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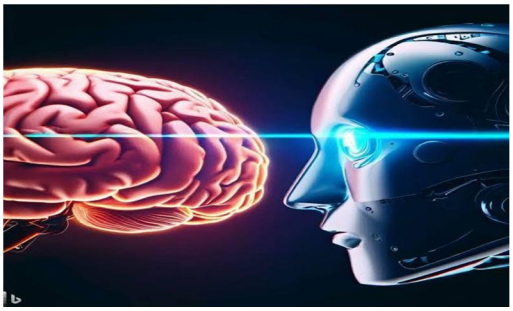
Impact of Artificial Intelligence in Human Psychology

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Abstract: ***The diverse impacts of AI on human psychology, highlighting both its potential benefits and ethical considerations. As AI continues to evolve, it is essential to navigate these complexities thoughtfully to ensure the responsible and effective integration of technology into psychological practice. impact of AI on human psychology based on different ways factors, including the design and applied of AI systems, social values and individual experience.it is encompassing various domains such as diagnosis, treatment, research methodology and ethical considerations.AI on human psychology has merits and demerits.***
Keywords: Artificial Intelligence, Human Psychology, Ai Systems, Methodology, Ethical Considerations.

I. INTRODUCTION

Artificial intelligence means implementing the intelligence of humans or any other things into a machine or a software artificially and making to do a work. It is a field of study in computer science that intelligence machines such as AIs. There are some special applications in AI like expert systems, natural language processing and machine vision. In today's world the technologies and internet systems are moreover based on artificial intelligence. AI is becoming one of the most important and wanted Technology and also undoubtedly the future is completely based on artificial intelligence.
EXAMPLES Facial Detection, Text Editors and Auto Correct



II. STUDY OF HUMAN PSYCHOLOGY

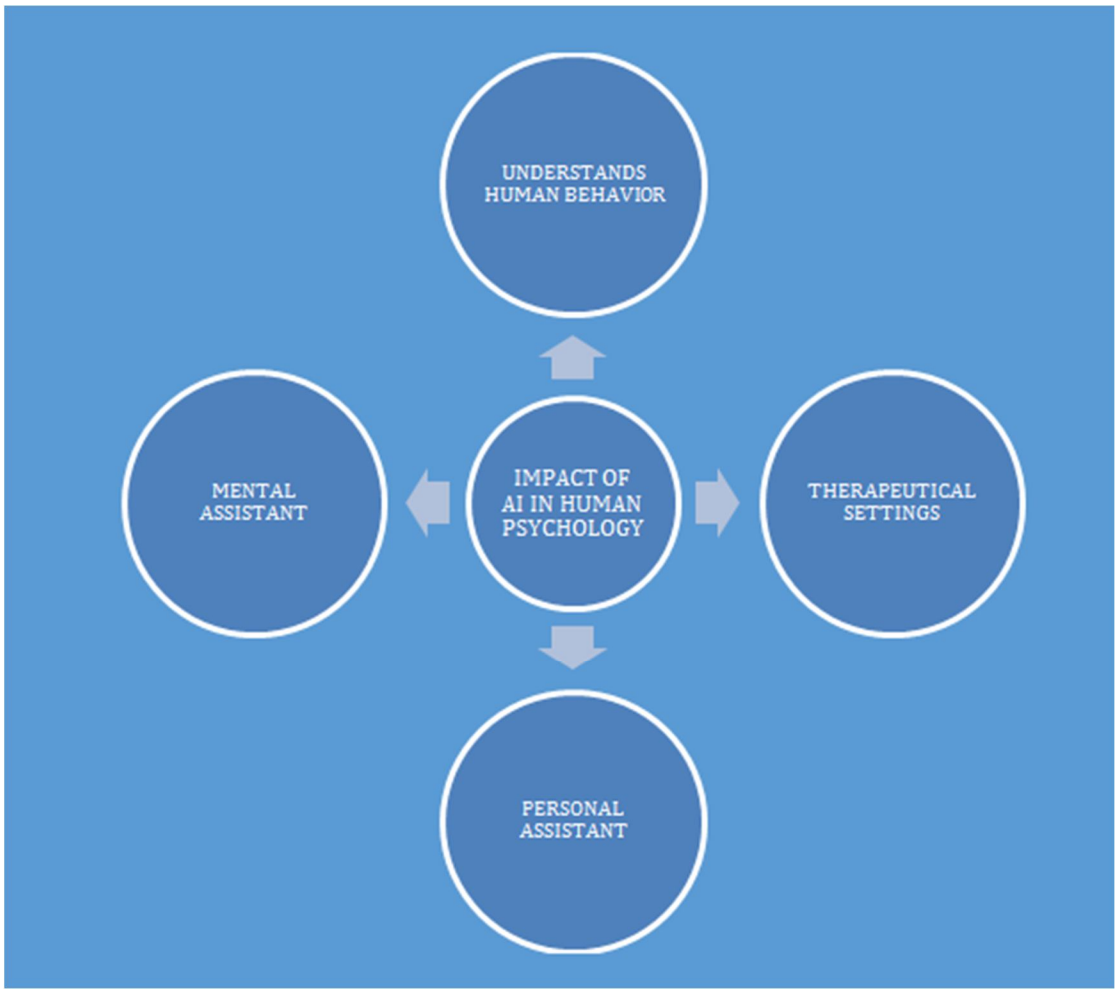
Human Brain research is the science of intellect and conduct Psychology helps people to understand, think, describe, predict and so on. People's behaviour, thinking ability are done by their individual psychology. There are many types of Psychology and studies about the same. These can be used to discover causes and trigger the mental health condition. Even more one's psychological otherwise called as mental health only makes an individual to take decision or to react for any situations.
EXAMPLES Thinking, planning, and so on.



