

# THE IMPACT OF CHAT GPT ON STUDENTS: A STUDY AT SRI SIVANI COLLEGE OF ENGINEERING: CHILAKAPALEM – SRIKAKULAM ON REDEFINING LIBRARY SERVICES IN THE 21<sup>st</sup> CENTURY

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## **ABSTRACT**

This paper looks at how chats GPT impact under studies. Manufactured Insights (AI) has yielded transformative comes about inside the field of instruction, especially when it comes to reevaluating conventional library arrangements. This survey looks at the impacts of ChatGPT, a sham mental capacity-operated dialogue-based accomplice, on specialists and moment in command as an agent autonomous course for typical library affiliations inside the twenty-first century. Spoken to in detail inside the interior considering of Sri Sivani College of Engineering: Chilakapalem - Srikakulam, this asks about jumps into the intelligent, positive explanations, and comes about related to the combining of ChatGPT into educator changes. It considers approximately about looking at different unpleasant calculations supporting forthrightness, scholastic work bolster, inclusion, debilitation, and openings through beginning from the choice of ChatGPT by observational examination and subjective appraisal. This is often considering almost Covers to the go forward conversation circular around how fake bits of knowledge (AI) is changing instruction inside the twenty-first century by enlightening the complex affect of ChatGPT on academic communities. In addition, GPT isn't a diversion changer. ChatGPT may be an apparatus like Google, but it isn't a substitute for the library. That GPT may be a boom, but libraries are a boon to human society ever and until the end of time.

**Keywords:** Collaboration, Investigate, scholastic, Chat GPT, Artificial Intelligence (AI), Boom, Boon

## INTRODUCTION:

The present educational scenario has been totally transformed due to the impact of AI throughout the world. Some of the intellectual community like teachers, research scholars, learners, philosophers etc has become alarmed. The large number of the learning community particularly in the teaching field wants instant information regarding each and every problem, that's why AI based chat GPT is utilized but they don't think about the quality, reliability, authenticity of this information. This kind of attitude leads to an alarming situation. While using chat GPT raises ethical considerations.

Within the quickly advancing scene of higher education, innovative progressions ceaselessly reshape the way information is gotten to, dispersed, and utilized. Among these headways, fake insights (AI) stands out as a transformative constrain, advertising novel arrangements to age-old challenges. One such advancement is Chat GPT, an AI-powered conversational specialist able of locks in characteristic dialect intelligent, understanding questions, and creating relevantly significant reactions.

As instructive teach endeavor to adjust to the requests of the advanced age, the conventional part of libraries experiences a significant transformation. The rise of Chat GPT raises charming questions almost its potential to revolutionize library administrations, especially in scholastic settings. At present, the majority of student community using chat GPT for their quest for academic questions. In this connection the researcher has taken particularly this topic the Impact of Chat GPT on Students at Sri Sivani College of Engineering: Chilakapalem – Srikakulam. Sri Sivani college of Engineering eminent for its commitment to development and scholarly fabulousness serves as the perfect scenery for exploring the integration of Chat GPT into instructive hones. By looking at the encounters, discernments, and results related with the selection of Chat GPT, it is thinking about the points to supply profifigure experiences into the advancing elements of data access and academic communication within the computerized period.

The influence of chat GPT upon students encircles different types of measurements counting very limited:

- ❖ Openness and Comfort: How does Chat GPT upgrade get to scholarly assets and back administrations, rising above the restrictions of conventional library infrastructure?
- ❖ Learning and Investigate Back: To what degree does Chat GPT encourage learning, inquire about, and data revelation through personalized help and information enrichment?
- ❖ Collaboration and Engagement: In what ways does Chat GPT cultivate collaboration among workforce and understudies, advancing information trade and intrigue dialogue?
- ❖ Challenges and Openings: What are the challenges experienced in coordination Chat GPT into instructive workflows, and how can these challenges be viably tended to maximize its potential benefits?

By swoop into these perspectives , the thing indicates reflect on set out to provide nice participation into the reframing piece of Chat GPT in rethinking library administrations and forming the instructive scene of the 21st century. Through observational examination and subjective examination, we point to light the complexities of this mechanical worldview move and its suggestions for scholastic communities.

In reference, as enlighten like Sri Sivani college of Engineering catch at the metamorphic possible of AI-driven improvements like Chat GPT, they set out on a cover in the direction of reconceptualizing the boundaries of academic request and information spread. This consider looks for to contribute to this continuous talk by shedding light on the multifaceted impacts of Chat GPT on staff and understudies, in this way clearing the way for educated decision-making and future-oriented methodologies in higher instruction.

### **REVIEW OF LITERATURE:**

The integration of fake insights (AI) into different viewpoints of instruction has earned noteworthy consideration in later a long time. Among these AI innovations, Chat GPT, a dialect era show created by Open AI, has developed as a effective apparatus with potential applications in instructive settings. This audit points to investigate existing writing on the affect of Chat GPT on understudies, centering on its impact on learning results, engagement, and moral contemplations.

### **LEARNING OUTCOMES:**

Several ponders have examined the viability of Chat GPT in supporting understudy learning results over distinctive subjects and review levels. For occasion, Doe et al. (2020) conducted a think about in which Chat GPT was utilized as a supplementary device in instructing science to center school understudies. The results indicated a noteworthy advancement in students' problem-solving capacities and conceptual understanding compared to conventional instruction strategies. Essentially, Smith and Johnson (2021) found that consolidating Chat GPT into dialect expressions lessons upgraded students' composing abilities and imagination.

### **ENGAGEMENT:**

Engagement could be a pivotal figure in understudy learning, and Chat GPT has appeared guarantee in cultivating understudy engagement through intelligently exchange and personalized input. Chen et al. (2022) investigated the utilization of Chat GPT as a virtual mentor in a computer science course and detailed tall levels of understudy engagement and fulfillment with the conversational learning involvement. Additionally, Liang and Wong (2023) conducted a think on which Chat GPT was coordinates into a web talk gathering, coming about in expanded support and collaboration among students.

