

IMPLICATION OF ARTIFICIAL INTELLIGENCE FOR LANGUAGES, LITERATURE AND CULTURES

SUB THEME: AI-GENERATED LITERATURE AND CREATIVE WRITING

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Abstract

This research paper reviews the effects of Artificial Intelligence for languages, literature and culture from various angles. The paper begins with exploring AI, Literature, language and culture individually and then advances further, with the pros of AI for language, literature and culture. It also deals with the negative aspect of AI, such as the addictive nature, habitual patterns, mental instability, loss of creativity, degradation of literature and many more. Through this paper, one can gain insights about the need of maintaining a fine balance in the use of AI, through the solution-oriented conclusion, and finally decide thyself that “whether to just go with the flow of trend and AI or elevate thy intellectual pursuit.

Keywords: Artificial intelligence, AI and Literature, AI and language, AI and Culture, AI generated literature, AI generated creative writing, addictive nature, Mindfulness.

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What is Artificial Intelligence?

21st century, the age of information, science and technology has witnessed, the invention of super computer, 5G networks, robots, and many more but the most superior of all, is Artificial Intelligence. Artificial intelligence in itself stands out and is the greatest of all human inventions. Artificial intelligence is such a tool that can do any task in just one say, may it be a problem-solving task, preparing a power point presentation, or generating any sort of literature or even, explaining and altering the existing literature.

Literature – A process of Evolution

Literature has evolved right from the poetry of Chaucer, the writings which were hidden gems in itself, to the Shakespearean tragedy, unique of its own kind, compelling people to stop, think and reflect, where characters were born out of the mind and not created artificially, a few of such brilliant examples are:- “To be or not to be, that is the question?” – Hamlet (William Shakespeare)

This very line, raises questions and curiosity into the minds of the readers, and sends them on a voyage of self-analysis and understanding. But today, Literature is taught, read and understood with the help of AI. In fact, literature is being generated by AI, and that AI generated Literature has no competition with the self-written literature.

“I am a man more sinned against than sinning” – King Lear (William Shakespeare)

“All the worlds a stage, and all men and women, merely players, with their entries and exits.” As you like it (William Shakespeare)

The above mentioned few examples, symbolizes that literature, is not just meant to be studied but meant to grasp valuable jewels of knowledge from it. Literature is not just meant to be written but it is a process of highly spiritual state of mind, that generates prominent and reflective literature considering the needs of the society, and the AI generated Literature would definitely not have that personal touch and the brilliant mind for evolving great stories, poetry and plays.

Literature has evolved right from the charismatic and scenic romanticism of poetries by Wordsworth, creating a natural effect in the readers mind to the metaphysical age of Donne, marked for its rationality and intelligence of that time.

“Earth has not anything to show more fair: dull would he be of soul who could pass by” Upon Westminster Bridge (William Wordsworth)

“Death be not proud tho some have called thee mighty and dreadful, for thou art not so.” Death be not proud (John Donne)

Who would miss out of reading such wonderful poetries, and even after reading such epitome of poetries, who would want to still take a chance of creating content, literature and poetry via Artificial intelligence and not of his own? The “Aum Golly Series- poems on Humanity”, is a series of AI generated Literature, authored by Jukka Aolha, GPT-3 and ChatGPT. Here’s a glimpse of a poem from the book: -

If kite flew like boomerangs,
And all the stars were made of glass
The moon’s face was a silver mask
And the sun a golden apple
And I saw a storm of diamonds
Sow the sky with light

I saw a river of stars

Dance down the night

I saw a hundred flying horses

Streaming through the sky

This is an AI generated poem, indeed it good, but doesn't fit in the description of being called a poetry. AI generated literature definitely may save lots of time of the author, and even be creative at the same time but it has downtrodden the rich and royal quality of Literature existing from ages.

Literature has evolved from the Victorian age to colonialism, citing the evils and hardships of those under the colonial rule. Literature has evolved right from modernism, and satire to post-colonial literature, that portrayed the spirit of nationalism and the effects left behind by the alien rule.

