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THE EDUCATION INDUSTRY COULD SIGNIFICANTLY BENEFIT FROM THE DISRUPTIVE BREAKTHROUGH THAT IS ARTIFICIAL INTELLIGENCE (AI)

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The phrase “artificial intelligence” refers to a group of algorithms that are programmed so that computers may execute jobs that were previously carried out by humans. One example of this would be the progression of learning from the stage of planning to the level of data analysis. Artificial intelligence has spawned several subfields, one of which is machine learning, in which computers may learn on their own and carry out tasks.

The term "disruptive technology" refers to any breakthrough or technology that significantly disrupts the way in which a market or industry operates, typically to the point that it causes traditional enterprises to become obsolete. This technology has the potential to have a significant impact on the socioeconomic state of society.

Professor and business consultant at Harvard Business School Clayton M. Christensen first used the term "disruptive technology" or "disruptive innovation" in the context of the United States automobile industry in the Harvard Business Review Magazine in 1995. Christensen contends that a disruptive innovation is a piece of technology that significantly transforms the way in which consumers, businesses, and industries operate because of its implementation. This process demands a period of tranquilly and adaptation, like what the global community went through during the Fourth Industrial Revolution, which began with the

rapid growth of technology and the introduction of digital technology in place of analogue technology.



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Because technical advancements in the field of computing express clearly disruptive features, the advent of the personal computer is the best example of a disruptive technology. This is because the personal computer was the first mass-produced computer. The introduction of computers has had a huge impact on how we learn, how we earn a living, and how we choose to spend our leisure time. Typewriters started to be phased out because of the rising demand for computers in primary, secondary, and higher education institutions, as well as in households; this resulted in substantial changes across the sector.

The introduction of brand-new technologies like artificial intelligence, which are now within the reach of both students and educators, will surely cause a shift in the way that education is delivered in traditional classroom settings at national educational institutions. In the month of November 2022, ChatGPT, often known as Generic Chat, A language application powered by artificial intelligence called Pre-trained Transformer, was recently made available to customers. This programme enables users to engage with chatbots as if they were real people. OpenAI, an American artificial intelligence business and research laboratory based in San Francisco, is credited with the creation of the idea. The application can provide answers to questions and help with activities such as composing essays and building computer programmes. It is now in the research and feedback-gathering phase, which means that you can access it for free while it is in this phase.

Despite this, ChatGPT's effect as well as its deterioration have only recently become apparent, less than a year after the programme's inception. Experienced writers who use this application are thrilled to receive rapid feedback from artificial intelligence, which transforms it into a high-speed conversation machine. This input may be viewed in real time. It is acknowledged that the user is responsible for developing the initial notion; after that, the AI will generate concepts swiftly; however, the user must take caution while dealing with resources that have been highlighted. There is information that is true and accurate, but there is also information that is erroneous, and this incorrect information needs to be fixed as soon as possible so that the source of the outcomes of reading, writing, and research is true and accurate.

Every astute user should practise *tabayyun* or investigate the reliability of the information they are about to adopt from a source. It is vital to carry out a variety of evaluations utilising several legitimate and authoritative sources to achieve a high degree of knowledge, honesty, trustworthiness, and discipline as consumers, students, and researchers. This is the only way to achieve this goal. This artificial intelligence made possible by ChatGPT has sparked a wave of creative applications in a variety of fields. The extent to which a heated debate has broken out over concerns regarding ethics, privacy, copyright, data security, and the veracity of the information provided by academics working in a variety of fields.

One of the major worries is that the use of ChatGPT in educational institutions like schools and universities would result in a shift in the educational status quo. Some teachers use ChatGPT to come up with new concepts for lessons and activities to do in class, while others use it to incorporate their students' written work into the process of coming up with new ideas and suggestions.

The ChatGPT technology is one of the technologies that was developed to facilitate the teaching and learning process in the education sector. It does this by offering the opportunity and space for all users to be knowledgeable and comprehend something that is less than one year old. In conclusion, the author is of the opinion that all users who have pure and constructive hopes and goals for the democratisation of information sources and the development of a civilised society should welcome this disruptive technology with open arms.

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