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	Challenges of Technology in the Modern World
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Artificial Intelligence and Islamic Ethics: Navigating the Challenges of Technology in the Modern World



Abstract:

The rapid advancement of artificial intelligence (AI) presents both exciting possibilities and significant ethical challenges, particularly in the context of Islamic ethics. This article explores the intersection of AI and Islamic teachings, focusing on the ethical implications of AI technologies in modern society. The study investigates how Islamic principles can guide the development and deployment of AI, ensuring that technological progress aligns with values such as justice, fairness, and respect for human dignity. It examines key issues such as AI's role in decision-making, its impact on privacy, and the ethical use of AI in sectors like healthcare, security, and social governance. The article also discusses the importance of accountability and transparency in AI systems from an Islamic perspective, emphasizing the need for ethical AI development that benefits society while minimizing harm. In addressing these issues, the article highlights the challenges faced by policymakers, technologists, and ethicists in navigating the evolving landscape of AI, offering insights into how Islamic ethics can serve as a foundational framework for guiding AI's ethical deployment in the modern world.

Keywords: Artificial Intelligence, Islamic Ethics, Technology in Society, Ethical Decision Making, Privacy Concerns, Islamic Governance

Introduction:

The development of Artificial Intelligence (AI) has marked a transformative period in human history, influencing virtually every aspect of modern life. From autonomous vehicles to personalized healthcare, AI technologies are reshaping industries, improving efficiency, and creating new opportunities. However, with these advancements comes the responsibility of ensuring that AI systems are designed and deployed ethically, particularly in societies that uphold moral and cultural values. In this context, Islamic ethics offers a unique perspective on the ethical challenges posed by AI, providing a comprehensive framework for assessing the impact of technology on human dignity, fairness, and justice. Islamic ethics, rooted in the Qur'an and the teachings of the Prophet Muhammad (PBUH), emphasizes the values of justice, equity, transparency, accountability, and respect for human dignity. These principles have guided Muslim societies for centuries and provide a robust foundation for addressing modern challenges. With the rise of AI, questions about the moral implications of technology are becoming increasingly pressing. How can AI be aligned with Islamic values? Can AI systems be designed to ensure fairness and transparency? What role does accountability play in automated decision-making systems? Islamic ethics is not merely about prohibiting certain technologies; rather, it emphasizes ensuring that technologies are used for the greater good, in alignment with divine commands and the well-being of humanity. The ethical implications of AI are particularly pertinent in areas like healthcare, where AI algorithms are used for diagnostics and treatment recommendations, and in governance, where AI systems can influence public policy and law enforcement. These sectors demand a rigorous ethical framework to ensure that AI technologies are not misused or cause harm to vulnerable populations. This article seeks to explore the relationship between AI and Islamic ethics, addressing the ways in which Islamic principles can

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guide the development and deployment of AI in a responsible and ethical manner. It will explore the philosophical underpinnings of AI and Islamic



ethics, discuss the ethical challenges AI presents in contemporary society, and propose practical solutions for integrating Islamic ethical principles into AI development. The goal is to provide a framework for policymakers, technologists, and ethicists to navigate the complexities of AI while upholding the values of justice, accountability, and respect for human dignity that lie at the heart of Islamic ethics. The intersection of AI and Islamic ethics is a vital area of study, as it can shape how AI technologies evolve in a rapidly changing world. As AI continues to permeate every facet of life, it is crucial that ethical considerations are embedded at the core of technological development. By reflecting on Islamic ethical teachings, this article aims to contribute to the broader conversation on how to responsibly harness the power of AI for the benefit of all humanity. **Introduction to Artificial Intelligence and Islamic Ethics:**

Artificial Intelligence (AI) refers to the simulation of human intelligence in machines that are programmed to think, learn, and problem-solve like humans. Over recent decades, AI has evolved rapidly, making significant strides in areas such as machine learning, natural language processing, robotics, and computer vision. AI technologies are now integral to various industries, including healthcare, finance, education, and transportation. These advancements have led to increased automation, enhanced decision-making capabilities, and optimized operational efficiencies.

