Awareness And Utilization Of Chatgpt By The S.V. University Students: A Study

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ABSTRACT: Today's artificial intelligence is one of the important and newest concepts to learn and research. In artificial intelligence one of the most important and latest innovations is ChatGPT. The objectives of this research paper is awareness and utilization of ChatGPT by the university students. This study used survey method and randomly collected students responses from with google forms. A sample size of 50 representing different responses to these interactions with ChatGPT. And from the result there was a positive response about using of ChatGPT. The study suggests that the usage of ChatGPT can increase students motivation to learn. These findings highlight the potential benefits of AI tools like ChatGPT in improving students learning experience and motivating them to learn.

INTRODUCTION

Technology changes many aspects of human life. Daily life patterns have changed greatly since 2019 due to the emergences of enormous technologies. Shopping process, note-taking patterns from friends' chats or notes on cell phones, asking questions patterns to find the truth, such as asking through search engines like Google, Bing and Yahoo are the example of technology development. Classroom learning also changes very differently and it utilizes diverse media. The use of internet, smart TVs and Liquid Crystal Displays (LCD) becomes easy; the process of information searching using the internet and smart devices is very familiar.

The utilization of immersive media in education has a great advantage to optimize various human senses. Multimedia presented in learning tends to handle two senses only by using two communication channels (audio & visual) from the five human senses. This limits the potential for learning efficiency. At the same time, modern immersive technology allows the use of not only visual and audio media but also olfactory and haptic media. Immersive Technology, for example, in human body recognition material, students can learn about the human bodies and their functions by seeing digital images directly in real people and highlighting the location of the part of human bodies. Therefore, it can lead to different learning patterns for students. The lecturers should recognize that reality. They have to update their teaching method, improve their skills in technology, and understand the character of their learning. The most important concern behind this research is the low level of students' critical thinking resulted by technology development. Critical thinking is very necessary for students because it helps them making mature and wise decisions, as well as developing soft skills for their career. Critical thinking can help students become more open-minded, expand thinking patterns, and be the problem solver. Related to this, the ease of technology in presenting data will have a bad impact for students in their critical thinking if it is not balanced with strict assistance from lecturers. Furthermore, the worse impact is that the students believe information presented by technology can be trusted. The focus in this study is the use of artificial intelligence (ai) Generative Pre-training Transformer or familiar with Chat GPT.

Chat GPT (Generative Pre-training Transformer) is an artificial intelligence technology that enables text-based conversational interactions. The application of Chat GPT in learning has shown various benefits, such as personalized learning, accessibility, interactive learning resources, task assistance and problem-solving tool. However, there are limitations in the use of Chat GPT, such as limited understanding, inability to replace creative works, inaccurate answer, and inability to distinguish between facts and opinions, and the need for a stable internet connection.

What is ChatGPT:

Chat GPT (Generative Pre-trained Transformer) is a language model developed by OpenAI, a research organization co-founded by Elon Musk and other entrepreneurs, in 2020. ChatGPT is a public tool developed by OpenAI that is based on the GPT language model technology. It is a highly sophisticated chatbot that is capable of fulfilling a wide range of text-based requests, including answering simple questions and completing more advanced tasks such as generating thank you letters and addressing productivity issues . ChatGPT is able to do this by leveraging its extensive data stores and efficient design to understand and interpret user requests, and then generating appropriate responses in nearly natural human language. In addition to its practical applications, ChatGPT's ability to generate human-like language and complete complex tasks makes it a significant innovation in the field of natural language processing and artificial intelligence. The concepts behind GPT are refined through a two-step process: generative, unsupervised pretraining using unlabeled data and discriminative, supervised fine- tuning to improve

performance on specific tasks GPT is able to perform a wide range of language-based tasks, including translation, question answering, and text generation.

Review of literature

Angelov et al. (2021) highlights the shocking bias against using digits in numbers within the ChatGPT community. The study's author finds that the most popular number generated by ChatGPT is also the most popular in human preference, suggesting a substantial correlation between the two. ChatGPT has advantages and disadvantages as a conversational agent, which he details.

Boateng & Tindi (2022) explored the potential outcomes of AI's classroom introduction. The research used phenomenology, a qualitative method that assessed participants' viewpoints from various fields. Conclusions suggest that introducing AI into the classroom will bring various benefits and drawbacks for students and teachers. Some suggestions about how to best utilize AI and avoid any pitfalls it may present are provided. Although most of those polled express optimism about AI, some educators and researchers are worried about what it could mean for the profession. However, engineers see AI as a tool to improve quality and benefit everyone in the education sector. At the same time, lawyers and jurists are more concerned with the legal foundations for AI in education and potential problems.

