



International Journal of Research Publication and Reviews

Journal homepage: www.ijrpr.com ISSN 2582-7421

AI Impact on Future Us

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ABSTRACT –

From medicine to education, the economy to governance, Artificial Intelligence (AI) continues to have a growing impact on many fields. This document analyses the effects and benefits of AI on the future while discussing its challenges and ethical questions. While the healthcare industry as well as many others have been transformed by increased automation, data decisioning, and overall productivity, there is heightened concern over job loss, data privacy, and discrimination which require serious attention. This research paper covers the game-changing potential of AI, its effects on economic growth, and how crucial the integration of ethics in technology becomes for future economic development prospects.

Keywords— Artificial Intelligence (AI), Automation, Data Privacy, Ethical AI, Machine Learning, Neural Networks, Healthcare AI, Education Technology, Governance AI, Economic Growth, AI Ethics, Algorithm Bias, Smart Assistants, Personalized Recommendations, Cybersecurity, Job Automation, Productivity Enhancement, AI Integration, Policy Formulation, Future Technology Trends.

I Introduction :

From a mere technological innovation, Artificial Intelligence (AI) has evolved into a self-sufficient entity that has a profound impact on today. AI's influence is immensely growing with its incorporation in diverse fields such as healthcare, finance, education, and governance. The adoption of AI has automated complex tasks, improved decision making, and enhanced efficiency, however, concerns such as privacy issues, bias in algorithms, and unemployment due to atomization have arisen.

This paper seeks to analyse how AI could affect the future of different industries as well as consider the overall impact on society. The effort made through this research is to analyse how AI can be effectively utilized to foster innovation without putting ethical and societal responsibilities at stake.

II Objectives of the Study

1. Evaluate the impact of AI on vital sectors like healthcare, education, and governance, as well as the overall transformation that it has brought forth.
2. Assess the repercussions of AI on employment, productivity, and earnings while judging the economic impact AI has made.
3. Find out the ethical issues surrounding AI, including but not limited to, data privacy, security, responsibility, and general bias.
4. Develop guidelines towards policy formulation aimed at the intelligent use and manipulation of AI technologies.

Research Methodology :

In this study, qualitative research is used by examining literature, reports, and case studies pertaining to the effects of AI in various industries. Information has been accrued from scholarly articles, public documents, and business report to form a clear perspective on the future of AI in coming years.

Discussion and Analysis :

This research speaks about the different sectors AI helps transform:

1. Healthcare: AI assists in diagnostics and patient care alongside medical development, however there are looming data safety and ethical decision issues.

2. Education: AI personalizes learning and automates procedures, enhancing the end value of education, however, it may create dependency with less human touch.
3. Governance: AI helps in proper delivery of services to the public and management of smart cities but there are challenges on privacy and discrimination via algorithms.
4. Workforce and Economy: AI increases automation, which increases productivity, however it poses a challenge of job losses and wage gap.

The analysis goes deeper into the algorithm's biases, lack of transparency, and responsibility as some of the ethical challenges posed by AI integration. There is too much worry regarding the use of AI and the employment of such technology without strict measures to guarantee neutrality.

The Rise of AI in Everyday Life:

1. How Artificial Intelligence is Transforming Our Daily Experiences

Artificial Intelligence (AI) has emerged as an integral part of life today as it involves itself in our day-to-day activities. From personal assistance to suggestions, AI works towards changing how individuals function with technology and making life easier.

2. AI in Personal Assistants

Devices such as Amazon's Alexa, Apple's Siri, and Google Assistant have really become must-have gadgets in our homes. These smart assistants are here to help us keep things organized, manage our smart devices, and quickly find the information we need, all of which makes our daily lives run a lot smoother [4].

3. Personalized Content and Recommendations

Streaming platforms like Netflix and Spotify are harnessing the power of AI to understand user preferences better, offering tailored recommendations that cater to each individual's unique tastes. In the same vein, online retailers like Amazon utilize AI to suggest products based on your browsing history, enhancing your shopping experience in a more personalized way [4].

