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A Study On Different Approaches On Artificial Intelligence With A Literature Survey

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Abstract

The process through which people generate ideas and solve problems is at the core of every innovation strategy. Innovation approaches have up to now relied on human decision-making or planning, which is what academics and practitioners refer to as this aspect of innovation. Statistics and algorithms are at the heart of innovation initiatives thanks to artificial intelligence (AI). AI is just another example of a virtual technology that doesn't really challenge what we already know about design, like so many others. A cutting-edge theoretical framework might not be able to capture the design changes it introduces. This is a conceptual framework for comprehending design and innovation in the AI era. The change in consciousness necessitates new ideas and modernizes leadership, which is by its very nature a sense-making activity. It leads to revised guidelines on the development of design and innovation in organizations. This paper aims to say about AI in different views from a various reviews of literature.

Keywords: Innovation Strategy, Algorithms, Virtual Technology, Applications, Communication Technologies.

Artificial intelligence in medicine: where are we now?

The development of artificial intelligence in pharmaceuticals has accelerated recently. Unfortunately, a lot of this progress appears disjointed and lacks a clear pattern to the observer. This paper gives a review of artificial intelligence in medicine with a focus on its applications in modern imaging, pathology, ophthalmology and dermatology. It speaks more than a few decided papers that illustrate the potential uses of artificial intelligence in a technologically superior future.

Innovation and design in the age of artificial intelligence

Researchers discussed how these consequences affect design and innovation ideas. In particular, we look at how human design increasingly becomes interested in sense-making that is knowledge about how problems should be updated or addressed, as creative problem-solving increasingly performed by algorithms and it drawn from and illustrated using cases at the cutting edge of AI: Netflix and Airbnb. Study concluded with, AI no longer challenges the fundamental principles of design; it significantly modifies the use of the layout. Traditionally performed by designers, problem-solving tasks are now automated into learning loops

that operate without quantity or step restrictions. The algorithms built into such loops make assumptions that are clearly different from those of a dressmaker who approaches difficult problems from a systemic perspective. Instead, algorithms manage complexity through extremely straightforward tasks that are frequently repeated. It explores how these realizations affect design and innovation control, researchers and practitioners.

Artificial intelligence (AI) applications for covid-19 pandemic

To anticipate emerging diseases, healthcare delivery needs the backing of modern technology such as artificial intelligence (AI), Internet of Things (IoT), big data and machine learning. Want to examine how AI may be a crucial tool for research, for preparing for pandemics like COVID-19 for prevention and for war. Using the keywords COVID-19 and AI, a quick evaluation of the research is conducted on the databases of Pubmed, Scopus, and Google Scholar. Gathered the most recent data on AI for COVID-19, examined it and determined how it might be used to treat the illness. For the COVID-19 pandemic, researchers have identified seven important applications of AI. By gathering and analyzing all prior data, this technology is crucial in identifying a group of cases and predicting the future spread of the virus. Decision-making technology is urgently needed for healthcare organizations to manage this virus and assist them in receiving appropriate recommendations in real-time to stop its spread. Artificial intelligence (AI) effectively imitates human intelligence. Additionally, it might be extremely important for comprehending and recommending the creation of a COVID-19 vaccine. The focus on outcomes system is used for effective screening, analysis, forecasting and tracking of existing patients and anticipated future patients. Applications of significance are used to track data of verified.

Artificial intelligence vs. covid‑19: limitations, constraints and pitfalls

Using COVID-19, this study provides a preliminary evaluation of artificial intelligence (AI). Researcher examines the key domains where AI can help in the fight against COVID-19. As of yet, COVID-19 has been shown to be unaffected by AI, it's hard to use because of a lack of data or a plenty of data. In order to overcome these limitations, rigorous human-AI interaction and careful balancing of information privacy and public health would be necessary. It is doubtful that these issues will be resolved shortly enough, to be very helpful during the current pandemic. To preserve life, train AI and minimize financial losses in the interim, significant diagnostic data collection on those who are infectious will be required.

Artificial intelligence and sustainable development

In the areas of business, corporate operations and public policy, AI is quickly opening up a new boundary. They are also having an impact on more general characteristics of global sustainability. The AI revolution is transforming our world and it has the potential to either attendant in a better future where humans and machines live in peace or foretell a future characterized by war, extreme poverty and human suffering. The question is whether AI will help us develop the Sustainable Development Goals or SDGs, of the United Nations (UN) faster or if it will lead us down a similar path towards increased financial instability, environmental drop and social disturbance. These issues are intended to be answered by this text, which will examine the effects of artificial intelligence through three case studies. It draws some preliminary conclusions

for management education and the operations of top companies during a rapid technological and social transformation. With a focus on the SDGs' progress, this analysis blends the perspectives of business planning and public policy to look at how AI may affect sustainable development. Additionally, it draws some guidance on managerial research and management advancement for global sustainability.

