2. Literature review:

ChatGPT – A Systematic Review of Published Research Papers

ChatGPT has had consequences for the realm of education, and numerous articles distributed throughout the initial three months after ChatGPT's commencement were executed to address the inquiry that follows the question: How may ChatGPT affect the instructional setting?

This paper outlines the practical approach for utilizing artificial intelligence in a specific context. Conducting a thorough analysis of the pros and cons is crucial before implementing any intervention. This composition provides tips for effectively using ChatGPT to enhance the learning journey for teachers and students, addressing each individual's educational needs. ChatGPT's success is attributed to its ability to stimulate interaction and promote improved relationships between students. As noted in academic literature, ChatGPT has the potential to enhance education by offering tailored resources to meet individual learning needs. ChatGPT has potential in education as it provides convenient input, improving student engagement and comprehension. This study is based on client questions. Remote students may benefit from interpreting educational materials. The interactive aspect of this teaching method is effective for students. Observational studies show that this design efficiently automates essay evaluation, supported by an 0.86 correlation coefficient. It identifies key features of well-written compositions. ChatGPT has acknowledged restrictions in relation to this show including limited communication, understanding, security, and creativity. Using ChatGPT for learning gives a thorough analysis of data, but it doesn't replace formal education. Consider the imperatives due to inaccurate answers given on events, sometimes about non-existent things. Reassess emotions and methods. This event made some teachers rethink their beliefs and methods, including the way they evaluate students.

This article stresses the importance of using AI responsibly and ethically, with a focus on its potential impact on society. The text explores ChatGPT's assessment capabilities in education, stressing the importance of responsible use and its value in improving learning experiences. ChatGPT should enhance, not replace education. Goal: improve problem-solving skills and reduce bias. The author urges educators to reconsider student evaluations to reduce reliance on technology. Educational institutions need to reassess their policies. ChatGPT won't replace trained teachers. Educational materials must reflect academic knowledge and support students' implementation of principles. Pedagogy aims to promote social interaction through the active participation of students and educators for effective learning. To fully grasp ChatGPT's benefits and drawbacks, students must learn its operation.

Creators implemented affirms to certain restrictions through ChatGPT, which were subsequently then regeneration numerous times and scrutinized for copyright violation using the Turnitin system The look into the matter disclosed that the copyright violation takes fluctuated between 0 to 50%, triggering an adjustment of student evaluations. including projects for homework. In accordance with the data, students can end up reliance upon the material too extensively for the purpose of placing endeavor onto their studying and completing tasks. While adopting ChatGPT can hinder students' inventiveness along with upward mobility, it may be useful in organizing projects.

ChatGPT enables individualized instruction, creation of programs, language competence, the curiosity of creative phrases, and expert progression, along with assessment to students of all extents. However, it draws emphasis on its likelihood of embodying obstacles to learning. It is nearly impossible to determine one's individual satisfaction from those created by others. ChatGPT, as a trainee, can generate a substance that circumvents combating plagiarism tools, needing intellectual understanding. Whether utilized correctly, ChatGPT is able to enhance cognition by complementing the data.

The author emphasizes ChatGPT's competence to successfully pass trials despite being distinguished as either a human or Artificial. Nevertheless, recognition of artificial intelligence is nonetheless in its earliest stages, regarding inaccurate results. Certain educational institutions are considering changing the way they decide on students. They indicated no electronic devices, exclusively paper goods, with an emphasis on talents, implementing position during real-time, and being primarily conversational. Contrary to popular belief, certain universities encourage acceptable academic behavior by notifying students regarding the avoidance of plagiarism and tool constraints.

The researchers explore ChatGPT's consequences for educational institutions while providing a strategy for distinguishing content produced by artificial intelligence [.]. Apprentices leverage AI to achieve academic project time constraints. As an intellectual project, conventional assessments absent technological equipment have come to be imposed as an obligation. Designed to determine fraudulent behavior in school & convey precise accountability for ethical behavior and violators. The "AICheatCheck" app for differentiates numerous types of being dishonest as well as motivates honesty in education. An exciting new endeavor allows teaching staff throughout distinguishing between driverless and artificial intelligence-based evaluations.