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III. IMPACT OF AI IN HUMAN PSYCHOLOGY



A. Understands Human Behaviour

AIs use advanced technologies to understand human behaviour. The system like machine learning, natural language processing and such other technologies interpret human's needs that are searched or texted in the systems like COMPUTERS AND MOBILE PHONES. Such data helps artificial intelligence to recommend the human's interest by understanding their behaviours and provide advertisements as per their interest. As all the things that we are doing in internet are through signals, AI stores that and helps humans by providing the right information and things as per their needs.

B. Therapeutical Settings

AIs impacts are now raising in humans very hardly. Most importantly storing the data of human using algorithm, and sometimes that will lead to such illegal criteria. And also, now a days AIs are to replace the human interactions in therapeutic settings. Machine learning algorithms can understand human's emotions by their facial expression and other signs of mental health disorders.

C. Personalised assistant

Now a days AI are becoming human's unpaid personal assistants. Starting from remembering them to drink water to pay their bills. Human's use AI to store their personalized data, information for their safety. Also, AI are tracking the moods of human and give information, make them happy and satisfies the human's needs. So, that a human's brain trust AI very easily and makes it as their personalized assistants. They use AIs to change the respective channel in Television, speed of a fan and also to clean their home and etc.,

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D. Mental Support

DO AI SUPPORTS MENTAL HEALTH OF A HUMAN? Definitely the answer is yes. Because, there are lot of AIs specified applications in which human interact with AIs, shares their thoughts and emotions. Ana also the developers are developed the AI with complete data like how to react for messages and so on. So, the AIs are supporting then mental health of an individual.

IV. ADVANTAGES OF ARTIFICIAL INTELLIGENCE IN HUMAN PSYCHOLOGY

Whatever in this world happens, everything has advantages and disadvantages. Let's see the advantages of AI in the following topics.

- QUICK DECISION MAKING
- 24/7 AVAILABILITY
- IMPROVES WORKFLOW
- MINIMIZING COST

Let us know about these advantages one by one.

A. Quick Decision Making

AI understands the human intervention and helps them to take the decision quicker and more accurate. Because human will take decisions emotionally so that there is a chance of making a mistake. But AI don't have emotions so, that AIs decisions are little more accurate than human. In Artificial Intelligence everything will be stored already in their algorithms so that it takes the decision very easier and faster comparing to humans.

B. 24/7 Availability

AIs are available for 24/7. Whenever we need a help or whatever the situation and location, the artificial intelligence helps people. With the development of AI, if we get into trouble, we can also file a complaint to police within a second, and also, we can get medical supports and lots of things are there. Through AI, many technologies were invented to support people both mentally and physically.

C. Improves Workflow

AI helps to do the works efficiently and quicker. It reminds us to complete the work and also with help of automation process, AI helps us to complete a work with the flow. AI can do proofreading so, that the grammatical errors can also, be avoided.