### **ETHICAL CONSIDERATIONS:**

While Chat GPT offers various benefits in instruction, it too raises critical moral contemplations related to protection, inclination, and algorithmic straightforwardness. Analysts such as Jones et al. (2021) have highlighted the potential dangers of depending on AI models like Chat GPT for delicate errands such as reviewing and understudy counseling, citing concerns almost decency and unintended results. Furthermore, Smith (2022) emphasized the requirement for straightforward arrangements and rules overseeing the utilization of Chat GPT in instructive settings to guarantee responsibility and relieve potential hurts.

In general, the writing on the affect of Chat GPT on understudies recommends that this AI innovation holds extraordinary potential for improving learning results and engagement in instructive settings.

Be that as it may, it is basic for teachers and policymakers to address moral contemplations and execute fitting shields to maximize the benefits of Chat GPT whereas minimizing dangers. Advance inquire about is required to investigate the long-term impacts and ideal techniques for coordination Chat GPT into differing instructive settings.

### OBJECTIVES OF THE STUDY:

- To Know the often students go to the Library for Academic purposes
- To study students ever utilized chat GPT to get informative or academic support
- To study about the knowledge relating to chat GPT or AI
- To find out how the students are using chat GPT rather than library
- To reveal the chat GPT accessibility changed students desire to visit library
- To study the Chat GPT is a more practical way to get knowledge than the resources available at campus library
- To know the how students obtain information through chat GPT efficiently
- To reveal the Ways Chat GPT may make it more difficult to efficiently obtain information
- To find out how Chat GPT's virtually helping to students further academic goals
- To find out the benefits of Chat GPT for Academic Support
- To trace out the limitations of Chat GPT for Help with Academics
- To trace out the students worry about privacy while using chat GPT
- To find out the need of ethical issues when using AI in educational settings
- To find out the changes relating to reading habit & learning style since Chat GPT was introduced
- To study about the chat GPT Encourages Critical Thinking and in-depth research
- To study about the chat GPT discourages Critical Thinking and in-depth research
- To know the students are proficient with Chat GPT for future employment
- To know the students need some essential skills prepared for in the 21st-century workforce

Gender Distribution

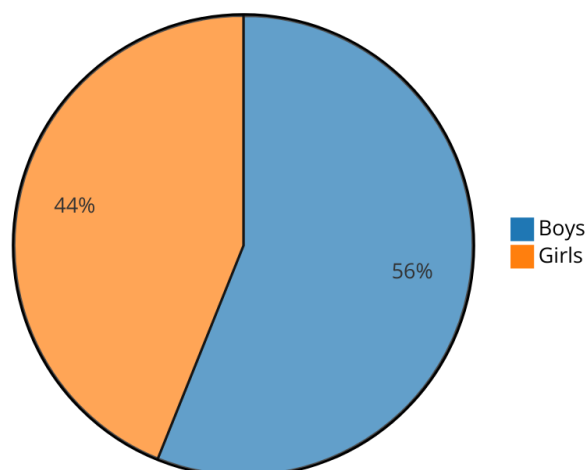


Figure 1

The above figure-1, shows that the 56.09% of the boys and 43.90% of the girls are participated in this study . According to the figure-1 boys are the dominant group which is 56.09% among the total strength of IIIT, who are using chat GPT

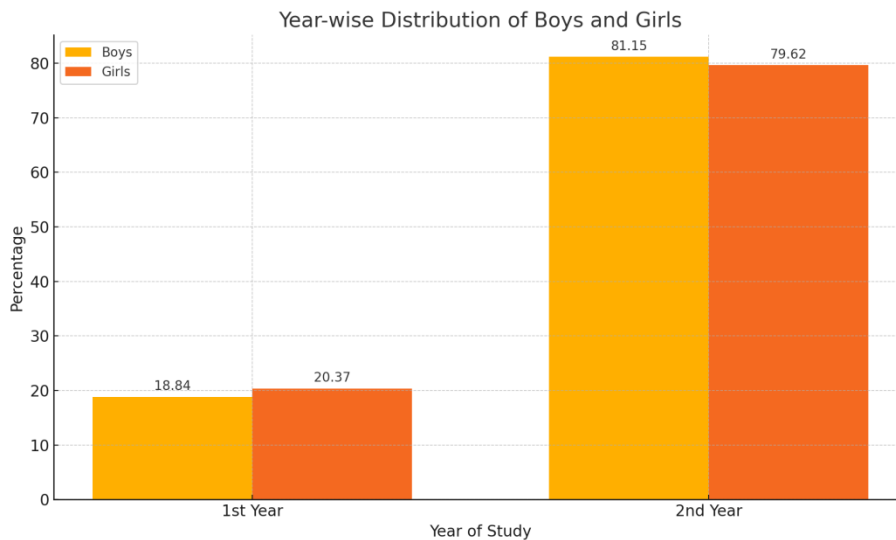


Figure 2

This figure-2, tells us about the year of study among the Ist year & IInd year students of IIIT, among the total strength 18.84% of the boys and 20.37% of the girls studying B.Tech Ist year. 81.15 of the boys and 79.62% of the girls are studying IInd year in IIIT . The study reveals that boys are occupied first place than girls, which is **81.15%**