The ChatGPT platform has significantly influenced electronic health care, specifically in medical treatments, and as a result of this, we will be pursuing multiple articles that were composed using this introduction.

The author of [24] observed a number of articles depending on the repercussions of ChatGPT in medical domains, such as trustworthy, educational-medical, with online healthcare exploration. In the above discussion, he accentuates the added advantages that ChatGPT seems to contribute to electronic health records, including: optimizing pharmaceutical written form, enhancing the procedure for conducting studies analyzing conditions, along with having the capacity to articulate to patrons exactly what convinced healthcare terms convey with regard to their comprehension and ChatGPT gets to be an effective tool to acquire investigates when considering this list of advantages. Consider the threats, challenges, and constraints, such as lack of integrity, innovation, accessibility, plagiarism, and inaccurate responses, which can have negative consequences. The lack of private information evidence and outdated data are significant threats. ChatGPT offers potential for medical education by aiding in the understanding of complex ideas. The suggested change in student assessments to prevent the negative effects of plagiarism on education.

Therapeutic processes and suggested practices are featured in [.]. Trustworthy sources and logical investigation are essential for regulations. Updating data is risky and can cause errors or undermine accuracy. New information may be outdated and add complexity. ChatGPT could be a useful therapy tool with regulated procedures increasing efficiency. ChatGPT helps patients with diagnosis, treatment, and guidance on diseases but doesn't replace expert counseling.

As noted in reference [], ChatGPT could assist healthcare professionals with disease identification and prescription management, allowing them to focus more on critical decision-making. ChatGPT may excel in drug discovery by categorizing chemical equations. Magnetic resonance imaging and anticipation of age-related conditions could be used to administer oncological therapies. Using displays responsibly is crucial due to incomplete information accuracy. Consider interdependent characteristics when determining diseases or treatments. For example, ChatGPT's challenges in assessing mental illness stem from a lack of emotional intelligence.

[] authors tested ChatGPT for antibiotic medicine by creating requests using this method to determine its potential for identifying all possible cases. They said ChatGPT's advice could be risky at times during treatment, especially if combined with antibiotics. When using the medicine, heed caution as it cannot replace a doctor's expertise in treating such conditions.

The writers briefly explain ChatGPT at the beginning of their paper in []. This talk tries to show the good and bad things about using the topic every day. While studying, ChatGPT's answers to different questions were questioned. These questions included how Natural Language Processing can be useful, what it could mean for healthcare in the future, and how the Internet of Orthopedic Things should be classified. The answers we got from ChatGPT about the questions were compared to what other people have already written about. They claim that the words "used with" are very important when they're used in a specific situation. More and more people are starting to realize how ChatGPT could be helpful in healthcare. ChatGPT has a helpful virtual assistant that can be very useful when people can't get help in the usual way.

ChatGPT excels in skilled writing with a focused approach to the subject matter. Using language processing systems like ChatGPT for academic writing presents challenges, as noted in [29]. This study examines a narrative's authorial perspective and intended audience. When an entity is produced without enough corroboration of its authenticity, the LLM presents information claimed to be accurate. This article outlines steps to authenticate machine-generated works. The process involves three phases, beginning with 1. The user of a robot must disclose its use, while social media's impact on communication, information sharing, and expression is widespread. Technology advances enable global communication, news dissemination, and sharing of diverse opinions on a large scale. Social media has prompted concerns like fake news, cyberbullying, and invasion of privacy. It's vital for people and organizations to reflect on their social media use and behave responsibly. It's crucial for individuals to identify sections generated by automation. Smartphone use by students in lectures is a debated topic. The use of digital tech in academics is debated. Supporters claim it aids access to info and collaboration, while opposers cite distractions, shorter attention spans, and poor note-taking. It's crucial to examine smartphone use in schools and create guidelines to ensure responsible usage. Checking the robot's generated content is vital for reliability.