4. How AI is Making Everyday Life Easier

AI has subtly become a part of many facets of our life, frequently operating in the background to streamline processes and boost productivity. The following are some significant ways AI is improving our day-to-day lives:

1. **Smart Assistants:** AI-driven digital assistants assist us with scheduling, reminders, message sending, and even question answering.
2. **Online Shopping:** Online buying is made simpler and more convenient by AI, which offers tailored suggestions based on past purchases and browsing activity.
3. **Navigation and Traffic Updates:** AI is used by apps like Waze and Google Maps to evaluate real-time traffic data and recommend the fastest routes to our destinations.
4. **Email Management:** AI streamlines communication by classifying emails, filtering spam, and even suggesting prompt responses.
5. **Security and Fraud Protection:** AI uses facial recognition technology to improve home security and identify questionable activity in financial transactions.
6. **Entertainment:** Using our viewing and listening preferences, AI assists streaming services in making song, TV series, and movie recommendations.
7. **Education:** Students can learn at their own speed with individualized teaching via AI-powered learning platforms.
8. **Social media:** AI customizes material according to user preferences, curates news feeds, and makes friend recommendations.
9. **Customer Service:** AI chatbots enhance customer support services by instantly responding to frequently asked inquiries.
10. **Smart Home Devices:** AI-driven gadgets such as smart refrigerators and robotic vacuum cleaners make housework easier [4].

AI is improving the efficiency, convenience, and personalization of life through its capacity to continuously learn and analyse enormous volumes of data.

AI in Healthcare: Transforming Medicine

AI is making a significant impact on the healthcare industry by improving diagnostic accuracy, streamlining administrative tasks, and accelerating medical research. While large-scale automation in healthcare is still developing, AI is already playing a crucial role in enhancing patient care. Some of the ways AI is currently used in healthcare include:

1. **Medical Diagnosis:** AI analyses X-rays, MRIs, and CT scans, assisting doctors in making accurate and timely diagnoses [1].
2. **Medical Transcriptions:** Advanced speech recognition technology converts spoken language into written text, making medical documentation faster and more efficient [2].
3. **Drug Discovery:** AI speeds up the drug development process by analysing massive datasets to identify promising treatment options [2].
4. **Administrative Support:** AI helps manage billing, scheduling, and other administrative tasks, reducing paperwork and increasing efficiency in healthcare facilities [2].

1. The Future of AI in Healthcare

AI is set to revolutionize healthcare further in the coming years. According to the National Library of Medicine, AI's presence in clinical settings is expected to grow significantly within the next decade. Some of the key advancements on the horizon include:

1. More Accurate Diagnostics and Personalized Treatment Plans
2. Predictive Analytics for Disease Prevention
3. Faster Drug Development and Testing
4. Closer Collaboration Between AI and Medical Professionals [2]

2. Why AI Matters in Healthcare

AI has the potential to make healthcare systems smarter, more efficient, and more accessible. By improving diagnostics, treatment planning, and administrative workflows, AI enhances patient care while also reducing healthcare costs [2].

3. Pros and Cons of AI in Healthcare

While AI is bringing incredible advancements to healthcare, it also presents certain challenges that need to be addressed.

1. Benefits of AI in Healthcare:

- More precise diagnostics and better patient outcomes [1].
- Streamlined administrative processes, reducing workload for medical professionals [2].
- Faster and more efficient drug research and development [2].

2. Challenges of AI in Healthcare:

- Ethical concerns and data privacy risks [2].
- Job displacement and concerns about AI replacing human professionals [2].
- Trust and reliability issues when relying on AI for critical medical decisions [2].

AI is undeniably transforming healthcare, but human expertise remains irreplaceable. While AI can assist in diagnosis, treatment, and research, the compassion and intuition of healthcare professionals will always be essential. As AI continues to evolve, some will embrace its benefits, while others may hesitate to fully trust it. The future of healthcare will likely be a balance between technological innovation and human care [2].

AI in the Workforce and Economy

Artificial Intelligence (AI) has rapidly transformed the workforce and economy, significantly altering employment structures, productivity, and economic policies. AI-driven automation, machine learning, and robotics are reshaping industries, bringing both opportunities and challenges.

