

# Artificial Intelligence's Effect on Accounting

Dr. Bhanwar Lal

*Dean & Associate Professor Department of ABST, SRRM Govt College Jhunjhunu (Raj)*

**Abstract-** The emergence of artificial intelligence has profound effects on many facets of human life. The rapid advancement of information technology and science is the cause of this. For this kind of individual, artificial intelligence is a very useful tool in many contexts. Involvement in accounting benefits from many angles and enhances the final release's correctness and precision. The advantages and disadvantages of using artificial intelligence to the accounting industry will be discussed in this essay. It may serve to complement the efforts being made in these areas, help diversify the data sea, and let individuals focus on issues that are relevant, including planning, accounting, and problem solving. Made the tedious procedure really clear-cut and easy in a short period of time. The goal of this study was to look at how artificial intelligence has affected accounting and how well it has been used.

**Keywords:** Industry Revolution, Artificial Intelligence, Technology, and Stock Trading.

## INTRODUCTION

In recent years, individuals all around the globe have been more interested in the broad use of technology that utilises artificial intelligence. Whether it is a straightforward introduction to human activity or a gradual influence on people's day-to-day life, you will discover that artificial intelligence has an impact on near every region of the world. In the present setting, the utilisation of digital technology results in an increase in the efficiency of the utilisation of technology. Explored and debated on a regular basis is the idea of the fourth industrial revolution. By using robotics and artificial intelligence in all aspects of corporate operations, it creates a platform that allows for the complete digitisation of business units. Accounting has shifted from being done via papers to being done through computer work as a result of this. Artificial intelligence has simplified and accelerated the processing of enormous amounts of data, to put it another way. It lessens the amount of work that is required for auditing, which includes things like reading contractual documents, reviewing magazines,

and determining whether or not financial statements are legitimate. A better understanding of the books, the identification of erroneous claims, and the identification of any risk-related reports are also helpful.

The findings of the study indicate that it is very probable that the majority of workers would lose their employment in the future. This is due to the fact that in the future, the majority of tasks, including those involving poor productivity, sales, and accounting, will be handled by robots. As a result, the main accounting professionals are one of the groups that will be impacted by the artificial intelligence revolution.

## ORIGINS AND FOUNDATIONAL IDEAS OF ARTIFICIAL INTELLIGENCE

At the Dartmouth conference in 1956, the phrase "artificial intelligence" was first used. Since then, several scholars have developed numerous concepts and guiding principles that have contributed to the expansion of the idea of artificial intelligence. In actuality, artificial intelligence is a simulation of a mind's ability to reason and gather data that is similar to human cognition. To mimic human cognitive processes, two techniques might be used. Firstly, the process of artificial insemination has the potential to produce a machine that resembles a human brain in terms of structure. The second method is termed active imitation, and it involves modelling the functioning of the human brain while causing the internal organisation of the brain to change. Modern electronic computers may mimic the information-gathering process as well as mental processes that occur inside the mind.

For the first time, "artificial intelligence" was described by John McCarthy. This is an attempt to disprove the many applications of machinery as part of a computer science experiment. Artificial intelligence technologies have the potential to perform many

computer-based functions, including but not limited to voice recognition, audit results, systematic editing, and intelligent labour.

### OBJECTIVE OF STUDY

To investigate the effects of AI in accounting and provide an explanation of its potential in the field.

Research Approaches Kind of Study  
Descriptive / Expressive Research

#### Data Source

The information was gathered from a variety of sources, including journals, research papers, and accounting websites that either directly or indirectly deal with artificial intelligence.

#### Limitation of Study

The research used data and information that had been published. Secondary data has a lot of drawbacks, such as inaccurate and erroneous information.