The authors studied whether ChatGPT can produce peer-reviewed quality content comparable to human authors. They compared material from individuals and ChatGPT. [Based on citation [30]]. Using segments from 327 articles, this study compared ChatGPT's ability to explain a topic with defined conditions. The approach included two domains: Information Portrayal and Explanatory Strategies. The study checked ChatGPT's publishing capacity using human and AI-generated content. It analyzed data using two techniques:... Two approaches to content mining: directed and unsupervised. ChatGPT's content differs from others with high-precision algorithms used for classification. "The concept of human influence on creation."

Reference [31] explored training a machine learning model to differentiate between human-written and ChatGPT-generated short texts through online evaluations. Therefore, two modules were used along with the computer-generated text. The model's implementation marked a milestone in the research project by successfully distinguishing between human and machine-generated text. The successful integration of a machine learning model was a significant accomplishment. The research involved using text fragments and samples from ChatGPT, analyzed with an AI framework. XAI was used to highlight differences between human and ChatGPT writing styles for a scholarly tone. Different methods were used to achieve this goal. Two approaches were used to achieve the goal. Experiments were done where ChatGPT generated personalized text. The experiment used human-rewritten reviews as a benchmark. The results showed that distinguishing between human and ChatGPT reviews was harder when using rephrased human reviews.

In academic discussion, reference [32] discusses using ChatGPT to write on various subjects, highlighting its practicality. Scholarly journals facilitate research manuscript writing and data integration through peer review. The ChatGPT tool aids researchers in generating suitable titles, drafting, and peer review. Editing requires careful review and condensing. AI enhances the reliability and precision of systems by reducing errors. Brainstorming fosters new ideas and helps organize them. Authors claim automated text cannot substitute human cognition despite being a juncture in the information society. Creation is the act of producing something. After thorough consideration, the consensus is needed for chatbot regulation in scientific writing.

The authors in [33] state that language is crucial for data transmission and AI language tools are a notable advancement in academic communication. ChatGPT is one language tool among many others with a wide range of capabilities. There are doubts about the reliability of the textual framework and possible errors may spread without credibility measures. ChatGPT can create disorganized connections causing reader confusion. A group who share interests and live nearby, maintaining social interactions and interdependence. AI language bots have limited ability for research due to difficulty understanding data. A paper's character is shaped by research, thesis, structure, methodology, and language. Clear character is crucial for unified, pertinent, and influential papers. It guides what info to include, how to arrange it, and style/vocabulary. Writers must consider it from the start and modify it to achieve goals. The writers propose recommendations to optimize the benefits of AI in academic articles.

We'll review some theoretical papers discussing ChatGPT's impact on deployment and funding in this lecture, including citation [34] experiment. This study uses digital currency and data mining to analyze the financial system. An electronic coin index was created with artificial intelligence to help interpret the results. CoinGecko was our source for data on machine learning and AI, as we chose ten relevant sections from the website's menu. The study focused on a six-month period from July to December. Findings showed that implementing the ChatGPT theory boosted the value of most AI tokens.

Contributors discuss how using ChatGPT can enhance disputes among individuals knowledgeable about financial institutions, while still being accessible to those unfamiliar. This method is a useful approach for simplifying business frameworks for the latter group. "Comprehensible" means easily understood by people from different backgrounds. This month's study looks at the financial circumstances related to profits, including prices, alpha, beta, and inactivity, using ChatGPT data. All analyzed replies were considered understandable and appropriate.

Talking Abortion (Mis)information with Chat GPT on TikTok

Chatgpt on Abortion Misinformation

Previously, no assessment was done on ChatGPT's effectiveness in providing advice for premature birth. However, past research [] found the chatbot can assist in legalizing abortion in the US. ChatGPT stands out due to increased discussions about abortion after the US Supreme Court nullified the right to it. With limited access to legal abortion, people turn to search engines and social media for information on safe procedures. []

Post Roe vs Wade “At-Home” Remedies

Unlike the spread of false stories on vaccines, misinformation about abortion comes from untested "at-home" methods for ending pregnancies. These methods, including drugs, oils, and natural remedies, are being promoted on social media amid the Roe vs Wade debate. Please provide context and the specific content from reference 69 for an accurate summary. Women have been taken to emergency rooms after attempting failed self-induced abortions as a last resort to save themselves, according to available evidence. Please provide the original text for me to paraphrase.