Purpose of the study

The purpose of this study is to explore the factors influencing university students' acceptance of ChatGPT as a regular assistance tool and to assess their awareness of its usage from various angles. The study aims to gain insights into the effects of ChatGPT on users' daily lives and provide valuable insights into the potential benefits and challenges associated with implementing ChatGPT in an educational context.

Objectives of the study:

1. To know the awareness and utilization of chat Gpt by the university students.
2. To identify the purpose of using chat Gpt by the students.
3. To evaluate students perception towards chat Gpt.
4. To know the benefits of using of chat Gpt.
5. To identify the problems of using chat Gpt.

Scope and Limitation of the study:

This study covers students of Sri Venkateswara university Arts College, Tirupati, Andhra Pradesh. The Researcher found a little hardship while collecting the data since the students were busy with class work activities. The information provided by the respondents is deemed to be true and on the basis of which analysis has been made. This study is mainly on social orientation.

Methodology:

The basic research method adopted in the present study was the survey method. As there are many methods used in survey methods to collect data like observation, interview and questionnaire, the present study is based on survey method to collect data from the Sri Venkateswara University Arts college in Tirupati. Comprehensive and structured questionnaire was developed by the researcher in consultation with the research supervisor for the purpose of this study. The questionnaire was to collect the data from the students. This used data set from randomly collected students' responses from Google forms, with a sample size of 50 representing different responses to their interactions with ChatGPT. This research employed the data randomly collected from Sri Venkateswara University. ChatGPT usefulness, motivation, and engagement in digitalizing the learning process.

Data analysis and interpretation

Table 1: Gender wise distribution

The above shows gender wise distribution of respondents

gender	No. of respondents	In percentage
Male	47	94%
Female	3	06%
Total	50	100%

Table 1 shows that 47(94%) of the respondents are male and remaining 3(6%) are female. Hence it may conclude that majority of the respondents are male.

Table 2. Awareness of ChatGPT

This table shows that Awareness of chat GPT

Awareness	No. of respondents	percentage
Yes	50	100%
No	-	00
total	50	100%

Table 2 depicts that 50(100%) of the respondents are having aware on ChatGPT. Hence it may conclude that all of the respondents are aware of ChatGPT.
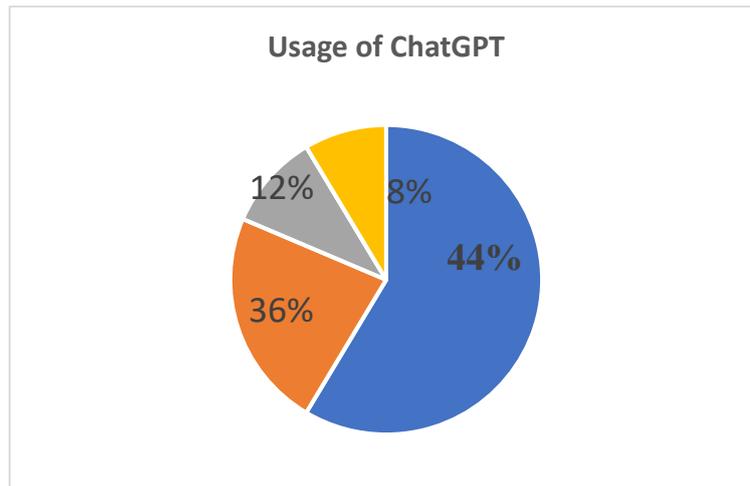
Figure-1: Usage of ChatGPT

Figure-1 depicts that 22(44%) of the respondents are using for one year and 18(36%) of them using for six months, 6(8%) are for three months and rest of 4(8%) are others. Hence it may conclude that majority of the respondents are using ChatGPT for one year.

Table 3: Inspiration to use ChatGPT

This table shows that the inspiration of using Chat GPT

Persons	No. of respondents	percentage
Friends	27	54%
Teachers	10	20%
Social media	11	22%
Any others	02	4%
Total	50	100%

Table-3 explores that most of the respondents 27(54%) are known ChatGPT from friends and 10(20%) are from teachers, 11(22%) are from social media and rest of the 2(4%) from others. Hence it may conclude that most of the respondents are inspired from friends to use ChatGPT.

Table 4: Format for usage of ChatGPT

Types	No. of respondents	percentage
By speaking	17	34%
By typing	27	54%
others	06	12%
Total	50	100%

Table-4 indicates that majority of the users 27(54%) are using ChatGPT by typing followed by 17(34%) by speaking, remaining respondents 6(12%) are using other types to access the ChatGPT. Hence it may conclude that most of the respondents are using ChatGPT by typing method.

Table 5: Work of ChatGPT

Work of ChatGPT	No of respondents	percentage
I don't know anything about it	0	0
I have heard the name but don't know much else	0	0

I know it is an AI system that can generate human like text	20	40%
I am very familiar ChatGPT and how it works	30	60%
total	50	100%

Table-5 shows that 20(40%) of the respondents are says that know about the chat GPT is an AI system that can generate human like it anything about the ChatGPT, followed by 30(60%) of them are very familiar ChatGPT and how it works. Hence it may conclude that most of the respondents are very familiar about ChatGPT.

