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Study of Literature and Language: Opportunities and Challenges in the AI Era

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STUDY OF LITERATURE AND LANGUAGE: OPPORTUNITIES AND CHALLENGES IN THE AI ERA

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AI: A Boost to the Study of Literature

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Abstract:

Artificial Intelligence (AI) is very important and valuable invention in the field of computer science. Popularly known as AI, this technology has marked significant change in every field of our life._The emergence of artificial intelligence (AI) in the English language and literature signifies a significant shift in how we produce, evaluate, and engage with literary works. Artificial Intelligence has completely changed the literary landscape by introducing sophisticated machine learning algorithms and natural language processing techniques. These algorithms have not only changed the creation of new works but also their interpretation and appreciation. This article focuses on AI as a supportive technology to the study of literary texts.

Keywords: Artificial Intelligence…… Language and Literature….. Trends…..Techniques, Computers……Algorithms…..Machine learning.

What is an Artificial Intelligence?

Artificial intelligence, popularly known as AI, is a set of technologies that enable computers to perform a variety of advanced functions, including the ability to see, understand, translate text, analyse data and perform such tasks. AI is the backbone of invention in the field of modern computing and it provides valuable ways for individuals and businesses. For example, Optical Character Recognition (OCR) uses AI to extract text and data from images and documents, turns unstructured content into business-ready structured data, and unlocks valuable insights.

AI can be regarded as the simulation of human intelligence processes by machines, especially computer systems. AI is a well-established technology that can be referred as Machine learning. AI requires specialized hardware and software for writing and training machine learning algorithms. Artificial intelligence is a field of science concerned with building computers and machines that can reason, learn, and act like human intelligence and use data that exceeds human beings. AI is a broad field that encompasses many different disciplines, including computer science, data analytics and statistics, hardware and software engineering, language, literature and linguistics, neuroscience, and even philosophy and psychology. On an operational level for business use, AI is a set of technologies that are based primarily on machine learning and deep learning, used for data analysis, predictions and forecasting, object categorization, natural language processing, recommendations, intelligent data retrieval, and so on. (1) Artificial General Intelligence (AGI) would be the ability for a machine to "sense, think, and act" just like a human. AGI does not currently exist. The next level would be

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AI: A Boost to the Study of Literature

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Abstract:

Artificial Intelligence (AI) is very important and valuable invention in the field of computer science. Popularly known as AI, this technology has marked significant change in every field of our life. The emergence of artificial intelligence (AI) in the English