The role of artificial intelligence in achieving the sustainable development goals

An evaluation of the impact of artificial intelligence (AI) on attaining objectives of sustainable development is important given the generation's emergence and the gradually increasing effect on numerous sectors. It discovers that AI can allow the success of 134 dreams across all goals with the use of a consensus-primarily based professional elicitation technique; however it may additionally hinder the achievement of forty nine dreams. However, current research priorities disregard vital additives. Which will ensure sustainable improvement, the quick-term development of AI desires to be sponsored by using vital regulatory tracking and perception for AI-primarily based universal technologies. Failure to accomplish that must result in a loss of duty, safety and ethical requirements.

Information and communication technologies, artificial intelligence and the fight against money laundering in Africa

By implementing artificial intelligence systems and increasing security expenditure, the threat of cash laundering brought on by the use of information and communication technologies (ICT) in the banking sector will be managed. The status quo of a routinely updated framework for controlling ICT is essential for effectively combating money laundering. The fight against currency laundering is hampered by unemployment and poverty. Balance of power and the fight against corruption surely help to advance anti-money laundering policies.

Trustworthy artificial intelligence

While artificial intelligence (AI) presents numerous prospects to improve human well-being and the development of economies and communities, it also expands the scope of new ethical, criminal, social and technological issues. It is based on the notion that acceptance as true lays the groundwork for societies, economies and sustainable development. As a result, individuals, businesses and societies will simplest never be able to comprehend the full potential of AI if acceptance as true with may be established in its development, deployment and use. With this study, here hope to present the idea of TAI and its five guiding principles: beneficence, non-maleficence, autonomy, justice and explain ability. Here these five ideas are used to create a framework for data-driven studies for TAI and show how it may be used by outlining promising research directions, particularly for the distributed ledger technology-based overall understanding of TA.

A futuristic view for the effects of artificial intelligence on accounting

A technique that makes machines intelligent is referred to as artificial intelligence (AI). It's a machine made by humans to make machines function intelligently. Artificial intelligence aims to execute complicated human tasks and demonstrate how computer technologies may functions strategically just like people. As it improves and changes how real-world international sports are played within the field, artificial intelligence is quickly changing the reality of accounting. Accounting has seen significant change over the years, first replacing paper and pencil drawings with computer systems, but more crucially, cutting down on time spent

on tedious chores and reducing the number of errors. It has been replaced with a manually-written Programme. AI offers accountants various opportunities to improve their productivity, offer more insight, and deliver more fee-updated companies in the near to medium term. In the long run, as systems increasingly replace human decision-making processes, AI enhances the potential for even more transformative commerce. This paper focuses on understanding how artificial intelligence (AI) solutions affect accounting as well as the opportunities and problems that AI presents for the accounting field. (9)

Artificial intelligence and Cyber security implications for business management

The constantly changing character of the attacks and defenses in cyber security, the industry is expanding quickly. Businesses must develop fresh strategies to combat cyber security concerns. Artificial intelligence (AI) seems to have the power to bring about disruptive change both good and bad aspects. Agencies must examine how daily users of generation might use it in order to better control cyber security inside groupings. Cyber security organizations can make speedier judgments and keep up with attackers' advances by utilizing artificial intelligence. Businesses may use artificial intelligence in business control to assist them make better business choices about its products and services. The most recent research on cyber security and AI is being used to increase the emphasis on cyber security among businesses. The uses of cyber security journals, websites, organization records and naval information websites are discussed in this study along with the consequences of cyber security and artificial intelligence on corporate governance. The writers love receiving cyber safety instruction, and it also employs journals of artificial intelligence. It emphasizes the necessity for organizations to be mindful of the possible effects on their control and operations of artificial intelligence (AI) and cyber protection. As the complexity of A.I. technology constantly increasing, fraudsters find new ways to exploit weaknesses in networks and structures. Hence, businesses should be aware of the risks posed by artificial intelligence and cyber security and take precautions to reduce them.

Recent used and future application of artificial intelligent (AI)

AI is now the most exciting and rapidly increasing field in generating and computing technological know-how. AI has achieved outstanding fulfilling performance in a relatively short period of time. Ai technology is specifically the technology of transferring human intelligence to robots. In this article, we discussed new software and the future reach of artificial intelligence. In the near future, AI robots will extend and replace human skills in a variety of fields. The intelligence of sophisticated machines or software programmers is referred to as AI. As a result, artificial intelligence is a subset of computer technical know-how. AI could have become an extremely wild subject in computer science over recent years, since it has enhanced human life within specific sectors. As in final 2 decades and it has advanced significantly. This essay discusses the use of AI in extraordinary domains today and in the future. Present the cutting-edge advancements of Artificial intelligence with in reality in addition to its applications to education, medicine, agriculture, art performance, and climate change. It brings up the future potential of artificial intelligence. The potential for AI is excellent both globally and in India in particular. It has the power to significantly alter several facets of national and international financial systems for the betterment of society. Underneath artificial intelligence, there are several helpful technologies as well as this period. Around the universe, AI is

carrying in a transformation in technology and era, and no sector or unique area will remain unscathed by this potent instrument known as artificial intelligence.

