Gómez Cárdenas

El Colegio de Morelos, Mexico

Jorge A. Ruiz Vanoye

 <https://orcid.org/0000-0003-4928-5716>

Universidad Politécnica de Pachuca, Mexico

ABSTRACT

Inclusive education is a process aimed at recognizing the learning needs of students and the need to present solutions that allow them to learn meaningfully, reducing the gaps in access to education. On the other hand, Artificial Intelligence has advanced in its incorporation into various areas of knowledge, education being an area that requires the use of all kinds of tools, techniques, and resources available to ensure access to children and young people worldwide. This chapter provides a review of the context of education and the need to incorporate AI-based tools to ensure inclusive education. The trend towards the use of emerging technologies in education has made it possible to propose significant findings aimed at transforming

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teaching practices and facilitating access to knowledge by students in individual learning processes. With this, tools are proposed to facilitate the teaching-learning process in an inclusive context.

INTRODUCTION

Inclusive education, aimed at covering special educational needs (SEN) or disabilities, seeks to eliminate barriers to access to education, improve results, and reduce discrimination due to the lack of specialized resources to meet these needs.

This paper addresses arguments in favor of inclusive education and the incursion of Artificial Intelligence (AI) to favor the teaching-learning process that guarantees access to education for all people, identifying within the major Sustainable Development Goals (SDGs), the following priorities:

- Quality Education,
- Gender Equality,
- Reduction of Inequalities, and
- Partnerships to achieve the objectives.

If in itself the goal of educational inclusion is difficult to achieve, the pandemic that occurred due to COVID19 brought serious consequences in education, directly affecting the school cycles 2019-2020, 2020-21 and 2022-2023, especially due to the lack of preparation that humanity showed to satisfactorily face the difficult situation in all areas, especially education.

However, we may still have future consequences due to the gap we had during this period, since the sequelae brought by this disease are so varied, such as:

- Muscle weakness,
- Sight problems,
- Problems in reasoning and discernment,
- Symptoms of post-traumatic stress disorder,
- Hearing about problems,
- Among others.

These after-effects have led us to rethink what we should do in education, since we must consider these effects as part of the special needs of the students themselves. However, having faced such a pandemic in modern life will allow us to react better if the situation arises again, especially with better preparation of the educational system, its teachers, students, and with a more robust and inclusive digital infrastructure.

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