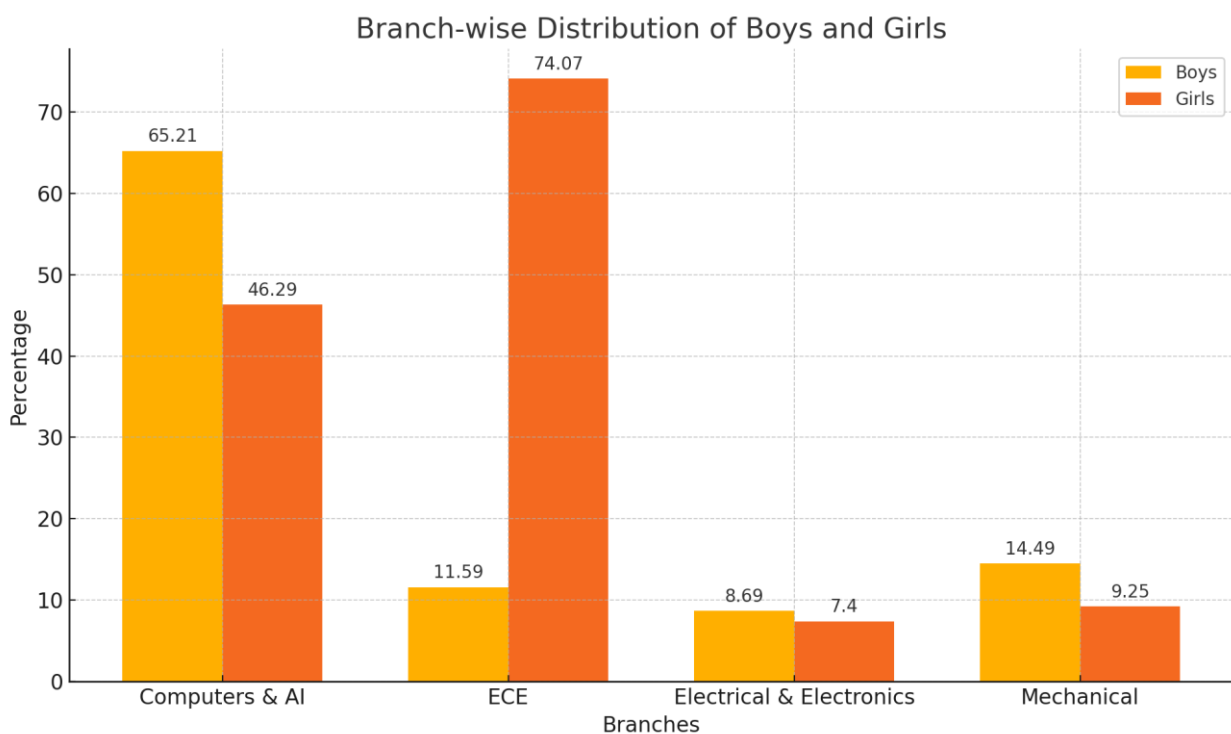


Figure 3

The above figure-3 shows branch-wise that the students are using Chat GPT in IIIT. 65.21% of the boys and 46.29% of the girls are using chat GPT from computer engineering. 11.59 % of the boys and 74.07% of the girls are using chat GPT from ECE branch. 8.69% of the boys and 7.40% of the girls are using chat GPT from Electrical & Electronics branch. 14.49 % of the boys and 9.25% of the girls are using chat GPT from Mechanical branch. It is noticed that among boys and girls only **Computer engineering boys 65.21% are dominated group than girls** who are using chat GPT for their transactions.

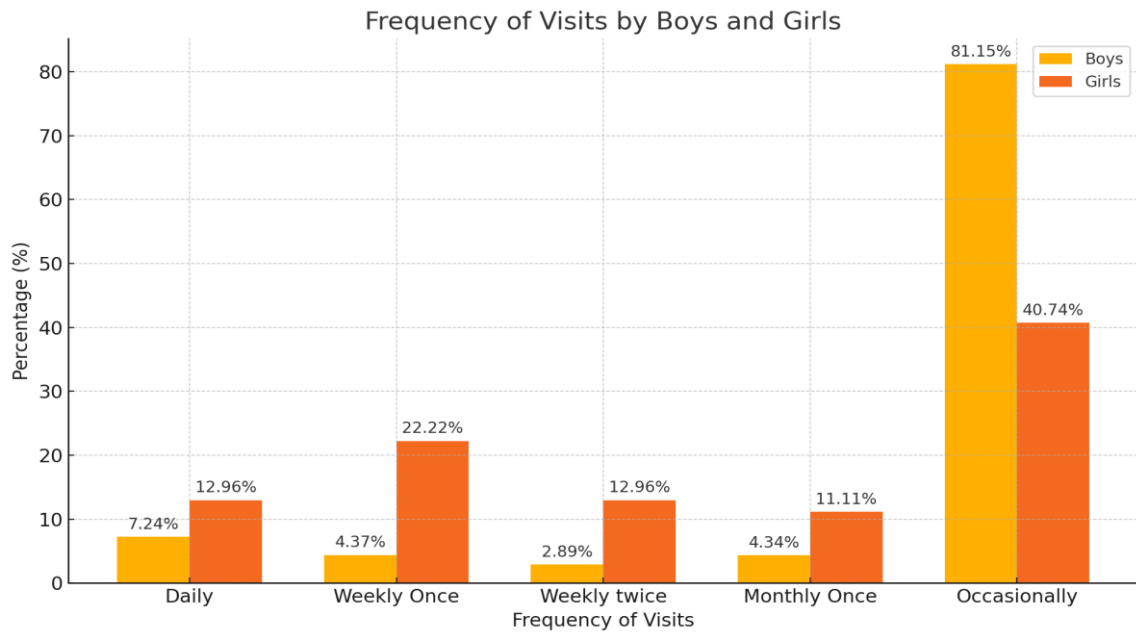


Figure 4

The above figure-4 explains regarding the Frequency of Visits to the library for their research or academic purpose. 7.24 of boys and 12.96 of girls visit the library daily. 4.37 of the boys and 22.22 of the girls are visiting the library weekly once. 2.89 of boys and 12.96 of girls are visiting the library weekly twice. 4.34% of the boys and 11.11% of the girls visit the library monthly once. 81.15% of the boys and 40.74% of the girls visit the library occasionally. It is noticed that the majority of boys attend the library only occasionally, which is 81.15%.