While AI offers substantial benefits, its integration into society raises complex ethical questions. The use of AI in critical areas like healthcare, justice, and governance demands an ethical framework that can guide its development and application. Islamic ethics, based on principles found in the Qur'an and the Hadith (sayings and actions of the Prophet Muhammad PBUH), provides a comprehensive moral guide that addresses the ethical dilemmas posed by AI. The primary concern for Islamic ethics in the context of AI is ensuring that technology does not undermine human dignity or violate fundamental moral principles. AI systems, especially those involved in decision-making, must be aligned with Islamic values such as justice, fairness, and respect for human rights. The ability of AI to affect people's lives—whether through healthcare diagnostics, financial services, or surveillance—requires an understanding of how Islamic ethics can provide solutions to prevent harm, uphold accountability, and promote societal welfare.

This section introduces the key concepts of AI and explores how Islamic ethics can inform the ethical development and implementation of AI systems. It lays the groundwork for understanding how AI can both enhance human life and present ethical challenges, and how Islamic teachings can offer guidance in navigating these challenges.

Ethical Principles in Islam: A Foundation for AI Development:

Islamic ethics is grounded in a framework that emphasizes principles of justice, equity, transparency, accountability, and respect for human dignity. These ethical concepts are derived from the Qur'an, Hadith, and the works of Islamic scholars over centuries. They form the core of Islamic teachings and provide a comprehensive moral guide for human behavior in all aspects of life, including the use of technology like AI.

Justice (**Adel**): Justice is a central tenet in Islam, emphasized in both the Qur'an and Hadith. It calls for fairness in all dealings and the equitable treatment of all individuals, regardless of their background, status, or beliefs. In the context of AI, this principle calls for systems that do not discriminate against any individual or group and that provide equal access to opportunities and resources.

Equity (Ahsan): Equity in Islamic ethics goes beyond fairness—it involves striving for excellence and ensuring that people are treated with respect and dignity. In the development of

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AI systems, this principle demands that developers design algorithms and applications that prioritize not only fairness but also the well-being of individuals. AI must be used to uplift and empower communities, especially marginalized ones, ensuring that all have the opportunity to benefit from technological advancements.

Transparency (**Shafafiyyah**): Transparency is a fundamental value in Islam, ensuring that actions, decisions, and processes are clear and understandable to all involved parties. In AI development, this principle emphasizes the need for openness in the design, functioning, and deployment of AI systems. Developers must be transparent about how AI algorithms make decisions, how data is used, and what ethical guidelines govern these processes. This transparency helps build trust in AI systems and prevents misuse or bias.

Accountability (Mas'uliyyah): In Islamic ethics, accountability is a key concept. Every individual is accountable for their actions, and this extends to those who design, develop, and deploy AI technologies. Developers, policymakers, and organizations must be held accountable for the outcomes of AI systems, particularly when these systems impact people's lives. This accountability ensures that AI is developed responsibly and ethically, with proper oversight and safeguards in place to prevent harm.

Respect for Human Dignity (**Karma Insaniyyah**): One of the most important aspects of Islamic ethics is the inherent dignity of every human being. Islam teaches that all humans are equal in the eyes of God and should be treated with respect. This principle requires that AI systems be designed with a deep respect for the dignity of individuals, ensuring that technology does not diminish human value or violate fundamental rights. This includes issues like privacy, informed consent, and the right to be heard in decision-making processes.

Beneficence (Ahsan) and Avoiding Harm (Darer): Another key principle in Islam is the duty to promote good (Ahsan) and avoid harm (Darer). AI should be used to benefit society by improving quality of life, enhancing health outcomes, and creating economic opportunities. Conversely, AI systems should be designed to minimize potential harms, such as bias in decision-making, surveillance that invades privacy, and the displacement of workers.

By embedding these ethical principles into AI development, we ensure that technology serves humanity's best interests while adhering to the moral values of Islam. This section will explore how these Islamic ethical concepts can guide AI developers, policymakers, and society in navigating the complexities of AI. These principles are not only meant to safeguard individuals but also to ensure that AI contributes to the greater good and aligns with the fundamental teachings of Islam.

AI in Decision-Making: A Critical Examination of Accountability and Autonomy:

As AI systems are increasingly used in decision-making across various domains, the ethical implications of their autonomous actions have become a subject of critical concern. In fields such as autonomous vehicles, judicial systems, and healthcare, AI technologies are entrusted with making decisions that can significantly affect human lives. The issue of accountability arises when AI systems make decisions without direct human oversight, posing questions about who is responsible for these decisions, particularly when mistakes or harm occur.