Table-6: Main reasons for using ChatGPT

Reasons	No. of Respondents	percentage
Answering the questions	23	46%
Doing assignments	13	26%
Conversation & providing explanation	7	14%
Generating the content	7	14%
total	50	100%

Table-6 depicts that most of the respondents 23(46%) are using ChatGPT for answering the questions and 13(26%) are for doing assignments, 7(14%) are for conversation & providing explanation and remaining 7 (14%) of the respondents are using ChatGPT for generating the content. Hence it may conclude that most of the respondents are using ChatGPT for answering the questions.

Table-7: Benefits of ChatGPT

benefits	No of Respondents	percentage
It can provide personalized explanations & feedback	17	34%
It allows students to access easily	23	46%
It frees up more of students time	10	20%
Others	0	0
Total	50	100%

Table-7 explores that 17(34%) of the respondents says that ChatGPT provide personalized explanations and feedback, followed by 23(46%) are for it allows students to access more easily,10(20%) of them for it frees up more of students time. Hence it may conclude that most of the respondents are says that ChatGPT is allows students to access easily.

Table-8: Importance of ChatGPT

Statements	No of respondents	Percentage
It requires no human input to functions	15	30%
It is capable of truly understanding concepts	18	36%
It can provide helpful information but has limitations	17	34%
It is dangerous and should not be used in education	-	-
Total	50	100%

Table-8 shows that 15(30%) of the respondents are saying the statement 'it requires no human input to functions, followed by 18(36%) are given it is capable of truly understanding concepts, remaining 17(34%) of the respondents are agreed for it is dangerous and should not be used in education. Hence it may conclude that majority of the respondents are stated that ChatGPT is capable of truly understanding concepts.

Table 9: plagiarism relation with ChatGPT

Relations	No of respondents	percentage
Letting ChatGPT writes assignments	14	28%
Citing ChatGPT to use information from it	18	36%
Using ideas from ChatGPT without credit	12	24%
Asking ChatGPT to explain concepts	06	12%
Total	50	100%

The table 10 shows that 14(28%) of the respondents state that letting ChatGPT writes their own assignments, followed by 18 (36%) are citing ChatGPT when they use information from it, 12(24%) of the respondents says to using ChatGPT without any credit and remaining 6(12%) of the respondents are asking ChatGPT to explain concepts for them. Hence it may conclude that majority of the respondents are choose citing ChatGPT when they use information from it.

Table 10: Disadvantages of ChatGPT

Disadvantages	No of respondents	percentage
It lacks nuanced understanding	16	32%
It sometimes makes factual errors	21	42%
Its explanations are too basic	07	14%
All of the above	06	12%
Total	50	100%

Table-10 depicts that 16(32%) of the respondents opined regarding disadvantages 0f ChatGPT that it lacks nuance understanding and 21(42%) of them are said it sometimes makes factual errors, 7(14%) of the respondents said that its explanations are too basic, 6(12%) of the respondents agreed with all the above said statements.

Hence it may conclude that most of the respondents agreed with the disadvantage that ChatGPT sometimes makes factual errors.

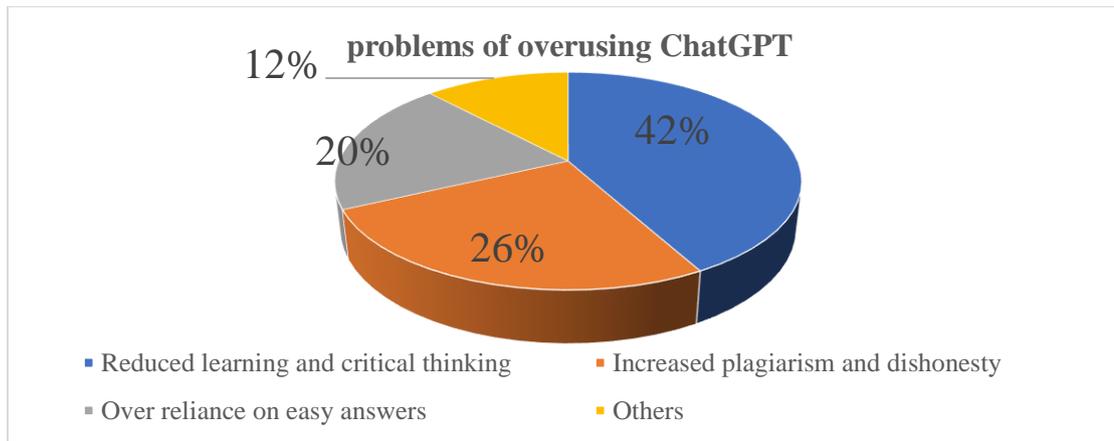**Figure-2: problems of overusing ChatGPT**

Figure-2 show that 27(54%) of the respondents are faced while using of ChatGPT is reduced learning and critical thinking and followed by 13 (26%) of respondents are faced increased plagiarism and dishonesty, 10 (20%) of them have over reliance on easy answers, for using of ChatGPT. Hence it may conclude that most of the respondents are stated that the ChatGPT reduced learning and critical thinking.

