

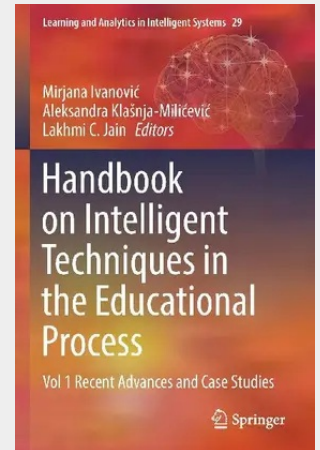
Handbook on Intelligent Techniques in the Educational Process

Vol 1 Recent Advances and Case Studies

Education has a substantial impact and influences on almost all sectors in modern society. Different computer-supported educational systems have been developing for many decades to support and make easier teaching and learning processes on all levels of education. Influences of rapid development of Information Communication Technologies and other related disciplines on design and implementation of intelligent, sophisticated educational systems are evident. Nowadays intensive development and wide applications of Artificial Intelligent techniques significantly affect the development of intelligent tutoring systems, smart learning environments that incorporate virtual and augmented reality and robots.

Artificial Intelligence has the potential to address some of the biggest challenges in education today, but also in the future in order to establish innovative teaching and learning practices facilitated by powerful educational datamining and learning analytics. This book presents a collection of 17 chapters that bring interesting aspects of the state-of-the-art of application of intelligent techniques in different educational processes and settings. We believe that the works presented in the book will be of great interest to readers and that will motivate them to try to enhance presented approaches and propose better and more advanced solutions.

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