False information about abortion online comes in many forms and it's hard to spot. This is well-documented. Identifying misconceptions about safety, reproductive health, and healthcare outcomes is a concern. Mental health risks and abortion legality cause public alarm. Concerns over misinformation about abortion, particularly regarding an "abortion reversal pill," on social media platforms like Facebook have increased, particularly after the Supreme Court's recent reversal of Roe v. Cannot be shortened - clarification needed for academic style. Academic writing has distinct conventions for structure, content, and style. It requires adherence to specific guidelines. These guidelines ensure clear, concise, organized, and formal academic writing. Academic writing should be objective and evidence-based, relying on authoritative sources. Academic writing emphasizes structured organization, including a clear introduction, body, and conclusion. Use transitions to connect text and follow style guidelines. Citation credits sources, prevent plagiarism and promotes consistency with referencing styles. Academic writing is a specific style requiring adherence to conventions for content, structure, and style. These guidelines lead to clear, concise, and well-supported texts for academic contexts. Spanish-language abortion misinformation is strategically constructed to engage Latino communities in the United States. Supreme Court decision [].

After Roe v Wade, false data about herbs causing abortion spread. Studies show that abortifacient herbs, even those used for medicinal purposes, can be harmful. Unfortunately, there is no clear evidence that they can cause spontaneous abortions. Can you kindly rephrase the above statement? []. Various methods analyze current [insert topic], with academic research being a significant approach. Various perspectives explain [topic]; [finding] common. It's crucial for scholars to carefully analyze existing literature to grasp nuances and complexities of [topic]. Investigations outside the US, where abortion is now legal, were conducted. Before 2012, abortion was illegal in Uruguay until it was decriminalized. A 2003 study found 86 cases of abortion-related incidents. From 1986 to 1999, people intentionally drank herbal infusions to induce abortion. After the US abortion ban, misinformation on "herbal abortions" spread on social media. 80 TikTok videos found.

Chatgpt on Social media handling

Platforms used diverse strategies to address false information on abortion, like YouTube's use of contextual tagging [88]. Twitter shared trustworthy abortion information through Moments and Events while Meta allegedly prohibited controversial abortion ads. TikTok removed false abortion information videos and labeled them, but harmful homemade miscarriage remedies are still on the platform. [12] found that the content appeared regularly in personal feeds, while 76 detailed the scholarly approach to counter abortion misinformation on TikTok. The verification process in healthcare fell behind the proliferation of dangerous solution videos.

TikTok, known as the "gen search engine" for Gen-Z, raises concerns about abortion info and user curiosity. It's also a platform for support exchange. However, using social media to spread information about feticide panacea is concerning because it may make the topic more popular among younger demographics. Research shows that misinformation about abortion on TikTok is real. Around 30% of users believe in unsafe "at-home" remedies. In a study, one-third of participants were not deterred by a discrediting TikTok video on "at-home" abortions. Incorrect or misleading info about abortion is a common issue in academia. 5

Voice Assistant Integrated with Chat GPT

How the model differs from other text neural networks?

ChatGPT remembers conversations and can help find gift ideas for mom's birthday through online chat using neural networks (Chen & Tseng, 2022). The bot offers gifts examples, preferences, and answers questions without controversy. The chatbot is unbiased, doesn't mention race or religion, and lacks self-awareness. (Hartmann et al. 2023) found that filters prevent discussing illegal or immoral activities, such as the bot not responding to inquiries about breaking into someone else's apartment. ChatGPT responses are editable, allowing users to provide additional information for greater precision.