Artificial Intelligence and Cyber Defense System for banking industry: a qualitative study of AI applications and challenges

The severity of cyber-attacks is rising inside the banking sector. The banking industry is attempting to integrate artificial intelligence to develop a cyber-defense system to prevent unauthorized access and cyber-attacks. Banks in Qatar are aware of the dangers of cybercrime and the importance of cyber security for long-term development. The banking sector is currently going through significant technological change. Understanding how technologies like artificial intelligence (AI) affect banks' online security is crucial. The current paper aims to determine how AI affects the cyber safety of Qatari banks. Interviews with nine specialists from Qatar's banking industry were analyzed thematically. The use of the 12 devices was subjected to a qualitative thematic evaluation. AI is a key tool for enhancing the cyber safety of Qatari banks, Banks face challenging circumstances when using AI to enhance cyber security, Artificial intelligence can be used destructively, which puts the cyber security of Qatari banks at risk and AI-based equipment in use has weaknesses that can be exploited. As per usual, due to changes in legal frameworks and the increasing accessibility of AI-powered malware, Qatar banks might be expected to face additional issues in the future.

Artificial Intelligence and its application in business management

Through a data analysis, the study aims to conduct a thorough review of artificial intelligence software for business management. The goals are attained by utilizing the VOS viewer software, developed at Leiden College's Centre for Technological Know-how and Generation Research (CWTS), Leiden University, the Netherlands. By creating, displaying, and exploring bibliometric networks, this Programme enables literature appraisal. Three search queries are used to gather current data from the Scopus database, which limits the scope of the search to those documents. In particular, in corporate management, the study outlines the key subject matter areas associated to the software of synthetic intelligence software. Despite the fact that there are many resources devoted to artificial intelligence, there aren't as many that discuss how AI technology should be categorized and used in beneficial contexts. In the study, artificial intelligence use in corporate management is taken into account. Also, the study identifies researchable places and areas that need further investigation.

Artificial Intelligence and Machine Learning – The future of computing domain with high real world prospective

Emerging technologies like artificial intelligence (AI), the internet of things (IoT), device learning, data analytics, the block chain era and robotics have sparked the fourth (4th) business revolution. This revolution is changing how we live every single moment and encompasses an array of creative approaches. This article looks at artificial intelligence (AI) as it has been improved recently, providing fresh, creative solutions. AI and ML will determine the future of the computing sector and have the possibility of impacting practically all element of modern life, from industry up to soft blue, healthcare systems, and agriculture. Artificial intelligence, ML, DL, as well as other technologies has been included in the chapter. We also safeguarded crucial AI and ML use sectors. The bankruptcy is limited to its first best.

Digitalization and Artificial knowledge for accountability in SCM: A systematic literature review

The paper examines artificial intelligence as a crucial mechanism for access to data in the cycle of supply chain management marketing strategies that are durable and long-lasting (SCM). The observation aims to give a thorough analysis of synthetic knowledge and digitalization as major facilitators of improving SCM accountability and sustainability development in the direction of the UN 2030 agenda. The authors examined 135 English-language books that were released between 1990 and 1992 using Scopus and Google Student. They then updated the graph of the pattern of knowledge production and dissemination in the literature to include information from publications published between 1992 and 2022. Before doing a literature review and a peer reviewed literature review up to date, the records were gathered, evaluated, and peer-reviewed to support the goal for future investigations. The findings show how artificial intelligence (AI) and digitalization are related to the agenda. The analysis also pinpoints the major challenges to developing solid and long-term SCM business models. Based on the findings, the authors create a theoretical foundation for synthesizing knowledge and digitization in SCM to increase accountability and sustainable performance, especially during unforeseen crises when business resilience is crucial.

Artificial Intelligence and Economic Growth

This investigation's primary goal was to assess how prepared various governments were to implement AI in their economies. The data from 20 countries were examined in a study to determine how ready each government was to deploy artificial intelligence. On the effect of the government's willingness to use artificial intelligence on the United States' economic growth, a comment might be made. Through this investigation, an effort is made to determine what other factors, in addition to artificial intelligence, can affect a country's financial growth. The implications of this observation suggest that artificial intelligence cannot influence an isolationist nation's economic boom. An informed and healthy population must coexist with artificial intelligence. Therefore, the government must spend in the fields of health and education. A large population alone cannot guarantee a country's growth; instead, hard work, skilled workers and a reduction in unemployment can help one achieve this goal.

Conclusion

This paper purposes to discourse about AI with covid-19 and its applications, AI in medicine Innovation and design implementing with the role, limitations, constraints and pitfalls for an Information and communication technologies, sustainable development, Trustworthy, futuristic view for the effects of AI, qualitative study with challenges, ML & AI-the future of computing domain with high real world prospective and economic growth. The study found that illustrate the potential uses of artificial intelligence in a technologically superior future, AI explores how these realizations affect design and innovation control, researchers and practitioners, focus on outcomes system, guidance on managerial research and management advancement for global sustainability, accomplish that result in a loss of duty, safety and ethical requirements, systems and increasing security expenditure, AI affect accounting as well as the opportunities and problems that AI presents for the accounting field, aware of the risks posed by artificial intelligence and cyber security and take precautions to reduce risk

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