

ROLE OF ARTIFICIAL INTELLIGENCE – “CONCEPTUAL PAPER”

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ABSTRACT

Artificial Intelligence is a multidisciplinary field whose goal is to mechanize activities that presently require human intelligence. In the future, machines will replace human abilities in many areas. It enables machines to extract, integrate, exchange and analyse large heterogeneous datasets to answer intricate problems in an appropriate manner. Application areas of Artificial Intelligence is having a huge impact on various fields of life these days in various areas as science, engineering, business, medicine, weather forecasting etc. The areas using the technology of Artificial Intelligence have seen an increase in the quality and proficiency. This excerpt aims to provide an outline of the uses of artificial intelligence in day-to-day activities.

KEYWORDS: Artificial Intelligence, multidisciplinary, business, medicine.

INTRODUCTION

AI supports in every extent of our lives, whether we are trying to read our emails, get driving directions, get music or movie recommendations. In this article, Let's see how artificial intelligence is used in day-to-day activities such as:

- Social media
- Digital Assistants
- Self-Driving and Parking Vehicles
- Email communications
- Web searching
- Stores and services
- Offline experiences

ARTIFICIAL INTELLIGENCE IN THE FIELD OF SOCIAL MEDIA

Artificial Intelligence has made things easier for all the people throughout world and it has bridged the gap of communication networks and issues related to it. It has provided us the facility of being connected with each other on 24*7 services with the help of the following platforms:

Twitter
WhatsApp
Microsoft Teams
Snap Chat
Telegram
Zoom
Facebook

Chatbots
LinkedIn
YouTube
Wikis
Hike
WeChat
Instagram

ARTIFICIAL INTELLIGENCE IN THE FIELD OF EDUCATION

Artificial Intelligence is one of the techniques to customize the experience of different learning groups, teachers, and tutors. This is how Artificial Intelligence apparatus has been used to improve study processes of the students. With the expected growth of AI in education, here is a glimpse into some of the roles it will play in the classroom.

- **Automate Grading:** Existing AI technology is already talented to automate grading of multiple-choice questions, but as AI develops and becomes cleverer, it is expected that the technology will one day be able to grade more than standardized assessments.
- **Support Teachers:** Along with the previous point, some routine works can also be accomplished by AI. It facilitates teacher-student communication as well. For example, a college lecturer fruitfully used an AI chatbot to communicate with students as a teaching tool for all semester without let the students knowing that they were not talking to a human.
- **Support Students:** Pearson has already suggested that in the future students will have an AI ultimate learning companion so it is crystal clear that next generation of students will raise up with an AI companion which knows their personal history, college history, strengths, weaknesses etc.
- **Allow Teachers to Act as Learning Motivators:** AI takes on more of a teaching role by providing students with basic information therefore teachers can move into the role of classroom facilitator or learning motivator.
- **Provide Personalized Help:** AI will also afford personalized coaching for students outside the classroom. When students have required to strengthen their skills and talents, AI will always there to provide them with the adequate tools they need for feat.
- **Identify Weaknesses in the Classroom:** AI will identify when groups of students slip certain questions letting the teacher know when material needs to be retaught. In this way, AI will also hold teachers accountable and strengthen best teaching practices.

ARTIFICIAL INTELLIGENCE IN THE FIELD OF MEDICINE AND HEALTH

In medicine and healthcare, the contribution of artificial intelligence is to improve patient attention and reduce costs. To prove this, let's take IBM Watson Health business unit where its system extracts patient data and other available data to formulate a hypothesis, then it presents with a confidence score scheme.

- Diagnostic imaging
- Genetic
- Electrodiagnosis
- Monitoring, Physiologic
- Disability Evaluation
- Mass Screening

ARTIFICIAL INTELLIGENCE IN THE FIELD OF BUSINESS

The impact of artificial intelligence on the world of business has potentially increased over the years. According to the world Economic Forum Statistics on the impact of AI by 2022, over 75 million human jobs will have been replaced by AI, at the same time it's going to create millions of jobs, refuting the misconception that the adoption of AI will make more people jobless. Artificial Intelligence in business evolves the use of:

- Intellectual computers and Processes Automation
- Software with human-like potential and accession in revenue.

- Helps in improving customer services and their experiences on availing the services.
- Detection of fraudulent and misinterpretation activities.
- Motivate the business to increase its productivity, efficiency, and effective work performance and helps the business to drive its growth and transformation according to the need and requirement of the recent trends and preferences of customers.

ARTIFICIAL INTELLIGENCE IN THE FIELD OF AGRICULTURE

Agriculture and farming are some of the most traditional and important professions in the world. It plays a significant role in the economic process. Worldwide, agriculture is a \$5 trillion production industry. Applications of AI in Agriculture:

- Use of weather forecasting
- Soil and crop health monitoring system
- Analysing crop health by drones
- Precision Farming and Predictive Analytics
- Agricultural Robotics
- AI-enabled system to detect pests

CONCLUSION

We might assume that it will be whereby AI 'associates' with humans that will determine its role in the future world of work. If human assessments are thoroughly articulated and embedded into AI systems then socially unacceptable consequences might be restricted.

So, does AI offer possibility or threat? Will machines exercise all the tasks or perform more than they destroy? Theories on this are apportioned, and the truth is likely to be somewhere in between the two extremes. AI will recapitulate to revolutionize the world of work, and workers will require to employ in life-long training, strengthening their skills and swapping jobs more often than they did in the past.

In the future, as humans increasingly work together with AI, the challenge for us in foresight core is to assure that we envision any adverse health and safety outcomes, evaluate the risks, and bestow this knowledge to serve the future working world.

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