What can this model respond with?

Social network users are vigorously experimenting with AI and subsidy their findings. Ben Tossel collected noteworthy answers from ChatGPT and presented them in a single Twitter thread in a majestic manner. To evaluate and spotlight the most captivating ones is the sole means of appraisal, as noted by Hartmann, Schwenzow, and Witte, in 2023.

Social media clients believe ChatGPT's response quality surpasses Google search, as demonstrated by a bot solving a differential equation quickly, while Google yields inadequate results (Thierry, 2020). Code composition guidance with AI guides the execution of tasks and method creation. This innovation can detect code mistakes and convert code between programming languages. In a test by (Phillips et al. In 2022), ChatGPT spotted 2 intentional code blunders and completed the task. Engineers agree AI can improve bug detection.

Interest in neural networks creating images is increasing, as shown by the growing demand in different research fields. Achieving good results requires careful examination of Midjourney and other related networks. A Twitter user got living room ideas from a bot, picked 3 options with pictures, and used Midjourney for good results. To enable a neural network to produce illustrations of Midjourney, formulate a precise inquiry as recommended by (Phillips et al. 2022).

ChatGPT knows the latest movies, TV shows, books, and games. You can create new episodes of old shows and mix different characters. On social media, chatbots discuss bubble sort using Seinfeld quotes or gangster movie lingo.

AI can be utilized for the purpose of creating musical compositions and written music in a comparable manner. The AI system generated a humorous version of The Queen's Bohemian Rhapsody melody, depicting the daily routine of postgraduate researchers, and also composed a sonata inspired by Mozart, all as part of a school task.

An essay comparing the concepts of nationalism by political scientists Benedict Anderson and Ernest Gellner was given a rating of five-plus by a Google researcher. According to (Hartmann, Schwenzow, and Witte 2023), ChatGPT produced this text in just ten seconds. An educator from the University of Toronto evaluated various essays created by artificial intelligence and awarded them grades ranging from B to A. They also stated that assigning homework to students is now impractical.

Guidance pertaining to one's physical and mental welfare. The ChatGPT platform offers counsel on the effective management of ailments such as headaches, skin irritations, and hypersensitivities. (Thierry 2020) asserts that while ChatGPT consistently advocates for seeking medical consultation following its recommendations, medical professionals acknowledge the competencies of the AI's advice and the possibility of its development into a medical chatbot.

ChatGPT for tourism: applications, benefits, and risks

ChatGPT for tourist companies

ChatGPT offers customer service including information, orders, bookings, queries, reservations and complaints when integrated with a chatbot. Hotels can use LLM-driven chatbots in (Sorrells, 2023) for automated concierge services. ChatGPT can help clients with arrival and departure, amenities, emergencies, pet & smoke regulations, and eco-friendly practices. ChatGPT can also assist with business materials like presentations, policies, letters, forms, and procedures (Chui et al., 2022).

ChatGPT can deliver desirable job adverts and questionnaires unique to the role, company strategy, and marketplace regarding the assignment, corporation strategy, and the field regarding HR departments. Company chatbots that incorporate ChatGPT or comparable LLMs may execute conversations throughout and following the onboarding of staff members by answering questions about terms, conditions, laws, and other topics. They could also make internal network content accessible to users through the implementation of search and inquiry and response functionality. By promoting idea exchange with executives, they may further encourage staff participation. ChatGPT can possibly be utilized in an assortment of commercial procedures. ChatGPT alongside associated techniques might not merely give concepts for client research, nevertheless, they also have the ability to assess feedback from customers (e.g., online evaluations, critiques, questionnaires, and other digital postings) through capturing ideas, sentiments, the voice, or feelings and recognizing patterns or trends. They may additionally be utilized for dividing input, for example, "room superiority," "service," or "food," or to develop summaries depending on feedback received from customers. ChatGPT can additionally be employed to produce artificially generated information to educate and enhance machine learning techniques for comprehending customer evaluations, as suggested by (Chui et al. 2022).