Table 11: Responses about ChatGPT for helping of digital learning

Reviews	No of respondents	percentage
Positive	30	60%
Negative	14	28%
Neutral	06	12%
Others	00	00
Total	50	100%

Table-11 depicts that majority of the respondents 30(60%) are says positive response for helping of digital learning and followed by 14 (28%) are negative, 6(12%) are neutral. Hence it may conclude that majority of the respondents are says positive review for helping of digital learning.

Table 12: Efficiency of ChatGPT

Statements	No of respondents	percentage
Agree	30	60%
Strongly agree	14	28%
Not agree	02	04%
Strongly not agree	04	08%
total	50	100%

Table-12 explores that 30(60%) of the respondents are agreed and followed by 14(28%) of them are strongly agreeing, 2(4%) are not agreed and remaining 4(8%) are strongly not agreeing for the help of the study stated. Hence it may conclude that majority of the respondents are agreed ChatGPT is more efficient.

Table 13: Purpose of using ChatGPT

Helps for students	No of respondents	percentage
Plagiarized work	17	34%
The bare them minimum to complete	16	32%
Starting ideas and outlines	15	30%
Final polished submissions	02	04%
total	50	100%

Table-13 shows that 17(34%) of the respondents are said that plagiarized work, 16(32%) are felt that the bare them minimum to complete and followed by 15(30%) of the respondents are starting ideas and outlines, remaining 2(4%) are said that final polished submissions are the helps from ChatGPT to students. Hence it may conclude that the most of the respondents are choose plagiarized work that help of ChatGPT for students.

Table 14: Type of device to use ChatGPT

devices	No of respondents	percentage
laptop	12	24%
mobile	32	64%
Digital library	05	10%
Any others	01	02%
total	50	100%

The table-14 explores that most of the users 32(64%) are using mobile and 12(24%) of them using laptop,5(10%) using digital library and the 1(2%) is using others to access the ChatGPT. Hence it may conclude that most of the respondents are using ChatGPT with mobiles.

Findings and Conclusion

The present study has attempted to know about the A study on use and Awareness of ChatGPT by Sri Venkateswara University students: Tirupati. It presents a broad over-view of the use of Internet, social media and most important is Artificial Intelligence. The study examines in detail the ChatGPT services in Sri Venkateswara University students opinions.

Findings:

➢ Majority of the 47(94%) respondents are male and remaining 3(6%) are female.

➢ Sent percentage of the respondents are aware of ChatGPT.

➢ Majority of the respondents are using ChatGPT for one year.

➢ Most of the respondents are inspired from friends to use ChatGPT.

➢ Most of the respondents are using ChatGPT by typing method.

➢ Majority of the respondents are very familiar of ChatGPT and how it works.

➢ Most of the respondents are using ChatGPT for answering the questions.

➢ Most of the respondents are opined that ChatGPT provides personalized explanations and feedback.

➤ Majority of the respondents are stated that ChatGPT is capable of truly understanding concepts.

➤ Majority of the respondents stated that ChatGPT allow students to access more easily.

➤ Most of the respondents are agreed with the disadvantage called sometimes makes factual errors.

➤ Most of the respondents are stated that the ChatGPT reduced learning and critical thinking.

➤ Majority of the respondents are stated that positive review for helping of digital learning by using of ChatGPT.

➤ Majority of the respondents are agreed for the statement.

➤ Most of the respondents are stated that ChatGPT is very efficient.

➤ Most of the users 64% are using ChatGPT over mobile and 24% of them using over laptop.

Conclusion:

Artificial Intelligence (AI) has made significant progress in recent years and is being used in various industries and applications. In the education sector, AI has the potential to transform education by improving teaching and learning experiences, customizing education, streamlining administrative duties, and opening up new research avenues. AI technology, such as intelligent tutoring systems like Chat GPT, can assist students in writing assignments, providing feedback and revision guidelines, and enhancing their learning process. The study also revealed that the usage of Chat GPT had a positive significant impact on students' learning motivation. In conclusion, the study suggests that the usage of Chat GPT can increase students' motivation to learn. However, other factors such as teacher influence and the learning environment also play a role in students' motivation. These findings highlight the potential benefits of AI tools like Chat GPT in improving students' learning experiences and motivating them to learn.

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