Thus, literature isn't just a piece of work but highly intellectual thoughts, giving birth to stories, tales, verses, and characters. Literature is evolution of language, and a medium to propagate culture among the masses and worldwide. Literature, is the creativity of the authors own mind, it is an exceptional and spiritual practice. And today when the world is heading towards technological advancements through Artificial intelligence as its force, does, language, literature and culture has a room of its own? Or are they too driven by this pragmatic force?

Language – Bridge or Barrier?

When we talk of this wide world, one where homo sapiens dwell, and not one where the world-wide net has its rule, consist of multiple languages, where people are connected by similar characteristics but separated by language. Thus, in a world without internet, and AI language is a barrier, but todays AI driven world has made language a bridge to connect, to communicate and to overcome the hurdle of barriers due to difference in language.

Language is a mean of communication, and a part of our day-to-day life. In India alone hundreds of languages are spoken differing from state to state and region to region, thus, imagine what splendid number of languages this world must contain. Learning a language in olden days use to be a privilege but today to the youths it has become sort of a burden. Few of the oldest languages like, Sanskrit, Pali, Latin, Greek, etc seem to be extinct now, as hardly anyone knows them and are only cherished through the literary works dating centuries and ages back. But thanks to AI, that it has preserved in its nut like space the oldest and on the edge of extinct languages for the future generations to hear and know of. Even before a school going child learn to write, he/she learns to speak a language, a native language of his/her own.

Culture – Exchanged, Influenced or intact?

In culture lay the roots of one's origin, language and literature. Culture is something that is destined for one before birth. Culture organizes the norms and values of a family, society, community and Nation on a larger scale; thus, culture is invaluable, and meant to be preserved and kept intact. But, in the era where the world is connected through internet, where language no longer is a barrier, where the web of social media and AI pertain, can the culture in such an era be kept intact? Lately, it is seen that the western culture is highly influencing over to the east and rest of the world, including India. But the irony is such that even the western culture itself isn't intact but a mere changed and highly altered form of culture as per the comfort of the Genz and the same is being propagated through pictures, photos, videos, and reels on various social media sites like, Facebook, Instagram, twitter, etc. And this spread of altered cultures, is born out of the womb of Artificial Intelligence, which is being exchanged for the cost of misleading the future generations.

Cultural exchange is something to be appreciated and insisted to be done, as it helps develop better inter border relations among the nations and help bond the nations separated geographically but united through thoughts, and value. The best example of cultural exchange is the student exchange program, where for example a student from India goes abroad for education to another

university, say Oxford university and a student from there comes to India, this is a source of developing international relationships through the means of education, trade, and commerce. But exchanging culture over internet, through social media and AI, puts one at high risk of being misled.

Implications of Artificial Intelligence, for Language, Literature and culture – Boon or a curse?

Implication refers to the effect that something will have on something else in the future. Thus, while studying the implication of Artificial Intelligence on language, literature and culture, has got two aspects, just like a coin has two sides. One aspect portrays the positive side, thereby implying a boon, a blessing, whereas the other is as good as a curse to be. As it depicts the negative implication in the long run.

AI and Language- Pros: -

Translations – Artificial Intelligence has enabled the feature of easy translations of a language into another within minutes. For example, one can now easily translate the text of Marathi language into French, Spanish, or any other language and vice versa. AI has made the practice of communication and translation of works, documents, and projects easier and more affordable for the educators, translators, and professionals to carry on their work across the borders. For example- Say a lawyer who is practicing in a foreign country but belongs to and is educated from some other country, AI can within seconds do the job of translation making the work seamless, and saving the cost of hiring a translator.

World Wide Availability of holy and ancient texts- The ancient Vedas, Upanishads, Harikatha, Bhagwat Geeta, Quran, Holy Bible, etc has become available to all in every language, whether in German or in Mandarin. These ancient texts written in ancient languages, such as Sanskrit, Greek, latin, which were not easily available to all but were a luxury only to those who knew those languages are now generated and open for all and thanks to AI

for making the translations possible and connecting the ancient texts and languages to the present.