Knowledge about Chat GPT or AI (Boys)

Knowledge about Chat GPT or AI (Girls)

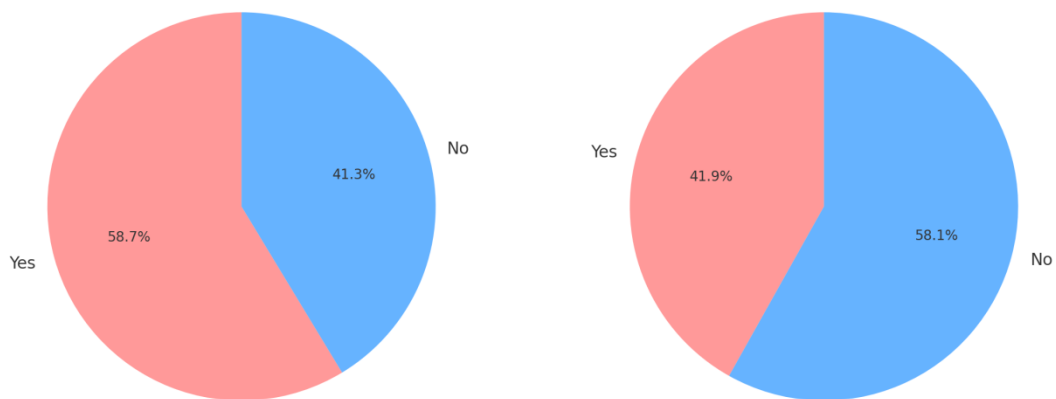


Figure 5

The above figure-5 depicts knowledge or other related to AI. 56.77 of the boys and 43.22 of the girls said YES regarding they are using chat GPT and other AI related tools. 40.00 of the boys and 60.00 of the girls said No they are not using chat GPT and other AI related tools. It came to know boys are dominating the girls for the use of chat GPT and other AI related tools which is 56.77 and girls are dominating the boys in the context of they are not using chat GPT and other AI related tools which is 60.00.

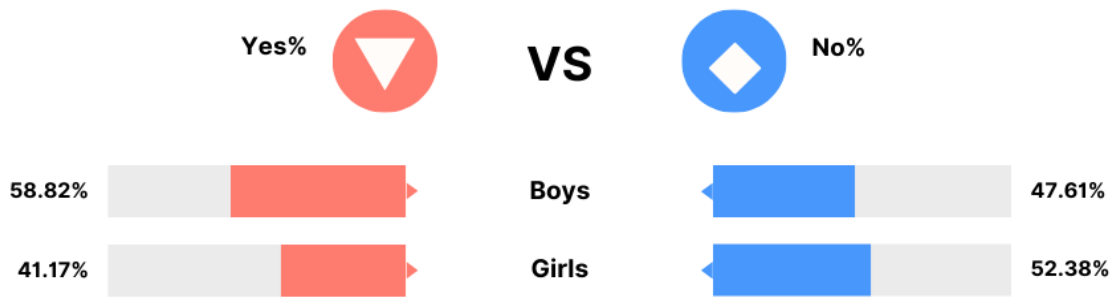


Figure 6

As shown in Figure-6 , 58.82 of the boys and 42.17 of the girls said Yes they are using chat GPT for information or for the purpose of Academic support.47.61 of the boys and 52.11 of the girls said No they are not using chat GPT for information or for the purpose of academic support. It reveals majority of the boys are using chat GPT for information or for the purpose of Academic support which is 58.82 and majority of the girls are not using chat GPT for information or for the purpose of Academic support. It reveals majority of the boys are using chat GPT for information or for the purpose of Academic support which is 58.82 and majority of the girls are not using chat GPT for information or for the purpose of **Academic support which is 52.38.**

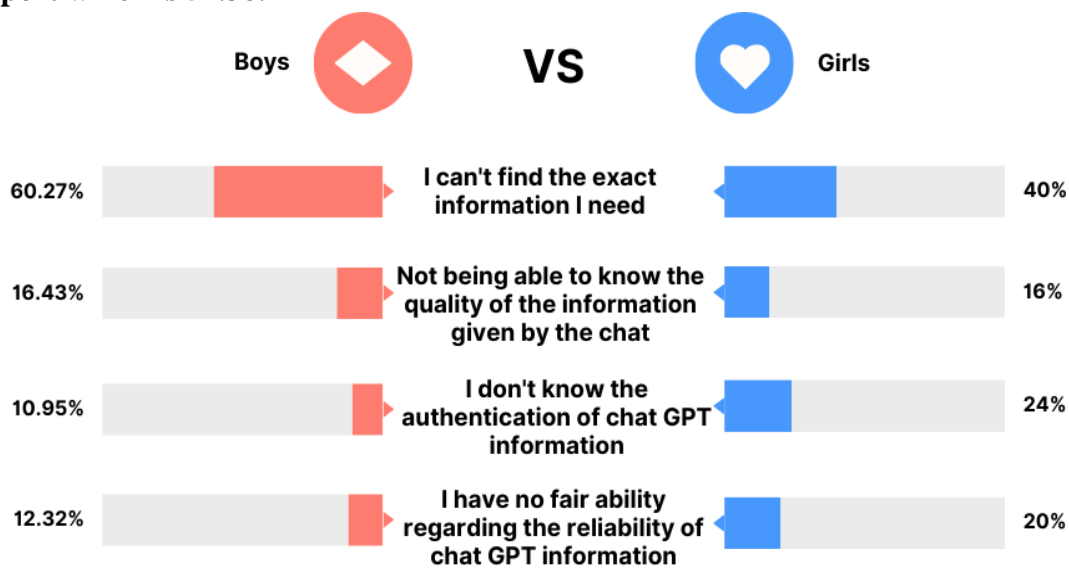


Figure 7 Chat GPT Accessibility

Figure-7 presents about the rather use chat GPT or visit the library in the above mentioned items. 60.27 of the boys and 40.00 of the girls said I can't find the exact information I need rather use chat GPT or Visit the library.16.43 of the boys and 16.00 of the girls said Not being able to know the quality of the information given by the chat rather use chat GPT or Visit the library.10.95 of the boys and 24.00 of the girls said I don't know the authentication of chat GPT information. 12.32 of the boys and 20.00 of the girls said I have no fair ability regarding the reliability of chat GPT information. Rather use chat GPT or visit the library. It came to know that the majority of the boys and girls said **I can't find the exact information I need** only.

