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Impact of Artificial Intelligence in Human Life

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Corresponding Author: *Jasmin Upadhyay**DOI:** <https://doi.org/10.5281/zenodo.18107894>**Abstract**

Artificial Intelligence (AI) has emerged as one of the most transformative technologies of the modern era, significantly influencing human life, work patterns, decision-making processes, and social structures. This paper examines the comprehensive impact of AI on human life by exploring its conceptual foundations, functional mechanisms, advantages, limitations, ethical concerns, and future prospects. AI, driven by algorithms, coding, and data-driven learning models, has transitioned from theoretical and fictional constructs to practical, real-world applications such as healthcare diagnostics, business automation, security systems, education, smart lifestyles, and digital assistance. The study highlights how AI enhances efficiency, accuracy, risk reduction, and productivity while enabling round-the-clock operations and unbiased decision-making. Simultaneously, it critically discusses challenges including high implementation costs, lack of emotional intelligence, job displacement, erosion of human skills, and ethical issues related to privacy and security. The paper also reflects on emerging developments such as Artificial General Intelligence, humanoid robots, brain-computer interfaces, nanotechnology, and AI influencers, emphasizing their potential societal implications. The analysis concludes that while AI is an indispensable tool for human advancement, its responsible use, ethical governance, and human-centered integration are essential to ensure that technological progress supports rather than dominates human values and decision-making.

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Access this Article Onlinewww.multiarticlesjournal.com**KEYWORDS:** Artificial Intelligence; Algorithms; Automation; Human Life; Robotics; Decision Making**INTRODUCTION**

AI is a wide-ranging sense of intelligence which is manifest by machines, basically it is computer systems. Now a day it is use for achieving goals. It is subject of research in computer science. AI is the intelligence denote by machines. AI and Robotics are bridge between human life and human life's

future. AI exhibits advance accessibility care in our living spaces with smart homes.

AI is now use in practical world. It was not a thing of science fiction story, which we seen in many fictional movies. We use AI in our daily life. Sometime we use many machines, applications but we cannot aware or realization that we actually

used AI. So here I can say that we are captain of our own spaceship. We use AI to solve our every problem in day-to-day life. We use AI in a single minute of our life. Here, we discuss about AI that means we are discuss about Algorithms. Algorithms imitate or replicate human intelligence. It is working through mimicking behaviors.

AI based on specific rules and algorithms are trained to perform and identify accurate patterns prints on blank canvas, result is best output and collection of an art with accurate measurements, colors, size, and diagram. AI is a modern ART for mankind. AI is the backbone of innovation, AI structured with computer science, data analytics and statistics, hardware and software engineering, linguistics, neuroscience, and even philosophy and psychology

Hardware: Computer operated robot exists with some specification multiple bunches of vires and data junction device call mother board its visible, that hard surface call hardware, Software - Intelligent tool for thinking individually with coding control Like all data manage in computer brain intelligence with various software in one metal box, some software for pain, music, video.

AI has multiple layers to process information with help of human command process and that data get in single click. This command travel in multiple layered source data and found accurate result from deep blue sea.

Definition

AI means multiple advance tools, operated by source call coding which is developed by human brain. It created error free results with ability to understand human brain and commands, shows primary or any advance information from multiple layers with set up of algorithms.

(An algorithm is a set of instructions that are used to carry out a specific task or solve a problem. Algorithms are often associated with computer programming, but they can also be used in other areas, such as recipes and social media platforms.)

(A Coding is the process of writing instructions for computers to perform specific tasks. It's also known as computer programming, coding based on ancient language Sanskrit.)

AI Advantages in Human Life

1. Solution of Human Errors

In artificial intelligence world is with the right direction reduce any error of languages, programs, designs, musical notes, video creation, animation motion pictures. It will be solve or mitigate any stereo type human error in individual working method and move with perfection and precision. Any decisions taken by AI in every task or aspect are decided by bunch of previous information and a certain set of algorithms. When programmed accurately as per human command.

Example: Help of Robotic body surgery done by accurately AI reducing human error. with safety of patient and his/her health.

2. Decision ability of AI

AI manage multiple pattern layer data and maintain it which is not visible by human eyes but AI decide to right choice action as per requirements of mechanism of AI learning algorithms and analyze data with understanding future results, ability to process information at high speeds.