AI and Workforce Transformation

AI has led to both job displacement and job creation. Routine and repetitive tasks are increasingly automated, particularly in manufacturing, logistics, and customer service sectors. Studies indicate that nearly 47% of U.S. employment is at high risk of automation, particularly affecting low-wage and low-skilled jobs (6). Conversely, new roles demanding higher cognitive and creative skills are emerging, requiring upskilling and retraining initiatives (7).

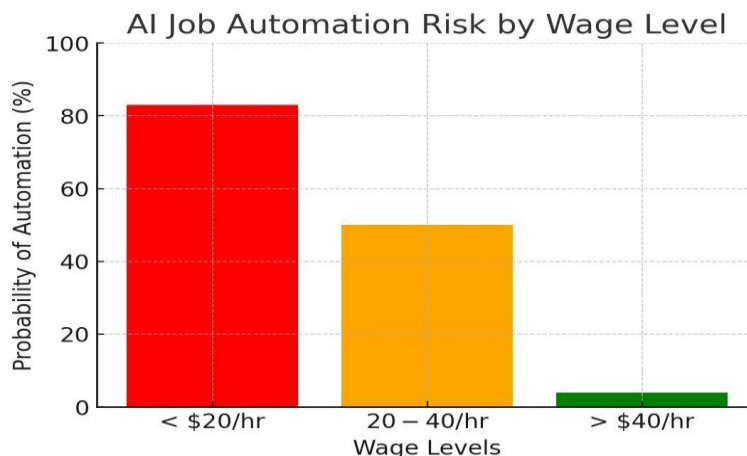


Figure- AI Job Automation Risk Chart

1. AI Job Automation Risk Chart – A bar chart showing the probability of automation across different wage levels (e.g., jobs below \$20/hour vs. above \$40/hour).

The integration of AI into businesses enhances productivity, streamlines operations, and allows for efficient resource allocation. AI-based automation has been observed to contribute significantly to economic growth, adding between 0.8% and 1.4% to GDP growth annually in China (8).

Additionally, McKinsey & Company predicts that AI-driven innovations could add approximately \$2.6 trillion to \$4.4 trillion in annual global economic value (9).

2. AI's Impact on Employment and Income Inequality

The labour market disruption caused by AI has led to rising concerns regarding income inequality. Low-skilled workers are at a higher risk of being replaced, whereas high-skilled professionals'

benefit from AI augmentation. The Council of Economic Advisers (2016) found that jobs with wages

below \$20 per hour had an 83% probability of automation, while jobs earning over \$40 per hour had only a 4% probability (6). This highlights the widening wage gap due to AI-driven automation.

AI's Impact on Employment Sectors

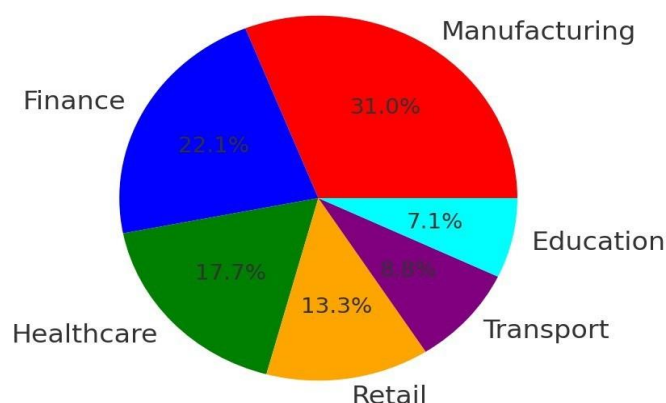


figure- AI's Impact on Employment Sectors

3. AI's Impact on Employment Sectors – A pie chart or infographic highlighting which industries (e.g., manufacturing, finance, healthcare) are most affected by AI-driven automation.

Moreover, the gig economy is seeing a shift due to AI platforms connecting freelancers with projects, redefining traditional employment relationships (7). As AI systems become more advanced, the demand for AI developers, data analysts, and cybersecurity experts is rising (8).

4. AI and Economic Growth

AI has become a key driver of economic transformation. A report by PricewaterhouseCoopers (PwC) suggests that AI could increase global GDP by up to 14% (approximately \$15.7 trillion) by 2030 (10). China and North America are expected to see the largest benefits, with projected GDP increases of 26% and 14%, respectively (10).

