IMPACT OF ARTIFICIAL INTELLIGENCE ON FUTURE WORK

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Abstract

After the AI applications introduce like robotics, automation or intelligent assistance they have or they are becoming the drivers of a wide range of change process in the companies or in industries, which may not only affect the algorithm but it may also affect the people and organization. AI has made the job a lot easy and it will also reduce or help more in future. It will also secure the demanding jobs and it will keep improving in work life balance and it will increase the efficiency. AI is growing at the rapid transformation it will also affect at the wide range of industries and job market, how we live and work. This research paper will focus more on the impact of AI in future work and explore its potential. This study will help to examine the stage of AI adoption in various industries and the various sectors.

Keywords: Artificial Intelligence, Future of Work, Learning Organization, Healthcare Sector, Banking Sector.

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Introduction

Artificial Intelligence (AI) it is a force which is transforming into the poised to redefine the world and its work. It is integrated over the industries which is accelerating, offering unprecedented opportunities and also present the challenges. AI can do automation routine and repeat task which allow the business to do streamline operation and increase the efficiency. Just example the process like data entry, basic customer services and logistics management which has become automatic, freeing humans to more creative and innovative ideas.

However, it also raises the problem like job displacement and less opportunities for jobs in market which will make it difficult to get the specific job. There are also some roles in sector like manufacturing, transport, and other sector. This sector is particularly vulnerable to the automation like self-driving vehicle (tesla), robotic process automation. Yet there are some jobs which are being replaced, AI also creating the demand for the new roles or for new sector. like data science, machine learning and AI ethics emerging, it also highlight's the need to acquire new skills

Objective

1. Analyse the impact of AI in future work
2. Effect in various sector such as healthcare, banking, & transportation
3. AI helps to solve the problem in future work

Review of Literature

AI and data have the potential to contribute around $450-500 billion to India's GDP by 2025. Approximately 45% of this value is expected to come from three key sectors: consumer goods and retail, agriculture, and banking and finance. In agriculture, AI can play a crucial role in enhancing farmers' income by improving production planning and yield. Similarly, the BFSI sector can leverage AI for financial risk modelling and credit underwriting, while the consumer goods and retail sector can benefit from personalized campaigns and targeted marketing.

Future of AI in the Workplace

Companies must prioritize upskilling and reskilling to ensure workers have the abilities and knowledge to prosper in an AI-driven environment. Politicians also need to consider how AI can affect jobs and try to develop laws that guarantee the advantages of AI are distributed fairly.

To guarantee that AI is applied to benefit society, cooperation, and communication between business, academia, and government will ultimately be necessary to integrate AI effectively into the workplace.

By remaining aware and proactive, we can negotiate the changes brought about by AI and create an efficient future of work.

AI Uses in Organization

1. Automation

After AI is introduce in workplace. Workplace is often referring to systems that automate some kind of processes which is related to topic.

Simply said that if the task is similar or repetitive that the AI can easily duplicate or replicate the topic but modifying the topic little bit.

Examples: - automated responders, automated customer service, smart assistants

2. Data

Because of the AI now the companies can gather the data at the large amount or infinity

Because of AI companies are transforming all the steps in the AI process. Including: data collection, data processing and data analysis

Current data software is Tally ERP 9, busy, Joho forms etc

3. Communication, collaboration and culture

After the introduction AI in apps and technologies it helps to support the social work

AI have also improved the voice text and autocorrect in the most basic application with having more option like natural language process, smart the meeting tools, and having collable with the other platforms

Which will help to facilitate the communication and collaboration within AN organization like video call, voice message, text messaging

The Impact of AI on Work: A Sectoral Approach

1. The three sectors are mostly impact on AI generally considered to be ones that are highly exposed to AI transformation has attract the autonomous vehicles, which has been published in googles

2. Artificial Intelligence work in healthcare sector. It impacts on such sector. It was major transformation in the workplace medico-technical robotics already important in biology, pharology and surgery

3. AI is impact on banking sector. Banking sector has been pioneer in the adoption of IT tools on manage customer databases and to set up networks for online banking in other areas. AI solution employed in the banking sector cover a wide variety of functional and technologies

Evolution in Banking Sector

The evolution of the banking sector through the adoption of artificial intelligence has been transformative It will help in customer service automation. They provides 24/7 support, handles all routine work, inquiries of the customer and resolve issues.

Banking sector provides the personalized banking services to satisfy the customer need AI also helps to detection of fraud and prevention of fraud. Machine learning models continuously improve and update to predict and prevent various type of fraud and offering security

1. Resilience: Thriving Amidst Challenges

Where everything is getting complex and moving very fast at work environment, resilience is more important than ever. Resilience refers to recover from setback, stress managing, and also maintain the positive outlook at face of adversity. Were the workplace become demanding, with the constant pressure to innovate and to perform, resilience is the key to maintain the mental and emotional wellbeing.

American Psychological association had research which tells about the resilience is not the innate trait but also a skill which develop through practice and self-awareness. Strategies make the mindfulness and regular physical activity, build the strong support network which can enhance the resilience. Companies also pay a role by fostering a supportive work culture which encourage the open communication and provide the resources for employee's wellbeing.

2. Digital Literacy: Navigating the Digital Workplace

As the transformation of digital get accelerates, the digital literacy became fundamental skill improve for the future workplace. Where digital literacy is getting beyond the skills of computer; it also encompasses the ability to use the Digi tools effectively, where the understanding of data analytics and leverage technology to solve the problem and drive innovation.

There was a study in European commission which emphasizes that the literacy of digital is essential for the workers, regardless of their industries or their role in job has the organisation is increasing there rely on digital platform for communication, callable and decision-making, employees should be proficient while using these tools. It not only includes the mastering the specific software but also it needs the understanding of cybersecurity principles and its privacy rules and regulation

Research Methodology

This research paper is primary based on secondary information which has collected through various book, journals, websites5, new paper, magazines and company manual etc. The research has analysed the collected information & made recommendation based on the secondary information sample area : - The research has collected various data based on the sample of the particular area & information generally

Conclusion

AI impact on the future work life which is profound with both opportunities and challenges. Where AI is transforming the various industries by automating the routine task, improving the productivity, and fostering the innovation it not only provides that it also provides the new roles in jobs and new sector and also development of particular tech with the AI maintenance, and data-drive. However, it also has some risk like getting job displacement in repetitive and manual-task, making the widening skill gaps and ethical concern to surveillance and making biases decision. To ensure a balanced transition, proactive measures like reskilling, promoting human-AI collaboration, and crafting ethical AI policies are crucial. The future of work will likely emphasize adaptability, creativity, and human-centered skills that complement AI capabilities. By navigating

these changes thoughtfully, AI can enhance rather than replace human potential, creating a more efficient and inclusive workforce

Reference

1. https://www.researchgate.net/publication/373546124_Impact_of_Artificial_Intelligence_on_the_Future_of_Work_and_the_Labor_Market

2. https://www.tmi.org/blogs/the-future-of-work-skills-for-the-evolving-workplace

3. ACEMOGLU, D., and RESTREPO, P. (2017). Robots and jobs: Evidence from US labour markets. National Bureau of Economic Research Working Paper 23285, Cambridge MA. Retrieved from https://www.nber.org/papers/w23285.pdf

4. ALPAYDIN, E. (2016). Machine learning: the new Al. MIT Press.

5. ALDERWICK, H., HAM, C. and BUCK, D. (2015). Population Health Systems, Going beyond into integrated Care, February Zors. The King's Fund.