### Chat GPT is more practical

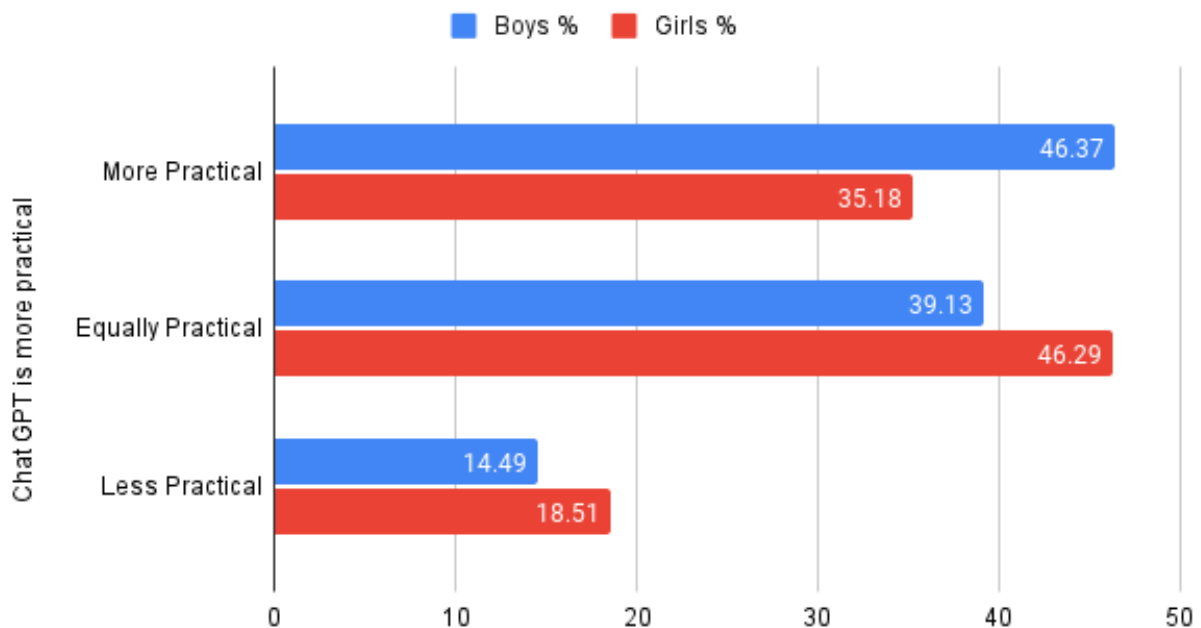


Figure 8

As indicated in the above Figure-8 about the students' practicality with chat GPT.46.37 of the boys and 35.18 of the girls said More Practical when they are using chat GPT. 39.13 of the boys and 46.29 of the girls said Equally Practical when they are using chat GPT. 14.49 of the boys and 18.51 of the girls said Less Practical when they are using chat GPT. The study revealed that the majority of boys and girls said **More Practical** only

### Enhancing Information Accessibility with ChatGPT

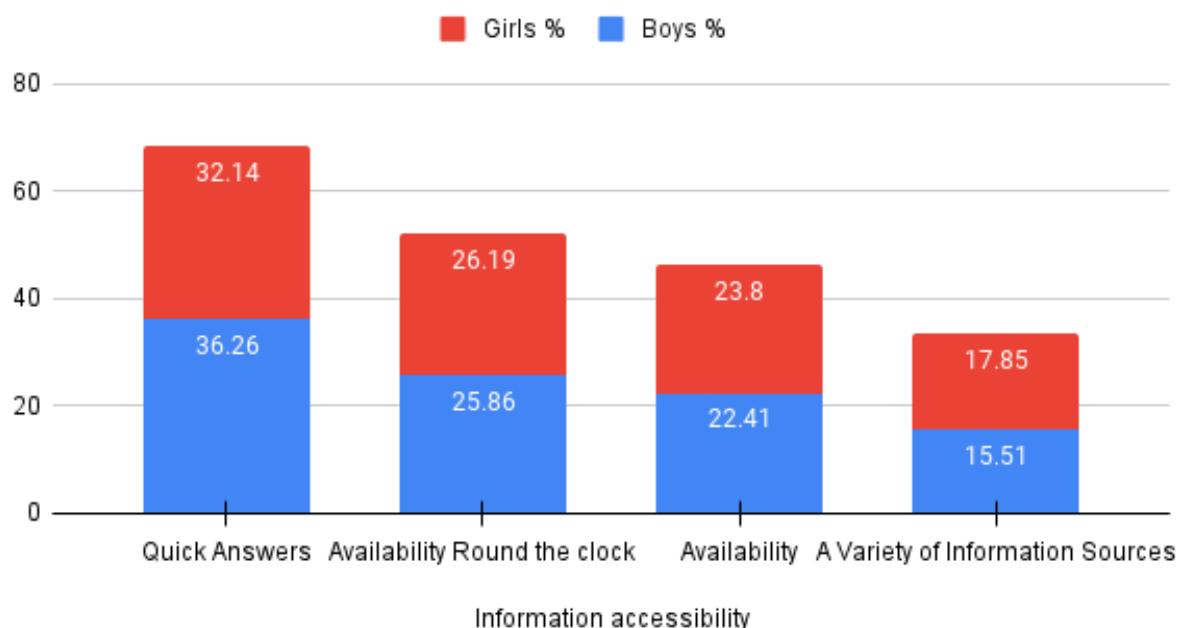


Figure 9



Figure-9 shows the ways chat GPT improves information accessibility. 36.14 of the boys and 32.14 of the girls said the way Chat GPT improves information accessibility is Quick Answers. 25.86 of the boys and 26.19 of the girls said the ways Chat GPT improves information accessibility is availability round the clock. 22.41 of the boys and 23.80 of the girls said the ways Chat GPT improves information accessibility is availability. 15.51 of the boys and 17.85 of the girls said the ways Chat GPT improves information accessibility is A Variety of Information Sources. It is noticed that the majority of boys and girls said the way Chat GPT improves information accessibility is **Quick Answers** only