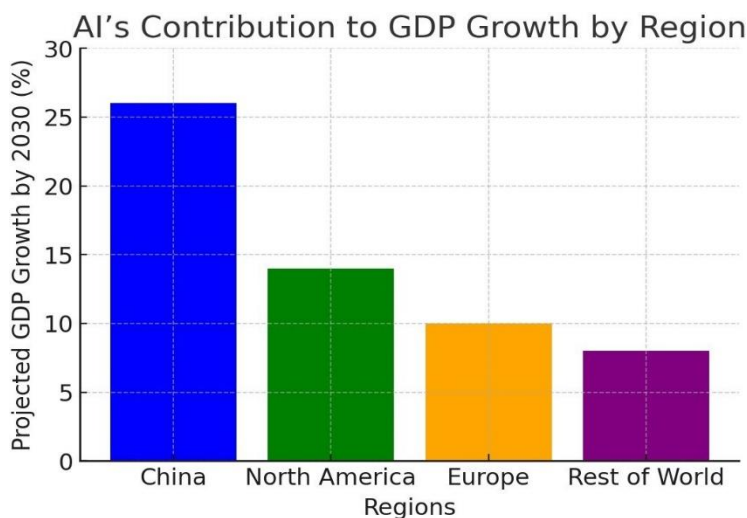


figure- AI's Contribution to GDP Growth

5. AI's Contribution to GDP Growth – A line or bar graph illustrating AI's projected impact on GDP by 2030, comparing different regions (e.g., China, North America, Europe).

Investments in AI have surged, with major tech companies such as Google, Amazon, and Apple acquiring AI-focused startups to enhance their technological capabilities (8). Additionally, venture capital funding for AI startups has grown by 40% between 2013 and 2016, highlighting the expanding AI-driven economy (9).

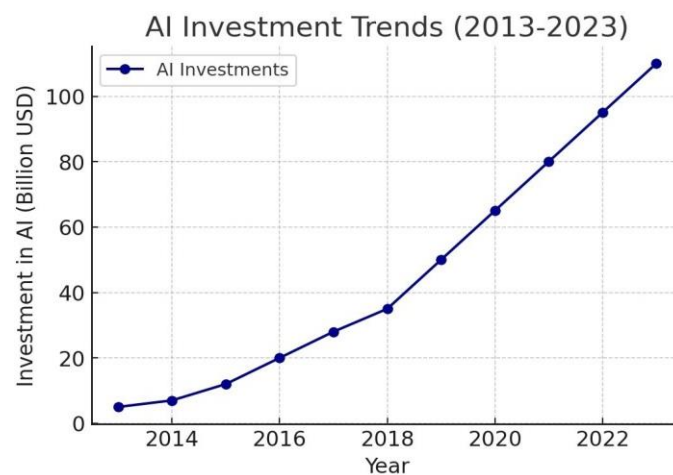


Figure- AI Investment Trends

6. AI Investment Trends – A timeline showing the increase in venture capital funding and corporate investments in AI from 2013 to 2023.

Policy Considerations and Future Directions :

To mitigate AI's disruptive effects, governments and businesses must focus on reskilling programs, ethical AI policies, and regulations. Policies that promote AI-driven economic benefits while addressing labour market shifts are crucial. The European Commission and international bodies emphasize the need for regulatory frameworks to ensure fair competition, safeguard intellectual property, and protect consumer rights (7). Despite concerns, AI is expected to complement human labour rather than entirely replace it. The future of work will involve human-AI collaboration, where AI handles data-intensive tasks while humans focus on decision-making and innovation (9). Ethical considerations such as algorithmic bias, data privacy, and transparency in AI decision-making remain critical challenges (8).

Future Predictions :

Looking ahead, AI is expected to become more deeply integrated into industries beyond manufacturing and technology, influencing sectors such as healthcare, education, and finance. AI driven personalized medicine and diagnostics may revolutionize healthcare, leading to increased life expectancy and improved patient outcomes. In education, AI-powered learning platforms will enable adaptive and personalized teaching methods, enhancing student engagement and academic success.