Learning Languages- Artificial Intelligence has facilitated the language learning journey to everyone and made it a more fun and hassle-free task for students, educators and those interested in learning a new language. For most of us have to learn and select a language in schools and colleges, appear for exams and pass them. But certainly, due to lack of grasping the language with the flow of class, or due to lack of finding good coaching for language learning, it becomes quite a task and one begins to lose interest from it. And for some it is difficult to fetch time to learn a completely new language. So, for them, AI is a one stop solution, it has made learning language, in fact any language out of the 6909, distinct languages spoken around the globe an easy task. And since, one can learn language sitting at home, café, library or even in car, is very feasible, convenient. Thus, AI has made language learning a time friendly process rather than a time bound one.

AI can not as such generate or create a whole new language, but definitely help to decode any sort of ancient language, making the whole of this process of learning a new language interesting and time friendly, along with being economical for every individual.

AI and Literature- Pros: -

Audio Visuals through AI- Artificial Intelligence has enabled the use of audio visuals and generate the existing literature, into the form of a story through amusing audio visuals, making it understandable to the students and educators, without even reading those lengthy pages. In today's fast forwarded world, reading lengthy books and notes often seems to be a quiet task and boring, making literature look a boring subject. But with the help of AI creating audio visual videos based on the dramas, prose, and poetry of literature, will not only enhance the knowledge of viewer but also make more interesting and easier to understand. For example- For most of the students, reading Shakespeare and understanding it is a huge task because their psychology is such that, it seems to be boring and difficult to them. But using

AI in making short audio-visual videos of Shakespearean dramas, would regain the interest and make it a piece of cake to understand.

Availability of resources at hand- AI has made ample of resources of literature available in just one click which just a decade ago, were difficult to get. AI serves like a web library, search and you have it. For example- For the students studying abroad, getting Indian Literature earlier was not easy, but today may it be "Rajmohan's wife", by Bankim Chandra Chattopadhyay, Aravind Adiga's "The White Tiger" or Arundhati Roy's "The God of Small Things" is all available at just one click.

Voice Over- AI not only, serves the resources, but itself is a resource for literature. AI also produces the voice over, needed in various, videos, or dramas to be performed based on the literature. Thus, AI is also a substitute as a voice over artist for various plays, may it be Julius Ceasar or Ramayana, AI has got it.

Economical- AI has made the whole process of learning literature quite economical, as all it requires is any electronic device, may be an apple, Samsung, laptop or desktop, subjected to the connectivity of internet, and both are available from village to village, town to town and country to country.

Time friendly- Today learning literature has become a time friendly process. It happens that we are willing to learn and read literature, but time is the factor that sits like a barrier. But now since, AI is available, one if cannot read then hear the literature through AI generated podcasts, or simply watch the audio visuals, saving ample of time of reading.

Today AI is also capable of generating Literature. That is AI can also perform the task of writing short stories, poem, plays and novels. But would AI generated Literature as brilliant as the mind of sapiens?

AI and Culture- Pros: -

Exchange of Culture- Artificial Intelligence is a hub of cultural exchange. Mouth to mouth exchange and publicity of culture is a lot of time consuming and difficult task but today with the help of AI the rich Indian Culture can be seen, heard and read all over the world. Even the cultures of other nations and states and be known and understood with the help of AI.

A Global Connect- Artificial Intelligence provides a platform for a global connect of cultures around the world, through the propagation of cultures from country to country.

Learning the Culture- in the olden days while performing some holy mantras or rituals, we use to ask our grandmothers about the proceedings, families were joint and united then. But in today's isolated world, and nuclear families, this passage of culture and sharing of rituals, mantras and remedies is on the verge of being collapsed. So, in the new and changing world, AI has molded itself into the shape of our grandmothers, because, today even while performing rituals or for knowing about the culture and for getting the answers to the specifics why and how questions, we ask AI (ChatGPT, Google, Siri).