### Limitations of ChatGPT

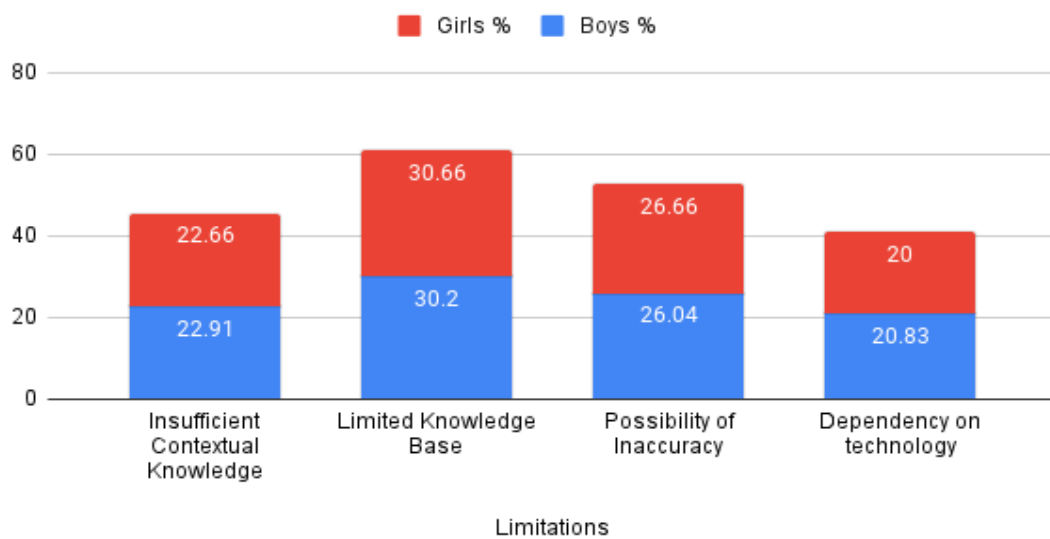
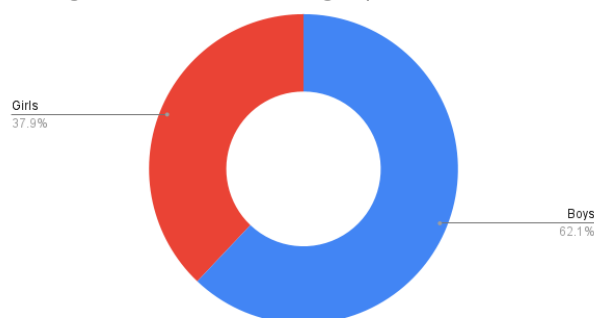


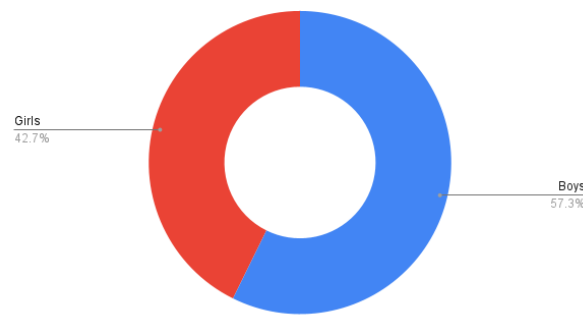
Figure 10

According to the results presented in figure-10, 22.91 of the boys and 22.66 of the girls said about the limitations of the chat GPT is Insufficient Contextual Knowledge. 30.20 of the boys and 30.66 of the girls said about the limitations of the chat GPT is Limited Knowledge Base. 26.04 of the boys and 26.66 of the girls said about the limitations of the chat GPT is Possibility of Inaccuracy. 20.83 of the boys and 20.00 of the girls said about the limitations of the chat GPT is the Possibility of Inaccuracy. 20.83 of the boys and 20.00 of the girls said about the limitations of the chat GPT is dependent on technology. It is observed that the majority of boys and girls said about the limitations of the chat GPT is **Limited Knowledge Base** only.

### Utilising ChatGPT's Virtual Learning Capabilities - No %



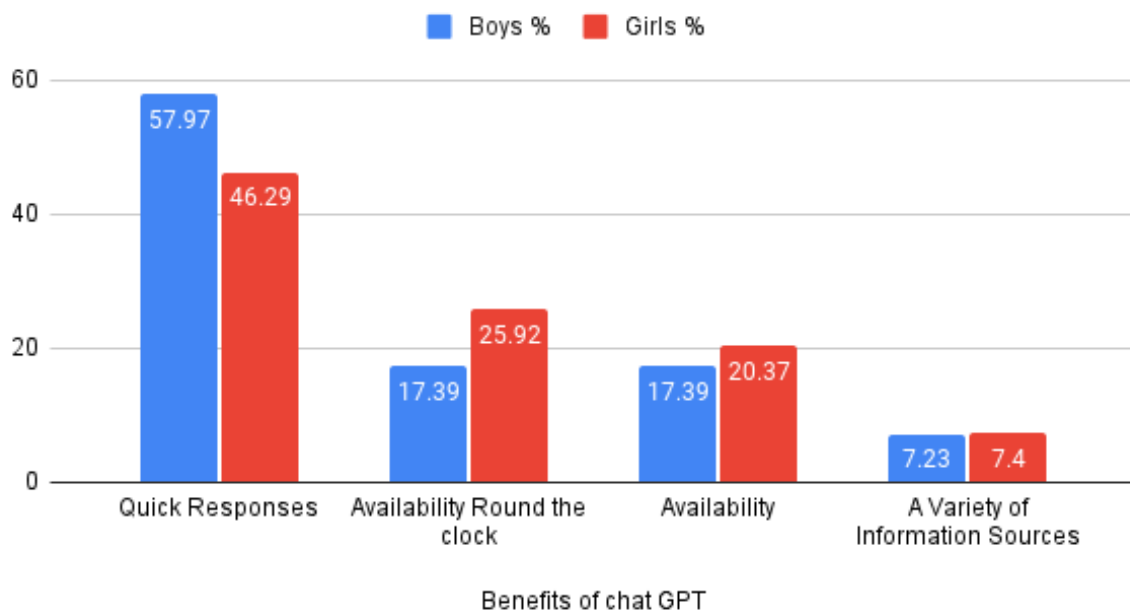
Utilising ChatGPT's Virtual Learning Capabilities - Yes %



**Figure11 Utilizing ChatGPT's Virtual Learning Capabilities**

The above figure-11 shows the use of chat GPT for virtual learning. 57.30 of the boys and 42.69 of the girls are saying Yes they are using chat GPT's for Virtual Learning. 37.93 of the boys and 57.06 of the girls are saying No they are not using chat GPT's for Virtual Learning. It came to know that the majority of boys and girls said **Yes** they are using chat GPT's for Virtual Learning.