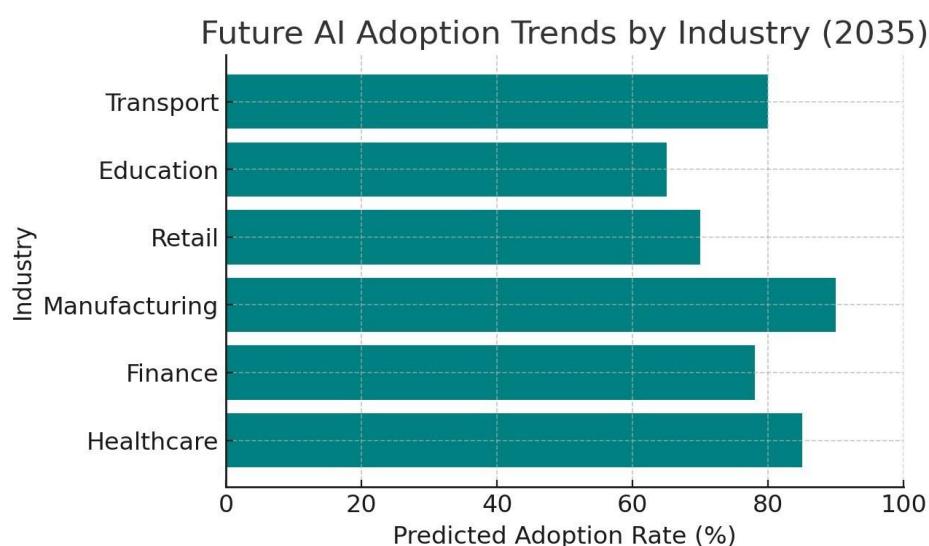


Figure- Future AI Adoption Trends

Future AI Adoption Trends – A projection graph showing the expected adoption rate of AI across various industries over the next decade.

Economically, AI will drive the development of smart cities, optimizing energy consumption, traffic management, and public services. Automation may also accelerate shifts toward remote and hybrid work models, reshaping corporate structures and office culture. However, as AI's role expands, ensuring job security through policy interventions, social safety nets, and continuous workforce reskilling will be paramount. The global AI race will

intensify, with nations investing heavily in research and AI infrastructure to gain a competitive edge in the digital economy.

AI's impact on the workforce and economy is profound, bringing both economic opportunities and workforce challenges. While automation may displace some jobs, AI-driven industries also create new employment opportunities. Governments, businesses, and academia must collaborate to foster AI innovation while ensuring economic stability and workforce adaptability.

Artificial Intelligence in Education: Opportunities and Challenges

Artificial Intelligence (AI) is transforming the education sector by providing personalized learning experiences, automating administrative tasks, and enhancing student engagement. AI-based applications such as intelligent tutoring systems, chatbots, and automated grading tools are reshaping traditional learning models [11]. However, challenges such as data privacy, ethical concerns, and potential biases must be addressed to ensure equitable AI adoption in education [12]. This paper explores the opportunities and challenges of AI in education, offering insights into its potential benefits and the considerations necessary for its responsible implementation [13].

The integration of AI in education has gained momentum with advancements in machine learning, natural language processing, and data analytics [11]. AI-driven educational tools enable personalized learning, allowing students to learn at their own pace and in a manner tailored to their individual needs [12]. While AI offers significant benefits, such as efficiency and accessibility, its implementation is also accompanied by concerns related to privacy, cost, and ethical considerations [13]. This paper discusses the applications, benefits, and challenges of AI in education [11].

Applications of AI in Education

1. **Personalized Learning:** AI-powered systems analyse students' learning patterns and provide customized content, helping students grasp concepts at their own pace [12].
2. **Intelligent Tutoring Systems (ITS):** AI-driven tutors offer real-time feedback and guidance, simulating human instructors [13].
3. **Automated Grading and Assessment:** AI tools grade assignments and exams, saving educators time while ensuring consistency [11].
4. **Chatbots and Virtual Assistants:** AI chatbots assist students by answering queries, providing study materials, and offering reminders [12].
5. **Smart Content Creation:** AI-generated digital textbooks and study guides optimize learning materials for better comprehension [13].

