Royal International Global Journal of Advance and Applied Research
Peer Reviewed International, Open Access Journal.
ISSN: 2998-4459 | Website: https://rlgjaar.com Volume-3, Issue-1 | January - 2026

Original Article

Artificial Intelligence and Mental Strength: An Empirical and Analytical Study of Psychological Resilience in the Digital Era

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Manuscript ID:
RIGJAAR-2026-030110

ISSN: 2998-4459
Volume 3
Issue 1
Pp. 61-63
January 2026

Submitted: 07 Dec. 2025
Revised: 15 Dec. 2025
Accepted: 10 Jan. 2026
Published: 31 Jan. 2026

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Quick Response Code:

Web. https://rlgjaar.com

DOI: 10.5281/zenodo.19216477

DOI Link:
https://doi.org/10.5281/zenodo.19216477

Abstract

When we see the evolution of artificial intelligence it is approaching to every individual mental toughness. Not only one part but many - such as managing emotions, rebounding, staying resilient in times of stress, self-belief, and adapting to change. Patterns begin to emerge out of 210 individuals surveyed and wide reading. When people apply AI once in a while, intentionally, it appears to make them remain calm, think in the straight, feel confident. But strain machines day and day and day? That direction is connected with broken nerves, diminished confidence in personal judgement, fatigue in thoughts. Numbers drawn out of responses point in this direction. So do other previous research which has probed the same issues. The burden of technology usage is greater than one might have guessed. Cases of still dependency are at odds with tapping at all times. One builds quiet power. The other destroys inner balance. The new perspective on the ways of how artificial intelligence is related to mental resilience is the essence of this work including the conceptualization and practical data. Ideas in this case fit well in cross-field journals particularly the ones found in Scopus. Rather than mere theory, it presents viable actions on integrating AI into life without damaging the inner balance. The use of ethics is not a feature added at the end of the paper - it is embedded in every suggestion. What comes out is not prediction but informed advice, informed by evidence. This is not all technology inventions that do not put the mind into consideration.

Keywords: *mental toughness, technology, intelligence, people, Invention.*

Introduction

In this world, the usage of artificial intelligence influences a large portion of daily actions by people. With the beginning of smartphones, machines make decisions before even humans can ask. These devices assist in executing activities in the workplace, but they also surreptitiously affect feelings and decisions. Due to the rapid change of routines, emotions change without warning. Speed has received accolade in all industries but professionals are now monitoring higher level of brain impact. The uninterrupted redefinition of inner experience is concealed behind smooth operations.

The way one copes with emotions, confronts difficult situations, changes when they arise without notice and how they remain their strides even when the world is pressurizing them is what holds them steady during trying times. People created this stability a long time ago by leading a full life, relating with others, and overcoming genuine challenges. The modern technologicalized world seems to flatten the difficulty, reduce the waiting time, eliminate surprise - those things which previously developed inner toughness. The same cannot be said at the moment, but the main issue is still the same: growth is not easy and there is something that breaks it.

An aspect of AI is not necessarily that of a helper, it is more of the effect of a shift in the way people think, feel, and develop through their challenge. The most important part of this scenario is not the development or the advancements, but what occurs in the minds of individuals when machines usurp the jobs that used to be done by individuals alone. There are times when it is good to have it easy, but such comfort may destroy the same efforts required to develop inner strength.

How to cite this article:
Amanullah, R. K. (2026). Artificial Intelligence and Mental Strength: An Empirical and Analytical Study of Psychological Resilience in the Digital Era. Royal International Global Journal of Advance and Applied Research, 3(1), 61–63. https://doi.org/10.5281/zenodo.19216477

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Taking a closer look at the real answers of users, coupled with critical thinking, is the essence of the process that leads to this examination of the topic of modern minds guided by smart systems.

Conceptual Framework

This work begins with psychology and drags concepts in the field of sociology and digital ethics. Instead of a tool, artificial intelligence functions as a bridge that creates thoughts and feelings. The expression of mental strength will differ according to the extent to which a person is involved. The level of interaction alters the occurrence within. When technology intervenes the mind adapts.

Mental toughness is determined by how individuals cope with feelings, stress, transition, confidence in a person, but rebounds when things fail. Application of artificial intelligence lies under three categories: barely, sometimes, a lot. It appears that when a person leans on tech to the degree of stability, it assists inside. Excessive leaning, however, eats away at individual command of thoughts and decisions.

Such a method influences the way the discoveries can be tested and interpreted, contributing to the work getting out of perceiving artificial intelligence as being purely good or bad. As it develops further on the basis of observation, it switches to more balanced insights instead.