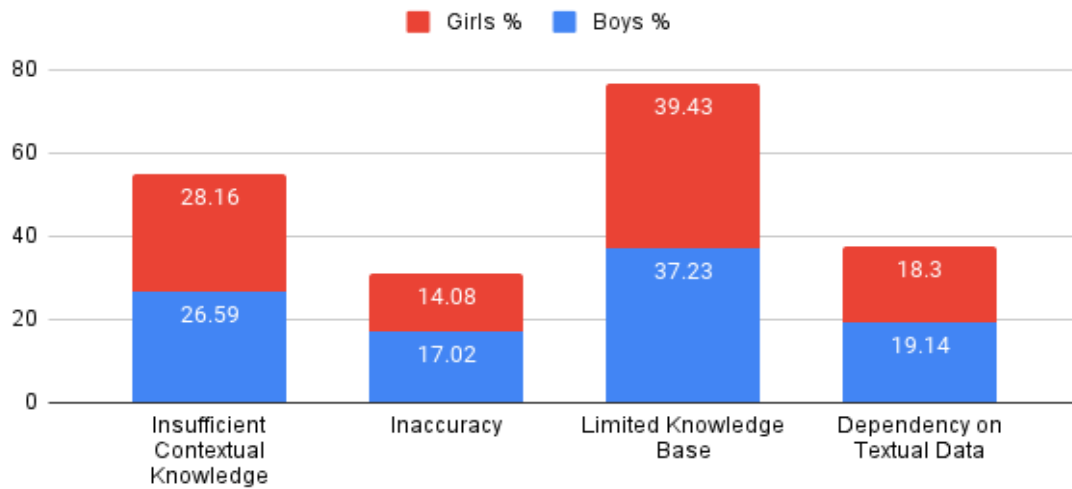
### Unlocking Academic Support: The Benefits of ChatGPT



**Figure 12**

The results in figure-12 display the benefits of chat GPT for academic support. 57.97 of the boys and 46.29 of the girls derived benefits from chat GPT is Quick Response for Academic support. 17.39 of the boys and 25.92 of the girls derived benefits from chat GPT is Availability Round the clock. 17.39 of the boys and 20.37 of the girls derived benefits from chat GPT is availability. 7.23 of the boys and 7.40 of the girls derived benefits from chat GPT is A Variety of Information Source. It is identified that the majority of boys and girls derive benefits from chat GPT is **Quick Responses** only.

### Limitations of ChatGPT for Academic Assistance

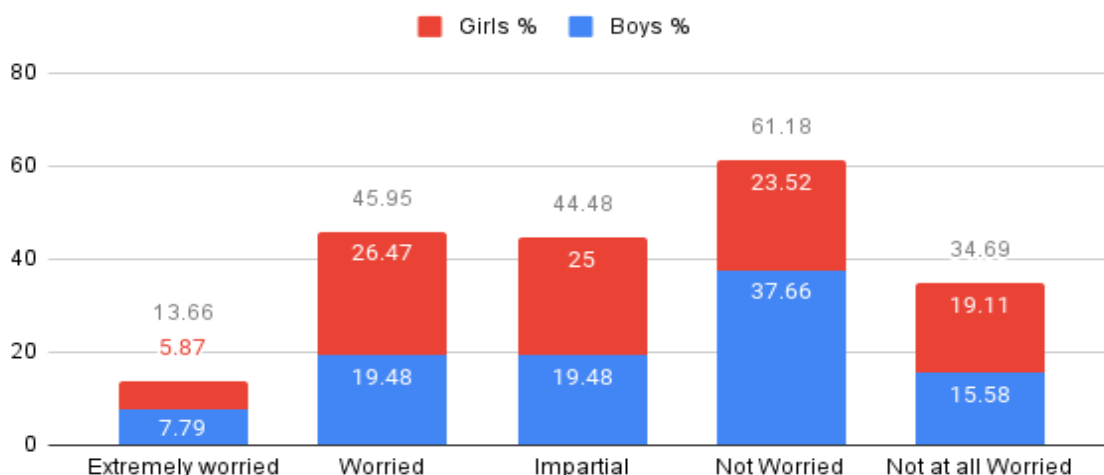


Limitations of Chat GPT

Figure 13

Figure 13 shows the Limitations of Chat GPT for Help with Academics. 26.59% of the boys and 28.16% of the girls said that the Limitation of Chat GPT for Help with Academics is Insufficient Contextual Knowledge. 17.02% of the boys and 14.08% of the girls said that the Limitation of Chat GPT for Help with Academics is Inaccuracy. 37.23% of the boys and 39.43 of the girls said that the Limitation of Chat GPT for Help with Academics is a Limited Knowledge Base. 19.14% of the boys and 18.30% of the girls said that the Limitation of Chat GPT for Help with Academics is Dependency on Textual Data. The majority of boys and girls said that the Limitation of Chat GPT for help with Academics is a **Limited Knowledge Base** only.