Benefits of AI in Education

1. **Enhanced Learning Outcomes:** AI enables adaptive learning, where students receive personalized resources based on their strengths and weaknesses [11].
2. **Increased Efficiency:** Automating administrative tasks such as grading and scheduling allows educators to focus on teaching [12].
3. **Greater Accessibility:** AI tools help students with disabilities by providing speech-to-text, translation, and text-to-speech functionalities [13].
4. **Improved Data Analysis:** AI enables educators to track student progress and tailor teaching strategies accordingly [11].

Challenges of AI in Education

1. **Privacy and Security Concerns:** The collection of student data raises concerns about data protection and potential misuse [12].
2. **Cost of Implementation:** AI-based educational tools require significant investment, which may be a barrier for underfunded institutions [13].
3. **Bias in AI Algorithms:** AI models may reinforce existing biases in education, leading to unfair assessments [11].
4. **Ethical Considerations:** The increasing reliance on AI raises concerns about teacher displacement and the role of human educators [12].

Artificial Intelligence in Governance: Opportunities and Challenges :

Artificial Intelligence (AI) is revolutionizing governance by enhancing decision-making, automating administrative processes, and improving public service delivery. Governments worldwide are leveraging AI for policy-making, predictive analytics, and regulatory enforcement. However, the integration of AI in governance also raises concerns about ethics, transparency, accountability, and bias. This paper explores the opportunities and challenges of AI in governance, emphasizing the need for robust regulatory frameworks to ensure ethical and responsible AI implementation.

AI is transforming governance by enabling data-driven decision-making, optimizing administrative functions, and improving public engagement [14]. Governments are employing AI for predictive policing, smart city management, and policy formulation [15]. However, the rapid adoption of AI also brings risks, including algorithmic bias, privacy concerns, and accountability issues [16]. This paper examines the role of AI in governance, highlighting its benefits and challenges.

Applications of AI in Governance

1. **Predictive Analytics and Decision-Making:** AI assists governments in analysing vast amounts of data to make informed policy decisions [15] .
2. **Automated Public Services:** Chatbots and virtual assistants streamline citizen services, reducing bureaucratic delays [14] .
3. **Smart Cities and Infrastructure Management:** AI-powered systems optimize traffic flow, energy consumption, and waste management [15] .
4. **Regulatory Compliance and Law Enforcement:** AI aids in detecting financial fraud, monitoring compliance, and enhancing cybersecurity [16] .
5. **E-Governance and Citizen Engagement:** AI facilitates digital governance by improving transparency and communication between governments and citizens [14] .

Benefits of AI in Governance

1. **Enhanced Efficiency:** Automation reduces administrative workload, allowing governments to focus on strategic initiatives [14] .
2. **Data-Driven Policy-Making:** AI enables evidence-based decision-making, improving policy effectiveness [15] .
3. **Improved Public Service Delivery:** AI enhances service accessibility and responsiveness, benefiting citizens [16] .
4. **Enhanced Security and Surveillance:** AI strengthens national security through predictive threat analysis and anomaly detection [15] .

Challenges of AI in Governance

1. **Ethical and Bias Concerns:** AI algorithms may reinforce societal biases, leading to unfair policies and discrimination [14] .
2. **Lack of Transparency and Accountability:** Decision-making processes driven by AI can be opaque, raising concerns about accountability [15] .
3. **Data Privacy and Security Risks:** AI-driven governance relies on vast amounts of data, increasing risks of data breaches and misuse [16] .
4. **Regulatory and Legal Challenges:** Existing laws struggle to keep pace with AI advancements, necessitating adaptive governance frameworks [14] .

AI and Ethical Dilemmas :

Overview Rapid advancements in artificial intelligence (AI) have transformed a number of industries, including healthcare, finance, and education. But even with these advantages, AI raises serious moral questions about bias, accountability, transparency, and privacy. These issues call for a conversation about how AI can be developed and used in an ethical manner to reduce harm and maximize benefits.