Example: AI helps to doctors in diagnosing diseases in health industry. AI algorithms can analyze medical images, as X-rays or MRIs, cancer diagnosed. Doctor need time to diagnose diseases AI improves patient health and delivered best result to human life in medical world.

3. Less Risk factor with AI

Another significant benefit of AI is that humans can overcome the risk by involvement of AI robots with the help of AI. The defusing bomb in air such as Mossad; that had been used AI protection shield by Israel. AI robots are exploring the oceans, rivers or understand soil of another planate with metal bodies survive any atmospheres or surface. Moreover, they can provide accurate result with responsibility.

Example: No risks factor in AI unit. It is a fully automated production; Robots perform all tasks, reduce the risk of human injury or hazardous atmosphere, and fast production too in so many mobile industries using these AI robots to merge mobile parts.

4. No time bound

Key benefits of AI are round the clock availability. Humans are productive for only about 7 to 8 hours daily, but AI is unstoppable and behaves like honest machine and work till battery is available in the particular robot. Human needs break to balance their work and personal lives. But AI can work endlessly without break. They are think faster than humans and perform multiple tasks with accurate results; they can even handle any jobs easily with AI algorithms.

Example: Customer support chatbots, which can provide instant help to customers anytime, anywhere. Using AI chatbots can answer relatives' questions, resolve issues, and share complex problems, customer service around the clock.

Digital assistants are employed by some advanced companies to interact with users, some chatbots are so sophisticated and answer all the questions which is asked; where we're communicating elegantly.

Example: Every business model has a customer service crew that address doubts and team will be trying to resolve the complication of the customer. Businesses can create voice bot using AI to answer all of their customer's questions.

5. AI as fair decision maker

Emotions drive major part in human's life, while AI operates with no emotion or sentiments. One significant advantage of Artificial Intelligence is; it does not follow the partiality, it is leading to more accurate and right selection of decision-making without any influence.

Example: AI - powered recruitment systems based on skills and qualifications are not religious based and not filtered on category wise.

6. AI as Automation Mode

Another known benefit of AI is the automation, it brings along! Everyday many repetitive tasks without confusion and error AI can do with efficiently. AI and automation brings more profit in business and growth of business development.

Example: To using robots in manufacturing mobile and joined mobile assemble parts with help of robots. It can handle repetitive tasks such as packaging, arrange all small parts and assemble it precisely with high accuracy and speed. It is reducing costs and improving efficiency in techno-oriented world.

7. Applications created smart life style

Today, all human lives depend on techno gadgets like mobile, laptop and the internet. Gathered with variety of applications; including Google Maps, Alexa, Siri, taking selfies, making calls, responding to emails, etc. human is Using various AI base techniques.

Example: All you need know about any particular place just ask to Google. For a trip it's an easy to plan, you just see video view and plan accordingly where Gujarat is located, where lock gate available in India. All the information you achieve through Google. The best route shows with Google map along with location.

8. AI lead Security & Fraud Detection

AI has ability to detect fraud, It amendments fraud detection and prevention by analyzing transaction patterns and identifying fraudulent activities. Algorithms identify from dark web activity, allowing organizations to take immediate action. AI able to learn new data continuously and de code the fraud or illegal command and identify as bug or virus.

Example: In the financial industry, AI is used to combat credit card fraud. AI systems analyze millions of transactions to identify patterns with fraud, its identify sudden large purchases. This AI protects customers as well as bank or financial industry protected and reduces losses under this tool.

9. AI as Smart Robot Bird

The next notable benefit of AI is AI improves security by

monitoring and analyzing multi layered data from main sources of information which connected with AI; AI system robot can detect unusual activities, faced identification, monitor incidents with deep observation and work towards human safety & security.

Example: In any cities, AI-powered cameras monitor public spaces or in streets. These cameras can observe suspicious behavior. Facial recognition technology can also identify known criminals or missing persons, this AI tool maintaining public safety and security. This smart view approach safer environment for residents, city and country.

10. AI with all Generation, Trends and Choices

AI technologies can process large multi layered datasets much faster than traditional human methods. This business predicts future trends and generates advance trends and collects and process accordingly human requirements as generation vise.

Example: AI process and analyze market data, identify patterns, and generate accurate predictions of choices and demand. It is allowing them to choose according trends and market availability.

AI is best example of efficiency and perfection. AI boosts efficiency and productivity accurate by data information and that data merge with performance and process.it is reducing the time and completes multiple tasks with accuracy.