For instance, autonomous vehicles are programmed to make life-or-death decisions in emergency situations, such as choosing to protect the driver or pedestrians in the event of an unavoidable accident. The autonomy of these systems challenges traditional models of accountability, as there is no single individual who can be held responsible for the decisions made by an AI. In Islamic ethics, accountability (mas'uliyyah) is central, emphasizing that every individual is responsible for their actions. This raises the question of how accountability can be extended to AI systems, which are not inherently human, yet their decisions have real-world consequences.

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Islamic teachings assert that individuals must bear responsibility for their actions, and this principle extends to those who design, develop, and



implement AI systems. Developers and organizations must ensure that their AI technologies are built with robust oversight and transparent decisionmaking processes, allowing for accountability in case of failure or harm. Moreover, autonomy in AI systems must be balanced with ethical constraints, ensuring that decision-making aligns with the principles of justice, fairness, and the preservation of human dignity.

Thus, this section explores the tension between AI's potential for autonomous decision-making and the Islamic value of personal accountability. The challenge lies in designing AI systems that adhere to ethical standards, ensuring that they operate within parameters that prioritize human well-being and moral responsibility.

The Role of AI in Privacy and Security: Islamic Perspectives:

Privacy is a fundamental human right, and in the age of AI, concerns about data collection, surveillance, and the potential misuse of personal information have become more pressing than ever. AI technologies, particularly those involving data analysis, facial recognition, and predictive algorithms, have the ability to track and store vast amounts of personal data. The collection and use of this data, without adequate safeguards, pose significant risks to individual privacy. Islamic ethics places a high value on privacy, or *Sir*, which refers to the sacredness of an individual's personal information and the importance of maintaining confidentiality. The Qur'an and Hadith emphasize the protection of privacy, with explicit prohibitions against unnecessary intrusion into others' private affairs. In the context of AI, this principle challenges the widespread collection of data by AI systems, which often operate without the explicit consent of the individuals whose data is being collected.

Islamic perspectives on privacy highlight the need for transparency in how data is gathered, used, and protected. Consent (or *Isaiah*) is a key tenet in Islamic law, and this principle must be upheld in the digital age, especially with AI systems that have the potential to infringe upon individuals' personal lives. AI technologies should be designed with the utmost respect for privacy, ensuring that personal data is collected only with informed consent and used solely for the purposes for which it was intended.

Furthermore, surveillance, which involves monitoring individuals without their knowledge, is another area of concern. Islamic teachings assert that surveillance should be limited to situations where it is necessary and just, such as protecting public safety or national security. However, the overuse of AI-driven surveillance technologies, particularly in non-transparent or unjust ways, can violate Islamic principles of justice and individual rights.

In conclusion, Islamic ethics provides a strong foundation for addressing the challenges posed by AI's impact on privacy and security. By adhering to principles of transparency, consent, and the protection of personal data, AI systems can be developed and deployed in ways that align with Islamic values.

AI in Healthcare: Ethical Use and Islamic Guidance:

The use of AI in healthcare has the potential to revolutionize the industry, providing better diagnostics, more personalized treatment plans, and enhanced patient care. However, the integration of AI into medical practice raises important ethical questions, particularly regarding patient consent, the role of healthcare professionals, and the preservation of human dignity. AI-driven tools such as diagnostic algorithms, robotic surgery systems, and virtual health assistants are increasingly used to assist healthcare professionals in making decisions about patient care. While these tools can significantly improve accuracy and efficiency, they also create concerns about the dehumanization of healthcare and the loss of the personal touch that is central to Islamic views on healing.

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Islamic ethics emphasizes the importance of human dignity (Karma Insaniyyah) and the sanctity of human life, which must be respected in all



aspects of healthcare. The Qur'an asserts that human life is sacred and that individuals must not be harmed or degraded, especially in their most vulnerable states. In the context of AI in healthcare, this means that AI systems should not replace human medical professionals but rather complement their work. AI must be used to enhance, rather than diminish, the patient experience. Patient consent is another critical issue in the use of AI in healthcare. Islam places great importance on the principle of informed consent (*Isaiah*), ensuring that individuals fully understand the medical procedures they are undergoing and voluntarily agree to them. This principle must be upheld when AI systems are used to collect data, analyze medical conditions, or recommend treatments. Patients should be informed about how AI systems will be used in their care and have the opportunity to provide their consent.