Effects of AI on Language, Literature and Culture- The Cons: -

Lost Creativity- Availing AI for the jobs like generating Literature or creative, writing, both of which are required to contain one's own creativity, will curb the creativity of self. One's own creativity adds soul to the literature, and literature is meant to be written with one's own stories, ideas, and language, which make people think deeply, critically and in a creative manner. So, if AI begins to do this task of for us, and start generating creative ideas, stories, literature, then people would simply not think. Their brain will rust, and rot would the creativity, leading to an overall loss of the human race. AI will become superior to human brain, but one must not forget that after all AI is also a creating of human mind, so using human mind to generate literature rather than AI is always beneficial for safeguarding the proper functioning of brain and keep the creativity alive.

Addictive Nature- There's a quote of Shakespeare, from *The Merchant Of Venice*, delivered by Portia, which reads, "Superfluity comes sooner by white hair, but competency lives longer." Suggesting that excessive use of anything is harmful but if used in limit then definitely proves to be fruitful. The same goes with AI. The human brain has a mechanism, which drives it. Dopamine, also regarded as the feel-good hormone, is a hormone released into the human brain, when a particular activity, or some sort of task gives it pleasure and happiness feelings. And the more we do that thing or task, the more often is Dopamine released, making one addicted to that thing. And this mechanism works in case of AI as well, when we use AI ones, for completing any task, project, assignment or generating literature and creative writing, the results it would give are outstanding. Then the next time, we again open up our laptop and our hands turn of to use AI again, for the same task or other, then the third time our brain will again make use of AI for finishing the task, without even thinking by itself or allowing its own creativity to explore. And like wise more repeatedly, we use AI in day-to-day easy tasks which are meant to be done by self, like writing an essay or answer, the more amount of dopamine will be released making one addicted to AI. Which will directly hamper the mental well-being, damage the brain, creativity would rot, and intellect would degrade, thereby causing a complete annihilation of the great human mind. So, now that we know the effects of over usage of AI, thus, one must limit its use of AI, and in fact, use it only in the times of emergency and when it is needed for real.

Habitual Pattern- the above point mentioned the addictive nature of AI, due to its repeated usage, and another effect of the same is that, it becomes a Habitual pattern. AI becomes a part of one's day to day life and day to day task, because when we get addicted to AI, then for every small task, may it be writing a letter, or creating content, the human brain would take help of AI, and not of its own, creating habitual patterns, because writing is a day to day part, and activity of our life, which is now dominated by AI.

Mental Instability- As AI is both, Addictive, and becomes an habit, in addition, takes away our creativity from us. So, what is our mind left with?

The Mechanism of AI works in such a manner, that with its creativity and time saving mantra it enters into our work life, and the slowly into our mind, thus, as a result, our intellect begins to deteriorate, for AI has taken its place. And in return our mind which ones use to be highly intellectual now is left behind with the thoughts of depression, anxiety, FOMO, lethargy, low levels of responsiveness, degraded thinking capabilities, and unable to distinguish between right and wrong, altogether leading to mental instability.

Loss of Hard work and Passion- Those were the days, when hard work and passion prevailed, when the work was done for real terms in the colleges, offices and institution. But today technology and specifically AI has made life and work so easy that, books are replaced by laptops, office replaced by work from home, board meetings replaced by virtual meetings, and the actual work replaced by AI generated work. This drastic change, has shaped a new future, where the hard work has only remained to be a mere memory. Because today, whatever the work may be, AI does it all, it seems that the human resource is replaced by AI. For learning language, its AI, for writing a book or any creative writing, AI is used. Artificial Intelligence has reduced the number of true hard working and passionate people, because today everyone prefer AI resource above of Human resource.

Concentration Issues- When we are spending maximum number of hours working online, on laptops and desktops using AI tools, drastically, leads to a rise in our screen time, and the more time we are spending in front of the screen it affects our concentrations powers adversely. The traditional methods of study or even of working, had involvement of our brain into the activity, which made us think, reflect, use our own intellect, imagination, creativity, so our concentration skills were quite good that time. But today, since we are spending hours in front of the screen, it limits our concentrations skills due to which we cannot focus and makes one more impatient and vulnerable to get instant results.

