

## The Analysis of How Artificial Intelligence Has an Effect on Teachers and The Education System

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### Abstract

Artificial intelligence has established a presence in every aspect of human activity, further demonstrating its preeminence over humans with each passing day. Artificial Intelligence (AI) has demonstrated its prowess in a variety of industries, including but not limited to healthcare, robotics, eCommerce, finance, navigation, education (E), and many more. This study will investigate the effects that artificial intelligence has had on the educational system, with a particular emphasis on how AI has changed the responsibilities that instructors play in the classroom. This study will also focus on examining whether or not the presence of AI in the educational system will take over the responsibilities that are traditionally filled by teachers. The incorporation of artificial intelligence into educational and instructional systems has resulted in significant improvements in terms of efficiency, precision, and variety of pedagogical approaches. It has also been demonstrated in a large number of studies that the most important factor in the achievement of AI domination in educational institutions is the role played by educators.

**Keywords:** Artificial intelligence (AI), Education (E), Teacher, Student, Learning Management System (LMS), Intelligent tutoring system (ITS), virtual reality, augmented reality (VR&AR), modern learning, Personalized learning

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### 1. Introduction

Education determines the quality of individual life. It improves one's knowledge skills and develops personality and attitude. Every man's education begins at home, and they gradually begin to acquire knowledge from schools. As a result, instructors are told to be the mothers in their classrooms. This demonstrates how important instructors may be in the educational system. Previously, when students were educated in temples, tools, and gurukuls, the sole source of information for the students was from

the teachers. However, as time has passed, so has the educational system.

Technology has significantly impacted the educational system, transforming students' information sources to the internet, virtual learning, and numerous websites for enhanced understanding. Technology usage in the educational system has been the preferred way of learning for many generations. This led to the introduction of Artificial Intelligence into the system of education. The use of AI can give us apprehension about how learning happens, and it can change the way it is assessed. When computers can automate reasoning based on associations in data, two most important fundamentals take place;



