Discrimination and Bias in AI Large datasets with potential biases are frequently used to train AI systems. AI has the potential to reinforce and even worsen social injustices if these biases are not sufficiently addressed. For instance, because of historical inequalities in training data, AI-driven recruitment systems have demonstrated bias against women and minority groups in hiring procedures [17]. Predictive policing algorithms in the criminal justice system have come under fire for unfairly singling out underprivileged groups [18]. Developers must use bias-detection tools and make sure datasets are representative and diverse in order to lessen these problems.

Explainability and Transparency AI decision-making procedures are frequently criticized for being "black boxes," which make it challenging to comprehend the decision-making process. Particularly in high-stakes industries like healthcare and finance, this lack of transparency is concerning [18]. AI driven tools in medical diagnostics may offer suggestions without providing a justification, which makes it difficult for experts to validate and trust the results. In order to maintain the interpretability and accountability of AI systems, explainable AI (XAI) models are essential.

Responsibility and Legal Difficulties Determining who is responsible when an AI system makes a bad or incorrect decision is a critical ethical problem in AI. For example, who should be responsible for an accident involving autonomous cars—the user, the software developer, or the manufacturer? Such complexities are difficult for current legal frameworks to handle, so new regulations that precisely define accountability in AI-driven decision-making are required [17].

Data security and privacy Because AI depends on enormous volumes of data, data security and privacy are issues. People's privacy is at risk from unauthorized data access, breaches, and misuse of personal information. Protecting sensitive data requires adherence to laws like the General Data Protection Regulation (GDPR) and the use of strong encryption techniques [19]. To preserve public confidence, ethical AI must put user consent and data security first.

In conclusion the moral conundrums raised by AI emphasize the necessity of thorough legal and moral frameworks. Responsible AI deployment requires addressing bias, maintaining transparency, establishing accountability, and safeguarding privacy. To ensure that AI advances in a way that benefits society without compromising fundamental rights, policymakers, technologists, and ethicists must work together continuously.

AI in the Future :

Overview Rapid advancements in artificial intelligence (AI) are predicted to transform a number of sectors, including banking, healthcare, education, and transportation. The way AI is being incorporated into daily life raises concerns about how it will affect employment, ethics, and technological

advancements in the future. A future where artificial and human intelligence coexist peacefully will be shaped by the responsible development and regulation of AI, even as it continues to push boundaries.

Automation and Artificial Intelligence Automation and artificial intelligence (AI) are closely related, as industries depend more and more on robotics and machine learning to optimize operations. It is anticipated that AI-powered robots will increase productivity and lower costs in manufacturing by handling complex tasks with little assistance from humans [20]. But worries about job displacement continue, so policies that encourage workforce adaptation through reskilling initiatives are required.

Healthcare and AI has the potential to revolutionize healthcare by enhancing drug discovery, customizing treatment regimens, and improving diagnostics. Predictive analytics and AI-powered imaging technologies can identify illnesses like cancer early on, improving patient outcomes [21]. AI chatbots and virtual assistants will also improve patient interactions by providing medical advice and lightening the workload for medical staff.

Ethical and Regulatory Challenges

as AI becomes more sophisticated, ethical concerns such as bias, transparency, and accountability gain prominence. Algorithmic decision-making must be scrutinized to ensure fairness and avoid reinforcing societal biases [22]. Governments and organizations will need to establish robust regulatory frameworks to guide AI's ethical use and mitigate risks associated with data privacy and security.

Challenges in Ethics and Regulation Ethical issues like bias, accountability, and transparency become more important as AI advances. To guarantee equity and prevent reiterating societal biases,

algorithmic decision-making needs to be carefully examined [22]. To regulate AI's moral application and reduce the risks related to data security and privacy, governments and organizations must set up strong regulatory frameworks.

In conclusion AI has enormous potential to spur innovation in a variety of fields in the future. However, ensuring that AI is developed responsibly requires a balanced approach that addresses ethical, economic, and regulatory concerns. AI can be used to build a future that benefits people while reducing risks if policymakers, technologists, and society work together.