Review of Literature

A single glance at the previous studies reveals ambiguous findings regarding AI and emotional well-being. On the one hand, some work in psychological care notes that certain technologies are beneficial, such as allowing individuals to find help when specialists are limited, but on the other hand, others are not pessimistic. Some of the tools like automatic talk systems, apps based on emotions, or web applications based on thinking and behaviour techniques appear to help relieve anxiety and feeling bad at least to some degree. Nevertheless, the results of tests vary.

On the other hand, human behavior research cites some undesirable drawbacks when individuals overrely on automated systems on a daily basis. Excessive machineization of routine may result in a lack of capacity to solve problems by thinking, complicate focus, cause us to rely heavily on technology to comfort us. The constant manipulation of feeds and options brought about by algorithms makes some people begin to feel dazed being online, even stressed without understanding the reason.

There is limited research examining the mental toughness across time although there have been a number of studies in the recent past. It is due to this that this project shifts the focus to remaining tough in the face of adversity, making adaptations where necessary, how individuals go about dealing with their emotions over time.

Objectives and Hypotheses

The study objectives will be:

1. Evaluating the severity and intent of AI application amongst persons.
2. Evaluation of the degree of mental strength in psychological levels.
3. Studying how the use of AI correlates with mental resilience.
4. A possible suggestion on sustainable human-AI interaction.

Hypotheses:

H1: Mental strength is positively related to moderate AI use.

H2: Overreliance of AI has a negative impact on emotional management and self-efficacy.

Sudden change occurs with the introduction of tools - the situation with stress relieves, but the power remains the same. Toughness is not gained by lending a hand at once by machines. Even endurance does not develop despite the relief that comes easily. The aid is quick, however profound stability is level.

Research Methodology

This is a new perspective on numbers that defines the approach of the study. The responses were received through a given survey format among the cities and towns of Maharashtra. Two hundred and ten individuals participated, and they came with various years of life experience and with different career journeys. The information was directly obtained out of their experiences, and it forms the bottom layer in this case.

The survey measured using a sliding five-step scale over the extent to which individuals were using AI and indicators of mental resilience. It was analyzed by using simple number summaries and pattern identification between variables using common math techniques.

To begin with, everyone was fully aware of what he or she was committing to. No one was associated with their name with the shared data. Participation was possible only voluntarily. Involvement remained voluntary the whole time.

Results of Testing and Review

Individuals who engaged in artificial intelligence to some degree claimed that they were less stressed, and better managed their emotions as well. The overdependence on AI is associated with lower confidence in personal strengths, which is represented by statistics ($r = -0.41$). There was a tendency of heavy users being less self reliant.

Having the people rely on AI to assist them rather than placing it in the hands of complete control demonstrated greater adaptability coupled with more confidence. The main point of this one that it is the balance which is more important than the extent to which you depend on something proves to be valid in the light of these findings.

Discussion

As it currently stands, AI is more of a mirror than a driver. It accelerates the pace, puts emotions into better perspective - unless individuals get out of control. However, when work is delegated too readily, decisions are delegated, when the management of feelings is done through code, strength starts to dissipate. It is not the tool that makes the point; it is its usage.

In the case where life takes away the struggle, something within us becomes less strong. Dealing with

perplexing situations can make one tough, but machines tend to rob oneself of it. The way of comfort is the cost of a comfort, and we can seldom calculate this cost. What is comfortable to us to-day may make us less prepared to-morrow.

Ethical and Policy Implications

Concerns of privacy seep in as machines know too much. Discrimination masked within code may distort results without any alert. Emotions are manipulated, indirectly, using intelligent yet cold machines. The responsibility is lost, becoming lost in mangled processes. It is due to this that trust fades away. Psychic strength is struck a blow - gradually, silently. Security within the head dissolves as the sun goes down.

People-centered, the policy blueprints must consider and treat mental wellness as oxygen would in the development of artificial intelligence. It becomes the silent support, not an afterthought - integrated into rules in such a way that tech does not work anymore, but makes human life more human.

Recommendations

The one solution is educating about more logical thinking on emotional health online. Being conscious in the application of artificial intelligence is beneficial as well. It is equally important to incorporate mental consequence checks into the design process of technology. The importance of real world connections is due to what screens have at times removed.

Conclusion

It happens that brain-shaped machines do not necessarily make people feel stronger within. At times they bring serenity in storms of mind, but excessive trust destroys the inner strength. Being able to remain stable today is to create technology responsibly, screen on a purpose, and keep in mind how brains have healing capabilities all on their own.

Acknowledgment

The author sincerely expresses his gratitude to the Management and Principal of Mahatma Gandhi Vidyamandir's Arts, Commerce and Science College (Autonomous), Malegaon, for providing the necessary academic environment and institutional support to carry out this research work successfully.

Financial support and sponsorship

Nil.

Conflicts of interest

The authors declare that there are no conflicts of interest regarding the publication of this paper.

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