D. Minimizing Cost

Hereafter seeking for expert help will be reduced because it is very costly. But when it comes to Artificial intelligence, its comparatively lower cost and available for 24/7. AIs can take a decision or provide information faster than the experts. Because every information was already stored in it. So, that its very simple for an Artificial intelligence to deliver a right information

V. DISADVANTAGES OF AI IN HUMAN PSYCHOLOGY

A. AI Terrorism

AI is a powerful tool that can be misused and the data that are stored can be used to threaten the user. This violent activity can end in any danger situations. As AI does have any emotions it can affect human mental health. We couldn't predict the actions of Artificial Intelligence.

B. Unemployment

As AI are well advanced than humans, most of the business people use AI rather than of humans. Because AI can complete the works faster than humans and accurately. And there is chance of ultimate unemployment in the future era.

C. Lacking Creativity

Because of AI humans are lacking in creativity now a days. So, there is chance of affecting the psychological strength of a human. This could end in loss of mental power in future.

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VI. METHODOLOGIES OF AI IN HUMAN PSYCHOLOGY

A. Data Analysis

Artificial intelligence (AI) Methods, such as machine learning algorithms, are used to examine huge quantities of psychological data, including behavioural patterns and social interaction as well as clinical data

B. Pattern Recognition

AI program able to see pattern and trends in behaviour, emotions, and cognition, which helps psychologists forecast future behaviour and to clarify its mechanism.

C. Pesonalized Treatment

AI analyse patient data, genetic features, treatment replies, environmental influences to enable the development of unique treatment plants.

D. Neuro Science

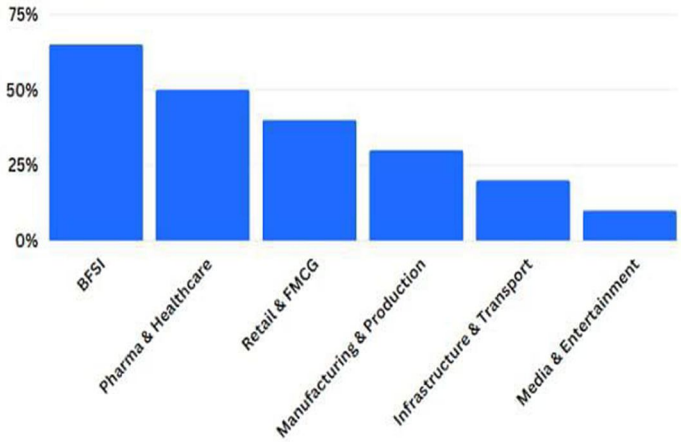
Artificial intelligence (AI) approaches, especially in the field of computational neuroscience, facilitate study into the biological underpinnings of psychological phenomena by modelling neural networks, brain functions, and cognitive processes.

E. Ethical Consideration

The use of AI techniques presents ethical questions about data security, privacy, algorithmic bias, and potential effects on the relationship of therapy between clients and psychologists. Therefore, ethical standards and laws are essential for properly incorporating AI into psychology.

An exact estimate of the percentage of AI's impact on humans between 2015 and 2024 is difficult to calculate because of the wide range and complexity of AI applications in many industries and fields. But it's clear that during this time, AI become increasingly involved in many facets of human existence**.**

VII. ADOPTATION OF AI IN INDIAN ENTERPRISE SECTORS



VIII. HERE ARE SOME BROAD AREAS WHERE AI HAS MASE SIGNIFICANT IMPACTS

A. Technology

AI has transformed a number of sectors, including healthcare, banking, transportation, and entertainment, increasing production, efficiency, and creativity.

B. Work Force

AI 40 machine learning has changed workflows and job roles, which has resulted in job displacement in certain industries while opening up new opportunities in others.

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C. Health Care

AI has facilitated medical diagnostics, drug discovery, personalized treatment plans, and predictive analytics in healthcare.

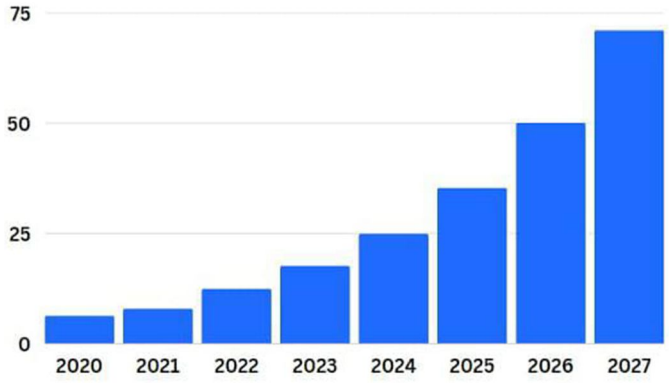
D. Education

Teaching strategies and student engagement have changed dramatically as a result of AI-driven individualized learning platforms and educational technologies.