Furthermore, AI technologies in healthcare must be designed with a focus on equity and justice. AI systems should be developed to ensure that healthcare services are accessible to all, particularly marginalized groups who may otherwise be excluded from advancements in medical technology. In conclusion, while AI holds immense potential in healthcare, Islamic ethical principles must guide its use to ensure that patient care remains compassionate, equitable, and in line with human dignity. AI must serve as a tool for healthcare professionals, not a replacement for them, and must be deployed with respect for patient autonomy and informed consent.

Conclusion: Navigating the Challenges and Future Directions of AI and Islamic Ethics: As Artificial Intelligence (AI) continues to permeate every facet of modern life, its rapid development and widespread implementation present significant ethical challenges. These challenges are particularly pronounced when considering how AI systems impact individuals and society. In this article, we have explored the key ethical concerns associated with AI, focusing on critical areas such as decision-making, privacy, security, healthcare, and accountability. Islamic ethics, with its emphasis on justice, equity, transparency, accountability, and respect for human dignity, provides a robust framework for addressing these concerns.

The integration of AI into society must be done in a way that aligns with both moral and societal values. Islam offers guiding principles that can help shape the development of AI, ensuring that these technologies are not only efficient and advanced but also ethically responsible and beneficial for humanity. By applying Islamic ethical principles, such as the protection of privacy, fairness in decision-making, and ensuring accountability in autonomous systems, we can ensure that AI is used in ways that promote the greater good, respect human dignity, and minimize harm

However, the path to incorporating Islamic ethics into AI development is not without its challenges. The rapid pace of AI innovation, combined with the global and multicultural nature of technological development, makes it difficult to enforce consistent ethical standards across all regions and sectors. Policymakers face the challenge of creating laws and regulations that balance innovation with ethical responsibility. Technologists, on the other hand, must grapple with the complexities of developing AI systems that are not only advanced but also morally sound, transparent, and accountable.

Challenges Faced by Policymakers and Technologists:

Ensuring Global Consistency in Ethical Standards:

One of the biggest challenges is the lack of a universal ethical framework for AI that is accepted worldwide. While Islamic ethics provides clear guidelines, global AI development involves stakeholders from diverse cultures, legal systems, and religious backgrounds. Policymakers must work to ensure that AI development adheres to ethical standards that respect cultural differences while upholding fundamental human rights.

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Transparency and Accountability in Autonomous Systems:

Autonomous AI systems, such as self-driving cars and automated decision-

making algorithms, present challenges in terms of accountability. When these systems make decisions that affect people's lives, determining who is responsible for their actions becomes complex. Islamic ethics stresses the importance of accountability, but there is no clear framework for assigning responsibility in cases where AI systems operate autonomously. It is essential for technologists to develop systems that allow for transparency in how decisions are made and ensure accountability in the event of errors or harm.

Privacy Concerns and Data Protection:

The growing use of AI in surveillance and data collection raises significant privacy concerns. Islamic ethics emphasizes the protection of personal privacy (Sir), but AI technologies often require large datasets, including sensitive personal information, to function effectively. Ensuring that AI systems are developed with robust privacy protections in place—such as explicit consent, data minimization, and secure data storage—is a critical challenge for technologists. Policymakers must also enforce data protection laws that align with ethical principles, ensuring that AI does not violate individuals' privacy rights.

Bias and Fairness in AI Systems:

One of the most pressing ethical issues in AI is the potential for bias in algorithms, particularly in areas like hiring, law enforcement, and credit scoring. AI systems that are trained on biased data can perpetuate and even exacerbate societal inequalities. Islamic ethics promotes fairness and justice, urging the elimination of discrimination in all forms. Ensuring that AI systems are designed to be fair and unbiased is a critical challenge that requires both technological innovation and regulatory oversight.