#### AI and Accounting

By eliminating tedious and complicated activities, artificial intelligence has the potential to totally change the financial industry and free up human financial professionals to provide their customers advanced analysis and support. This shift may be due to the development of AI. But businesses are reluctant to adopt AI for their workers since it's uncertain how it will benefit them economically and in terms of return on investment. Artificial intelligence has been used in a number of fields, including healthcare and finance. There are a lot of different businesses that are attempting to use artificial intelligence in some form or another. Consequently, the idea of artificial intelligence is rapidly spreading across the world of accounting. In spite of this, the notion of artificial intelligence is relatively new in the area of accounting. Just like in any other profession, accountants wish to devote AI to completing activities connected to accounts.

AI is capable of doing automated operations such as reviewing inventories, paying bills, and processing payments. In addition, AI can assist you in determining the current status of orders and in purchasing them. It is possible to send documents to management for approval in an automated manner. It

is also possible to automate the process of saving data and transmitting it to the file that has been selected.

In the not-too-distant future, it is anticipated that additional essential tasks, like as auditing, taxes, staff payments, and banking, would be automated via the use of artificial intelligence. Accounting will undergo a significant transformation as a result of this.

#### The Effect of AI on Accounting

Accountants and other stakeholders need to make use of their technical expertise and be aware of financial transactions that do not meet a high level in order to make efforts to improve accounting. Through the use of artificial intelligence, accountants are able to monitor the financial position of a firm and assist in making choices that are informed. Providing a database in a manner that is both cost-effective and efficient, establishing new analytical methodologies, and saving time in order to facilitate a change in attention away from accounting operations and towards decision-making, relationship building, and issue solving.

#### Positive Effect

Artificial intelligence has a more beneficial effect on accounting. Let's now examine the capabilities of AI systems in accounting.

#### Pay/Receive Processing

Due to the fact that it is conducted by hand on any arm, the processing of invoices has traditionally been one of the most time-consuming and expensive chores. The processing of billions of invoices and the payment of accounts is handled automatically by a single procedure between huge firms. Additionally, it is necessary to go through all of the emails, download the invoices, manually validate and extract the data, and lastly, process the payments.

In today's digital age, the necessity for invoice processing has become more crucial in order to enhance accounting, boost volume, process zero errors, and retain connections with merchants.

Since the introduction of invoice management systems that are built for artificial intelligence, the digital and financial revolution has reached a new level. These solutions assist customers in making the process of invoice processing more efficient. Digital devices that use artificial intelligence are able to scan financial codes that are compatible with all invoices as a

consequence of technical advancements in the financial industry.

#### Procurement

The application leaders in buying need to build greater adoption of fundamental purchasing solutions in order to take advantage of the value that artificial intelligence technology can contribute if it is given the appropriate platform. It is necessary to complete a significant amount of documentation in order to satisfy the requirements of buying procedures and procurement organisations. On offline systems, it is necessary to update and maintain a significant amount of records. The procedure of making a purchase will be carried out automatically due to the fact that AI machines analyse random data by using APIs.

#### Audit

One of the most critical tasks for auditors is data analysis. Having this information makes it much simpler for them to determine the scope of the audit and to carry out risk assessments. The method of robotic automation and analytics makes it easier to keep track of records for routine transaction research. When dealing with unusual and complicated transactions that call for measurement and judgement, sophisticated computer, artificial intelligence, and predictive forecasts might be of assistance.

A great number of jobs that were formerly carried out by hand, such as data input, are now carried out by artificial intelligence. It analyses one hundred percent of the data set without asking the individual to carry out exams, compose papers, or bear in mind all of the many regulations. Instead of focussing on rules, artificial intelligence will be responsible for transforming the notion of "sound assurance" in the future of auditing. This will be accomplished by completely grasping ledger and risk-based misunderstandings. The auditing procedure has resulted in an increase in the degree of security for the organisation. A digital tracker is used by auditors in order to scan and track data. It makes it possible for auditors to work more effectively and intelligently by scanning digital data rather of spending additional time manually looking through the complete file.

#### Monthly / Quarterly Cash Flows

Businesses that are aided by artificial intelligence have access to financial management solutions that allow

them to swiftly and easily change their work and get an understanding of their previous cash flow function as well as their future financial requirements. Both styles are shown in a back-and-forth-time fashion.