Disadvantage

1. Expensive Implementation

The biggest drawback is implementation. AI implementation is too much costly. AI development is extremely expensive.

2. Less of Sensibility

This is the next unfavorable point for AI. AI acts like human but AI has not emotions and feeling like human being. AI has not that much creativity; it has run only according to command and installation of software.

3. Loss of Human Skills

Human is slowly addicted to use AI. There is risk human losing their primary essential skills. For example- we forget to dictionary while having study. We lose our thinking process. Reliance gives facility to not read map during navigation.

4. Job Displacement for Human

This is yet another disadvantage, AI perform well without mistakes. AI has to ability to perform task traditionally like humans, result is that human losses their jobs.

5. Ethical Problems

The ethical problems arise to growth of its rapid use and continue growth; one of the biggest problems is consumer's data privacy. AI can expose individuals to new vulnerability such as; cybercrime and online fraud.

Justification of AI

AI is set up of algorithms and complex mechanism which is operated by artificial brain and it stored with multiple layers structured data devise which is operated by human or its commands only and AI only behave with programed codes which designed by human.

If we accepted AI as tool it proved as most useful data collection box and if we accepted as habit its most dangerous habit like alcohol it will kill your decision making capacity very slowly at the end it will rule on your thought process and AI found loophole which consider as human call emotion, AI drop your emotional level and grab your attention with name of creativity and prove error free work effectiveness in task and demand your curiosity, AI always surprised your decision and improve each second, as human improve in months.

AI - no doubt gives artificial feeling that you give command and AI acts as per your commands but more habits ruin your life style with expensively engaged with AI habits.

Just think about yourself at this movement think year 2010 and your life style and think where is AI word exist in common life, AI growing day by day and stimulate our life with techno people, before 10 years back people asked do you have computer, now a days interviewer asked what is the use of CHAT GPT, what is open AI and crypto currency.

People surprisingly understand how AI evolved in human life and now all mankind involve with this machinery world and feel proud to be considering as techno man/woman.

Human Cannot Restrict this AI life style but AI involve so faster in private space where our parent, children living in that beautiful space and AI restrict and trying to control emotional life and read ethical behavior and trying to rule on sentimental connection and inform to our brains that we are not human we are biological robots.

AI is artificial and that intelligence creator is human only so we are creator of AI feel supremacy and act as AI is a child of mankind and treat as facility object AI based on multiple programed codes, AI will protect from opponents either its machine or human. to purpose of designed AI - is to prove existence of mankind showcase his/her self as perfectionist with AI.

Future of AI

AI in Business Automation – AI will use continue in business revolution by automation tasks, analyzed the data. This will be helping to companies build their business faster and more appropriately manage. AI finds out the customers desire, wish and needs for products. AI utilized the way of marketing and developing of business.

AI And Environment Changes: AI can tracking climate changes. AI can observe the changes of atmosphere. It can manage and predict natural disaster.

AI in Healthcare: We expect that in future AI plays a significant role in healthcare industry. By 2050, AI powered technologies can resolve patient care and evaluate accurate diagnosis, discover appropriate therapies. AI can be help in drug discovery; it can be help in patient therapies and treatments. AI may play a role in predict disease and leading to better health management.

AI will continuous to mold our world, making our lives more efficient, creative and easy.

Futuristic AI Stand on Next Level

Artificial General Intelligence: AGI have the ability to think and act like human. Currently AGI does not exist, but it will be the next generation (level) of AI.

Sora AI: Sora AI would be stand for its video generated capabilities. It will be like traditional video editing software. Sora exploits a deep studying model to generate new scenes from scratch.

Nanobots Kurzweil: Claims that Nanobots are blood-cell sized a very small device. It will fight against disease and improve memory. Its general intelligence within 20 years.

Elon Musk's Neuralink – it is like brain- computer interface (BCI) company. It has implanted brain chips in humans as part of clinical trials. Neuralink aims to help humans who suffer from paralysis. This chip controls human body and ultimately to allow humans to interact with artificial it's experimenting with human brain at present, person manage computer and give command through brain chip.

The Great Invention by AI - Robots IRIS



The school in Thiruvananthapuram, Kerala has the biggest achievement is an innovation in education. An introduction of India's first Generative Artificial Intelligence (AI) teacher robot named 'Iris'.