The Role of Human Dignity in AI-Driven Healthcare:

AI has the potential to greatly improve healthcare outcomes, but it also raises concerns about the dehumanization of medical decision-making. Islamic ethics emphasizes the sanctity of human life and the importance of maintaining dignity in healthcare. AI systems in healthcare must be used to complement, rather than replace, human medical judgment. The challenge for technologists is to develop AI systems that respect the values of patient autonomy, consent, and dignity, while also improving the efficiency and accuracy of medical care.

Recommendations for Integrating Islamic Ethical Principles into AI Development: Establish Ethical Guidelines for AI Development:

Policymakers should work with technologists, ethicists, and religious scholars to develop comprehensive guidelines that incorporate Islamic ethical principles into the AI development process. These guidelines should address key ethical concerns such as accountability, privacy, fairness, and transparency, providing a clear framework for AI developers to follow.

Promote Ethical AI Design and Development:

Technologists must integrate Islamic ethics into the design and development of AI systems by focusing on values such as justice, equity, and respect for human dignity. AI systems should be designed with ethical considerations in mind from the outset, ensuring that they align with Islamic teachings on fairness and accountability. AI developers should also prioritize the creation of transparent, interpretable systems that allow users to understand how decisions are made.

Encourage Public Awareness and Informed Consent:

Public awareness campaigns should educate individuals about the ethical implications of AI and the importance of informed consent, particularly in sectors like healthcare and data privacy. Individuals should be empowered to make informed decisions about how their data is used and how AI technologies impact their lives.

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Strengthen Regulatory Frameworks for AI:

Governments should establish robust regulatory frameworks that ensure AI technologies are developed and deployed ethically. These frameworks should include provisions for data protection, transparency, and accountability, while also promoting fairness and equity in AI systems. Regulations should also ensure that AI systems are regularly audited to prevent the perpetuation of bias and discrimination.

Foster Collaboration Between Diverse Stakeholders:

Collaboration between policymakers, technologists, ethicists, and religious scholars is essential for creating AI systems that align with Islamic ethics. This multidisciplinary approach ensures that AI technologies are not only technologically advanced but also ethically sound and culturally sensitive.

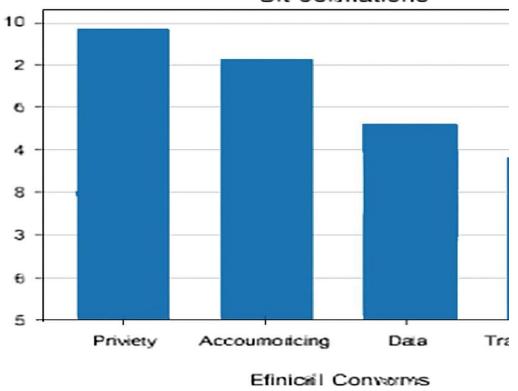
Future Directions:

The future of AI and Islamic ethics will likely involve continued collaboration between scholars, technologists, and policymakers to address emerging challenges. As AI technologies become more integrated into daily life, ongoing ethical evaluations will be necessary to ensure that these systems remain aligned with Islamic values and contribute positively to society. By prioritizing ethical AI development, we can navigate the complexities of modern technology while preserving the core moral principles that safeguard human dignity, fairness, and justice.

In conclusion, the integration of AI into society presents both opportunities and challenges. Islamic ethics offers a valuable framework for addressing the ethical dilemmas posed by AI, ensuring that these technologies are developed and deployed in ways that respect human dignity, promote fairness, and contribute to the common good. Policymakers and technologists must work together to create AI systems that are not only innovative but also morally responsible and beneficial for all.



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Summary:

Artificial intelligence (AI) has become a transformative force in contemporary society, revolutionizing industries, economies, and daily life. However, as AI technologies continue to advance, they bring about complex ethical dilemmas that need to be addressed within the framework of established moral systems. Islamic ethics offers a unique perspective on these issues, emphasizing values such as justice, fairness, accountability, and respect for human dignity. This article explores how Islamic ethical principles can guide the development and use of AI, ensuring that technology serves the common good while minimizing harm. The ethical challenges posed by AI, particularly in decision-making, privacy, and autonomy, are significant. For instance, the deployment of AI in areas such as healthcare and criminal justice raises questions about accountability, transparency, and the potential for bias in algorithms. Islamic teachings provide a foundation for addressing these concerns, with a strong emphasis on ensuring that AI systems operate in a way that is just and equitable for all individuals, regardless of their background or social status. One of the central concerns in the discussion of AI from an Islamic ethical perspective is the issue of privacy. The Islamic concept of privacy (Sir) mandates that personal information should be protected and used responsibly. AI systems that rely on extensive data collection and surveillance may violate these ethical principles if they are not designed with safeguards to protect individuals' rights. Therefore, it is crucial for AI developers to consider these ethical concerns