AI tools, gadgets, or programs not only speed up your procedures but also make your financial processes more exact and safe. This is achieved via the use of artificial intelligence. Systems that are empowered with AI are able to acquire data from a wide range of sources. Your monthly or quarterly cash flow will be gathered on schedule and simply integrated by devices that are empowered with artificial intelligence.

#### Expenditure Management

It is possible for AI-enabled technologies to displace human workers by doing all pre-made activities, hence saving time. They are quick and effective in working. It is a challenging work to analyse and finalise expenses in order to guarantee that they are in accordance with the rules of the firm. It takes a lot of time to complete the manual system. The process will be sped up by artificial intelligence because, instead of being subject to human mistake, the chain will be entirely digital, which will enable evaluations that are more robust and accurate. Artificial intelligence devices are able to read all receipts, audit expenses, and provide staff notifications when issues develop.

#### AI Conversations

Artificial intelligence-powered conversations are designed to provide users with a satisfactory response to their enquiries. Among other things, enquiries may encompass the most recent information regarding the account balance, statements, liabilities, and account status.

The utilisation of AI discourse may also enable employees in other departments, such as sales or marketing, to accurately report and monitor corporate expenditures. You may accomplish this by sending the board of directors an email containing the invoices, or you may pose straightforward enquiries, such as "Do I have any outstanding cost reports?" "When will I be reimbursed for these business expenses?" is the question being asked.

AI is enhancing its ability to address support level 1 enquiries and can even address routine consumer enquiries. Additionally, they may address enquiries regarding the current status of your account, the due

dates of certain invoices, your most recent account ratings, and other pertinent concerns.

#### Ride Provider

You may achieve a larger group of new consumers by using AI to your boarding operations, which can also help you increase income and differentiate your organisation from the other businesses in your industry. With the use of AI technologies, all providers may be integrated into programs without requiring any human input. They also have the ability to set up query sites in order to get the necessary data.

As a result, artificial intelligence presents several advantages to narrators. The manual verification, testing, and data validation processes are responsible for a number of operations that are included in many elements of financial services. With the data that we have at our disposal, artificial intelligence not only enables accounting firms but also technology firms to solve issues in ways that we never imagined were conceivable.

Despite positive outcomes, there is a drawback to accounting knowledge, which is as follows:

➤ Human Intelligence

Artificial intelligence can never match human intellect's complexity.

➤ Reasoning

Professional accountants provide advice in several areas, including operations and tax planning, in addition to tracking revenues. That consulting role is not one that AI will be able to fill very soon.

➤ The Interaction of the Cross

There are several nations and authorities in which accountants are employed on a regular basis; artificial intelligence algorithms have not yet been able to filter out this intricate junction.

When it comes to the implementation of artificial intelligence, the main challenge we have is getting people to understand its idea and accept the notion that their employment will be replaced by intelligent robots. AI is widely believed to be able to assist the organisation in maintaining its profitable operations.

Additionally, only accountants are required to have an understanding of the worth of these devices. It is possible for them to utilise it to supply the firm with comprehensive information. It is necessary for these individuals to have training and be aware of how to

assist them in order for them to comprehend and acknowledge a culture that is cherished.

#### CONCLUSION

The use of artificial intelligence provides the door for a better and more pleasant environment in the banking industry. The advancements that have been made in the field of artificial intelligence may be of considerable assistance to human endeavours. The use of artificial intelligence ought to be greeted with enthusiasm, and working to expand its capabilities may perform miracles in the enormous area of labour that encompasses a sea of data. The evolution of both society and the economy has led to the rise of artificial intelligence. However, despite the fact that artificial intelligence has altered the conventional approach to accounting work, it will not completely eradicate the practise of accounting. The development of artificial intelligence presents the accounting profession and financial writers with an opportunity rather than a difficulty posed by the technology. There have been some accountants who have lost their careers as a result of the development of artificial intelligence; nonetheless, it is not expected that AI will ever be able to completely replace accountants. Progressive accounting is what is required of accounting experts in order for them to have a favourable perspective on artificial intelligence.

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