Sophia



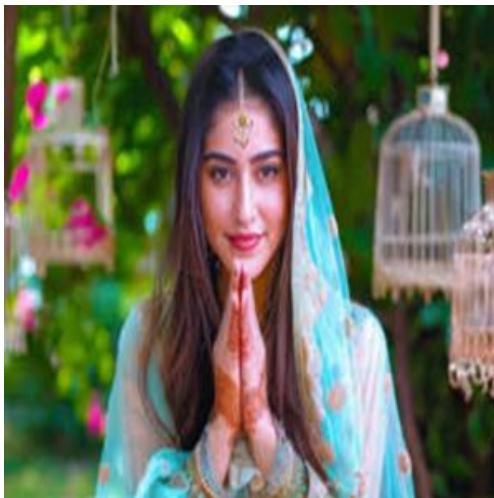
Kenza Layli



She is a female social Humanoid Robot developed in 2016 by the Hong Kong-based company Hanson Robotics (by David Hanson). Sophia was activated on February 14, 2016, made her first public appearance in March 2016, in Austin, Texas, US. Sophia was marketed as a "social robot" that can mimic social behavior and feelings of love in humans.

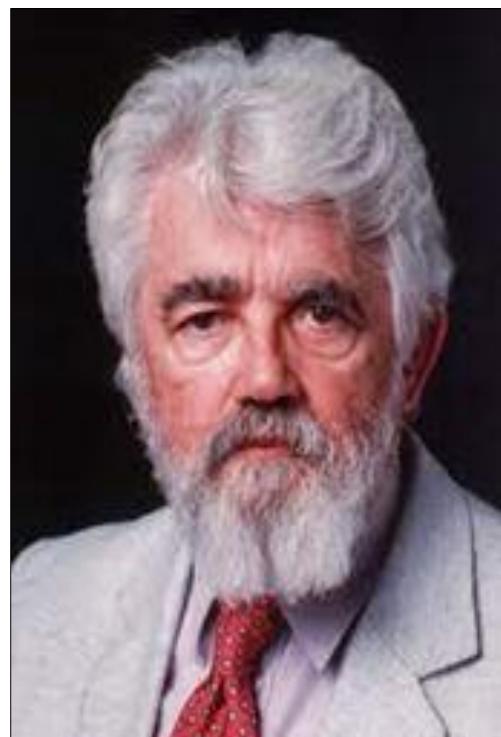
She attained many high-profile interviews. In October 2017, Sophia was granted Saudi Arabian citizenship, becoming the first robot to receive legal personhood in any country. In November 2017.

New Era AI Influencer
Zara Shatavari



AI generated social influencer who is talking about health, lifestyle and fashion. Her website is Zara Shatavari created by Rahul Choudhary. Mission is to aware about good health, career and latest fashion trends.

Kenza Layli is the first Miss AI Beauty pageant winner in 2024. working as social media influencer. Kenza is from Morocco won over 1,500 contenders.



Creator of AI Planate

John McCarthy (1927-2011): John McCarthy was An American computer scientist. He has known as the 'Father of Artificial Intelligence' (AI). He gave here remarkable contribution in AI and Computer science both. .



Alan Mathison Turing (1912-1954): He was an English mathematician, computer scientist, often considered the father of modern computer science, Alan Turing was famous for his work developing the first modern computers, decoding the encryption of German Enigma machines during the second world war.



Sam Altman (1985): GPT is own by Open AI, founded by SAM Altman, Elon Muak in 2015.and other and cofounded Open AI collaboration with Elon Musk. They want to make sure AI does not over rule on Human beings, with this Goal he want to run non- profit AI Company.

Elon Musk (1971): Founder of Tasla Company. Cofounded the electronic payment firm PayPal and formed spaceX. He was the first investor and as well as chief executive officer of electric car manufacturer Tasla.



Dr. Raj Reddy (1937): The term "father of Indian AI" is often attributed to Dr. Raj Reddy. He is a prominent computer scientist and an influential figure in the field of Artificial Intelligence in India, nobel prize in computer science 1994 for his work in AI.

CONCLUSION

AI is a life style and its developing day by day in human life's because it's programed to follow commands by human. AI develop own self in each seconds, AI has limit and need to care

taker layer; brain creativity call AI. Only perform with one click command and it is limitlessness of AI forever.

AI based Movies Reference



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