E. Society

Social dynamics, privacy issues, and ethical questions around data usage, algorithmic biases, and spying have all been impacted by AI technologies.

IX. CURRENT INDIAN AI MARKET SIZE AND PROJECTION



X. CONCLUSION

The impact of AI on human psychology is multifaceted. While AI can enhance mental health care through personalized interventions and data-driven insights, it also raises concerns about privacy, autonomy, and the potential dehumanization of therapy**.**

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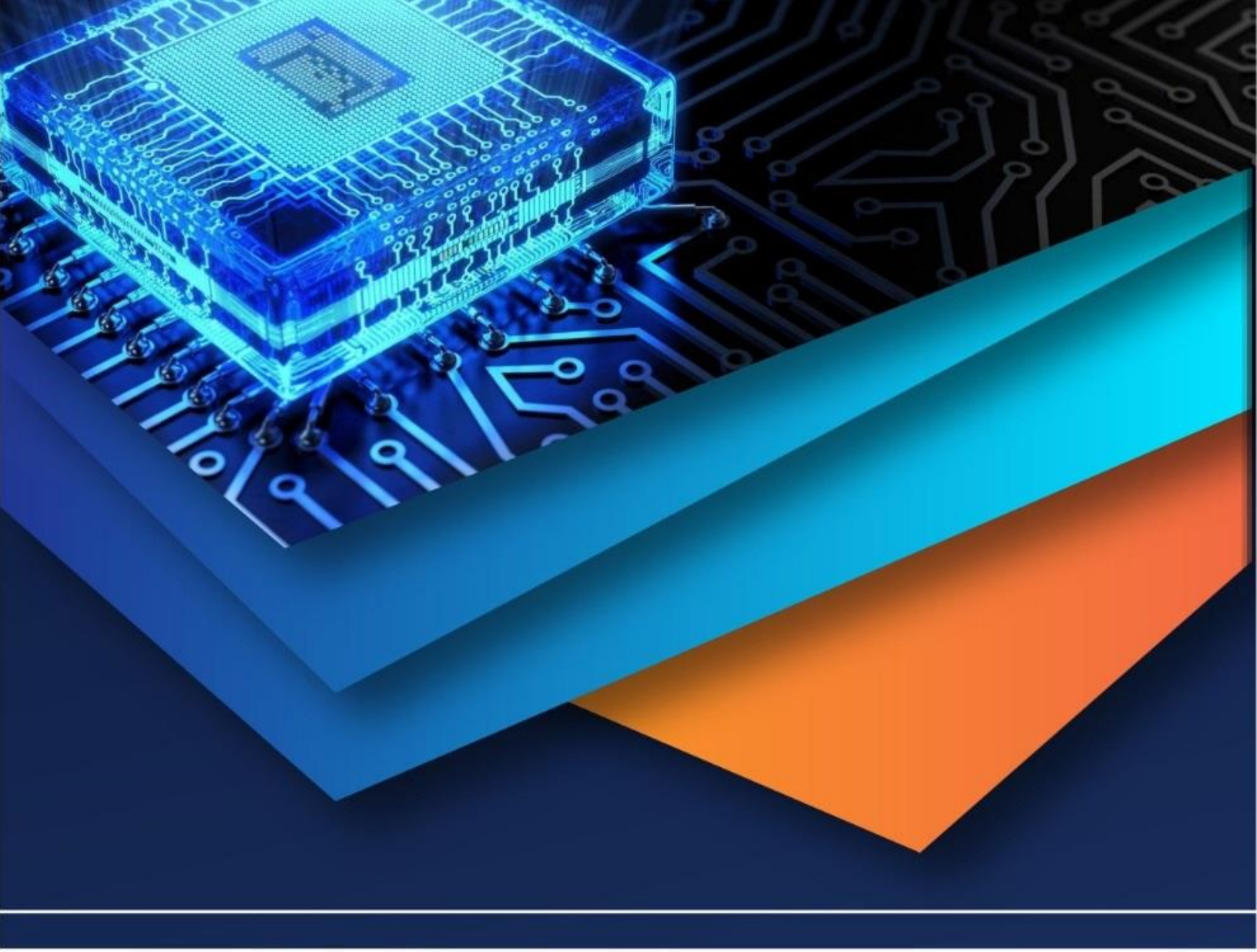
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