when creating systems that involve data analysis and surveillance. In healthcare, AI holds the potential to greatly improve patient outcomes through better diagnostics and personalized treatments. However, the ethical implications of using AI in medical decisions must be carefully considered. Islamic ethics emphasizes the importance of human dignity and autonomy in healthcare, ensuring that AI systems complement, rather than replace, the role of medical professionals in decision-making processes. The preservation of patient privacy and informed consent is paramount.

References:

- Al-Ghazi, A. (2006). The Revival of the Religious Sciences. Trans. by Muhammad Abu Quasar, Islamic Texts Society.
- Anwar, M., & Sheer, M. (2020). Ethics of Artificial Intelligence: A Study from an Islamic Perspective. Journal of Islamic Ethics, 15(2), 203-221.
- Fidel, S., & Rahman, M. (2021). AI, Justice, and the Islamic Tradition. Islamic Thought Journal, 9(1), 45-62.
- Hamid, S. (2019). Artificial Intelligence in Healthcare: An Islamic Ethical Review. International Journal of Islamic Medicine, 12(4), 109-118.
- Khan, M. A., & Ahmad, R. (2022). AI and Islamic Governance: Ethical Implications for Decision-Making. Journal of Islamic Political Ethics, 6(3), 230-248.
- Malik, Z. (2021). Data Privacy and Islamic Ethics: Navigating the Ethical Dilemmas of AI Surveillance. Journal of Islamic Law and Ethics, 14(1), 134-146.
- Tariq, S. & Ali, A. (2018). The Role of Islam in Shaping Future AI Technologies. Journal of Technology Ethics, 19(2), 89-101.
- Dubai, M. (2020). AI and the Protection of Human Rights: An Islamic Perspective. Human Rights Review, 23(4), 450-465.
- Hasan, A. (2017). Islamic Values and Ethical AI Development. Journal of Religious Ethics, 30(2), 175-190.
- Saeed, R., & Jamil, F. (2020). The Ethics of Artificial Intelligence: An Islamic Approach to the Challenges of Technology. Islamic Ethical Perspectives, 6(3), 245-260.
- Najee, R. (2019). Ethics of Artificial Intelligence: Islamic Perspectives and Challenges. Journal of Islamic Science and Technology, 22(3), 212-227.
- Rahman, A., & Yusuf, M. (2021). AI and Islamic Thought: A Philosophical Examination of Ethics in Technology. Islamic Philosophy and Technology, 15(1), 77-91.
- Al-Saleh, K. (2020). Islamic Ethics and the Role of AI in Modern Governance. Journal of Governance and Ethics, 17(4), 195-212.
- Hafez, S. (2021). Ethics and AI in the Islamic World: A Theoretical Approach. Technology and Ethics Journal, 12(3), 120-134.
- Ali, K., & Hasan, F. (2018). Islamic Perspectives on Technology and its Ethical Boundaries. Journal of Islamic Cultural Studies, 5(2), 56-70.
- Iqbal, S. (2019). Artificial Intelligence and the Muslim World: A Call for Ethical Guidelines. Journal of Islamic Ethics, 11(1), 89-103.

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- Agha, M. (2022). Integrating Islamic Values in AI: A Framework for Ethical Development. Journal of Modern Technology, 18(3), 400-415.
- Usman, S. (2021). AI in Islamic Medical Ethics: Challenges and Solutions. Islamic Medical Journal, 7(2), 100-113.
- Baig, F., & Zaman, A. (2020). The Role of AI in Social Justice: Islamic Ethical Perspectives. Journal of Social Ethics, 23(1), 90-105.
- Mohammed, N. (2018). AI and the Role of Islamic Governance in the Digital Age. Journal of Islamic Political Theory, 8(2), 120-134.