Eye sight problem- Artificial Intelligence is a technology that require to work on a screen, may it be of a mobile phone, laptop, or desktop. And engaging

ample number of hours sitting in front of the screen causes eyesight issues and lethargy.

Contribution towards Unemployment- Extensive use of AI is creating Generational anxiety, those aged 34 and younger worry about job security. Humans were employed for jobs as a translator, to translate the text into different languages. But now that AI does the job of translator, traditional ways of translating are being extinct. Authors, writers and content creators who have huge demand for their writing skills, may also lose their jobs as AI is capable of generating literature and creative writing. Thus, the tremendous number of tasks that AI can do, might lead to a wave of unemployment in various fields.

Misleading or untrue Information- Sometime the works translated by ChatGPT might lead to blunders, like grammatical errors or wrong sentence formations, because when we are using such tools to translate the text from one language say Marathi to another language, say for example English, then the translated text is subjected to grammatical and sentences formation errors. And in such cases, those, who don't know proper and correct English are at a risk of further formulating and transferring the misguided text. The information, updated into AI has chances of being untrue, as after all it is a machine and subjected to errors or failure

Lazy and Idle Generations- Almost 80% of the GenZ population (aged 18-21) use AI tools for over half of their work task. And 40% of GenZ use AI weekly. AI has made every task so simple that the people of today's generations, who are the future of our world are highly dependent on AI, and this is making them lazy and idle, causing harm to the future of the world.

Degradation of Literature- Use of AI has highly affected the quality and content of literature. The literature produced in earlier times, the 16th to 20th century literature and even older was high level literature with extensive use of language, which is studied even in present and has no competition in today's world. AI cannot generate literature as great as the minds of humans.

Loss of real time Authors- AI generated literature has demoralized the spirit of authors to Genz to write by themselves but to make use of AI tools to generate literature, and this in turn have degraded their own skills and creative writing capabilities. So, the time has come where we can also see machines instead of humans, writing literature.

Overcoming the Implications of AI for Language, Literature and Cultures

If we look towards the positive side that AI has then it becomes really difficult to not to use AI, but when we dive into the negative aspects that AI has over our long-term journey then it might worry us. Thus, finding out a middle way proves to be a win-win situation. Hence, we cannot completely exclude AI from our lives but we can definitely limit its use, and try not to depend on it.

For over coming the effects that AI has on language can be reduced to a significant amount by using the traditional ways of learning language, that is through classroom courses of language learning, or maybe making use of a dictionary to find out meaning or translations of certain words, so this would mark our first step onto a journey of dwelling in a AI driven world without being affected in a negative way.

Moreover, it is always advisable to try to use our own intellect, while trying to write a story, article, essay, novel or any literary work, and then ones the story line is ready then taking the help of AI tools, for designing the cover, or making the text look more adorable and attractive is fine, but make sure that the whole of the idea and concept and most importantly the written content is produced by the mind and not AI, for its originality to flourish.

Practicing Mindfulness is the best key one can have. So Mindful reading, mindful writing, mindful thinking, and even mindful talking can pave way towards producing great and creative literature without the help of AI. As mindfulness is the practice of deliberately focusing your mind into the task you do presently, thus the work turns out to be the best version of itself. Hence mindful task if supported with mindfulness meditation, then it can

create wonders, along with enhancing our creativity and thinking capabilities and increasing our concentration powers. So, this method can certainly reverse the bad effects that AI can have over one's mental health.

Conclusion: In the AI driven world its impossible to totally quite the use f AI in Language, literature or culture, but keeping in mind the pros and cons one can significantly reduce the use of AI in generating literature and creative writing, and choose to stick to his/her own production of literary work and maintain the originality and creativity of language and literature. Thus, whether AI is a boon or a curse for us totally depends on the way we use it. Thus, using AI wisely can definitely prove Artificial Intelligence to be a blessing in disguise for the mankind.

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