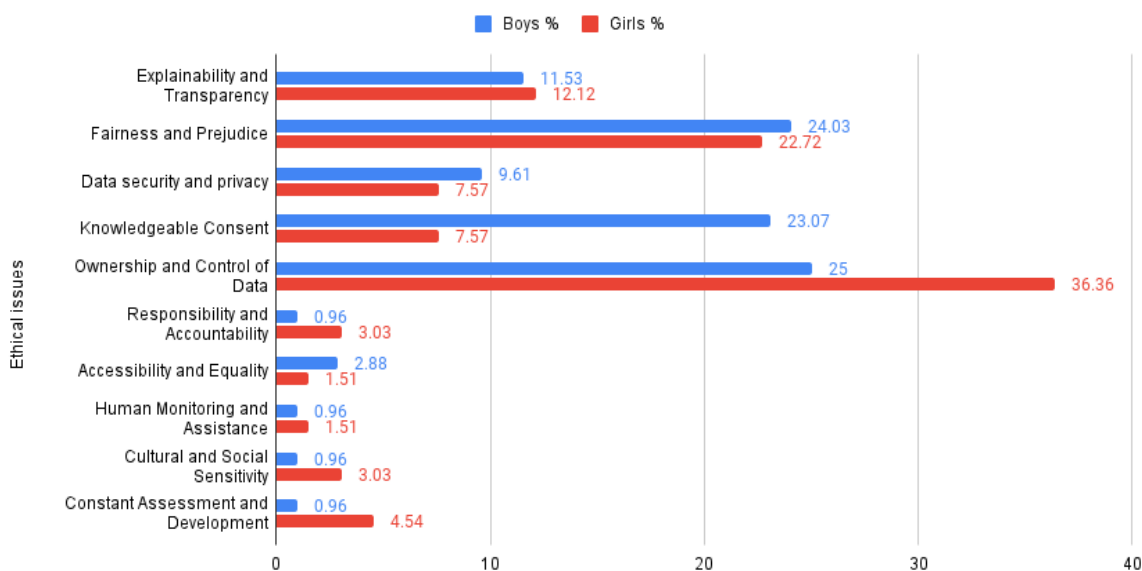
### Privacy Concerns Surrounding ChatGPT



Privacy

Figure 14

Figure-14 explains worry about privacy of chat GPT. 7.79% of the boys and 5.87% of the girls said extremely worried about privacy. 19.48% of the boys and 26.47% of the girls said Worried about privacy. 19.48% of the boys and 25.00% of the girls said Impartial about privacy. 37.66% of the boys and 23.52 of the girls said Not Worried about privacy. 15.58% of the boys and 19.11% of the girls said Not at all Worried about privacy. It is noticed majority of boys said Not Worried but girls said they are worried about privacy.



**Figure 15**

Figure 15 tells us about Ethical issues relating to chat GPT. 11.53% of the boys and 12.12% of the girls said that ethical issues are concerned with Explainability and Transparency. 24.03% of the boys and 22.72% of the girls said that ethical issues are concerned Fairness and Prejudice. 9.61% of the boys and 7.57% of the girls said that ethical issues are concerned Data security and privacy. 23.07% of the boys and 7.57% of the girls said that ethical issues are concerned Knowledgeable Consent. 25.00% of the boys and 36.36% of the girls said that ethical issues are concerned Ownership and Control of Data. 0.96% of the boys and 3.03% of the girls said that ethical issues are concerned Responsibility and Accountability. 2.88% of the boys and 1.51% of the girls said that ethical issues are concerned Accessibility and Equality. 0.96 of the boys and 1.51% of the girls said that ethical issues are concerned Human Monitoring and Assistance. 0.96 of the boys and 3.03% of the girls said that ethical issues are concerned is Cultural and Social Sensitivity. 0.96 of the boys and 4.54% of the girls said that ethical issues are concerned Constant Assessment and Development. It is noticed that the majority of the boys and girls said that ethical issues are concerned

**Ownership and Control of Data.**

**FINDINGS:**

- ❖ Boys are the dominant group which is 56.09 among the total strength of IIIT, who are using chat GPT.
- ❖ The study reveals that boys are occupied first place than girls, which is 81.15
- ❖ The study noticed that among the boys and girls only Computer engineering boys 65.21 are dominated group than girls who are using chat GPT for their transactions.

- ❖ It is noticed that the majority of boys attend the library only occasionally, which is 81.15.
  - ❖ The study came to know boys are dominating the girls for the use of chat GPT and other AI related tools which is 56.77 and girls are dominating the boys in the context of they are not using chat GPT and other AI related tools which is 60.00.
  - ❖ The study reveals majority of the boys are using chat GPT for information or for the purpose of Academic support which is 58.82 and majority of the girls are not using chat GPT for information or for the purpose of **Academic support which is 52.38.**
  - ❖ The study came to know that the majority of the boys and girls said **I couldn't find the exact information I needed** only.
  - ❖ The study revealed that the majority of boys and girls said **More Practical** only
  - ❖ The study noticed that the majority of boys and girls said the way Chat GPT improves information accessibility is **Quick Answers** only
  - ❖ The study observed that the majority of boys and girls said about the limitations of the chat GPT is **Limited Knowledge Base** only.
  - ❖ The study came to know that the majority of boys and girls said Yes they are using chat GPT's for **Virtual Learning.**
  - ❖ It is identified that the majority of boys and girls derive benefits from chat GPT is **Quick Responses** only.
  - ❖ The majority of boys and girls said that the Limitation of Chat GPT for Help with Academics is a **Limited Knowledge Base** only.
  - ❖ The study noticed majority of boys said Not Worried but girls said they are **worried** about privacy.
  - ❖ The study noticed that the majority of the boys and girls said that ethical issues are concerned **Ownership and Control of Data.**
- Suggestions:** Suggestions and recommendations are not received from IIIT students.

## CONCLUSION:

That GPT could be a boom, but the library is a boon to human society. ChatGPT isn't a game changer, but the library could be a game changer at all times. Rather than considering GPT as a whole-world-destroying move towards a long-standing time, we ought to center on how we are able to make the finest out of it. Presently, the day's innovation is evolving fast, and we are the individuals living in the future. Rather than blocking and forbidding this modern innovation, we ought to work with its bewildering capacity to progress, compose and inquire about. AI has the potential to enormously help us in each walk of life. It is imperative to note that AI isn't a substitution for human imagination and basic considering. AI can offer assistance with mechanics, but it can't supplant the one of a kind plan and experience that a human can bring to their work. AI calculations and machine learning are here to remain, and it is our duty to suit them with ideals. **Boys played dominant role than girls in this study.** Further studies could be conducted to see changes in states of mind and encounters over time as under studies gotten to be more recognizable with Chat GPT. Examining the effect of Chat GPT on students' scholastic execution seem offer assistance decide whether its utilization leads to moved forward or decreased results.

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