Conclusion :

AI is undeniably reshaping industries and society, offering transformative benefits in efficiency, decision-making, and economic growth. However, its widespread adoption brings significant ethical and societal challenges, including data privacy concerns, job displacement, and algorithmic biases. To fully harness AI's potential, a balanced approach is essential—one that fosters innovation while maintaining ethical integrity and social responsibility. Policymakers, researchers, and industry leaders must collaborate to establish robust regulatory frameworks that ensure fair and transparent AI systems. By addressing these challenges proactively, AI can be leveraged to create a more sustainable, inclusive, and prosperous future for all.

Future Scope :

Future research should focus on:

- Developing ethical AI frameworks that prioritize transparency and fairness.
- Investigating the long-term socioeconomic effects of AI on employment.
- Enhancing AI's capabilities while ensuring data privacy and security.
- Studying AI's impact on developing economies and strategies for inclusive AI adoption.

By addressing these areas, AI can be harnessed effectively to create a future that benefits humanity as a whole.

REFERENCES:

1. Kapa, S. (2023). The Role of Artificial Intelligence in the Medical Field. *Journal of Computer and Communications*.
2. JASON, The MITRE Corporation. (2017). Artificial Intelligence for Health and Health Care.
3. Abbas, M., & Rasool, G. (2021). Artificial Intelligence in Our Daily Life. *IJARSCT*.
4. Kofi, O., & Allen, O. (2024). The Rise of AI in Everyday Life: How Artificial Intelligence is Transforming Daily Tasks. *IJPREMS*.
5. Gupta, S. (2024). Role of Artificial Intelligence in Everyday Life. *IJNRD*.
6. Furman, J., & Seamans, R. (2019). AI and the Economy. National Bureau of Economic Research.
7. Kuzior, A., Sira, M., & Brożek, P. (2023). Effect of Artificial Intelligence on the Economy.
8. Nosova, S.S., Norkina, A.N., & Morozov, N.V. (2023). Artificial Intelligence and the Future of the Modern Economy.
9. McKinsey & Company (2023). The Economic Impact of AI.
10. PricewaterhouseCoopers (2017). The Global Impact of AI on GDP Growth.
11. Tahiru, F. (2021). AI in Education: A Systematic Literature Review. *Journal of Cases on Information Technology*.
12. Harry, A. (2023). Role of AI in Education. *Injuruty: Interdisciplinary Journal and Humanity*.
13. Zawacki-Richter, O., et al. (2019). AI in Education: Benefits and Challenges. *International Journal of Educational Technology*.
14. Nieminen, M., Gotcheva, N., Leikas, J., & Koivisto, R. (2019). Ethical AI for the Governance of Society: Challenges and Opportunities.
15. Taeihagh, A. (2021). Governance of Artificial Intelligence.
16. Pflanzner, M., Dubljević, V., Bauer, W. A., et al. (2023). Embedding AI in Society: Ethics, Policy, and Governance.
17. Ma, L., Zhang, Z., & Zhang, N. (2018). Ethical Dilemma of Artificial Intelligence and Its Research Progress. *IOP Conference Series: Materials Science and Engineering*, 392(062188).
<https://doi.org/10.1088/1757-899X/392/6/062188> .

18. Tanaka, H., & Nakamura, Y. (2024). Ethical Dilemmas in AI-Driven Decision-Making Processes. *Digital Transformation and Administration Innovation*, 2(2), 17-23.
19. Dhirani, L.L., Mukhtiar, N., Chowdhry, B.S., & Newe, T. (2023). Ethical Dilemmas and Privacy Issues in Emerging Technologies: A Review. *Sensors*, 23(1151).
<https://doi.org/10.3390/s23031151> .
20. Haenlein, M., & Kaplan, A. (2019). A Brief History of Artificial Intelligence: On the Past, Present, and Future of AI. *California Management Review*, 61(4), 5-14.
<https://doi.org/10.1177/0008125619864925> .
21. Jiang, F., et al. (2017). Artificial intelligence in healthcare: past, present and future. *Stroke and Vascular Neurology*, 2(e000101).
<https://doi.org/10.1136/svn-2017-000101> .
22. Colavizza, G., et al. (2021). Archives and AI: An Overview of Current Debates and Future Perspectives. *Journal of Computing and Cultural Heritage*, 15(1), Article 4.
<https://doi.org/10.1145/3479010> .