

# Adaptive AI

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**Abstract:- Adaptive AI is a smart new technology that changes its re-actions to adapt to a new situation and continues patterns. As it collects information from previous experiences and adapt over time. It can solve occurring problems as well as dealing with changing conditions in businesses.**

## I. INTRODUCTION

Adaptive AI is a creative new technology that learns from regular day to day experiences around it, and without the need to have it updated or continues guidance. It personalized the experience and help making decision faster and save costs

## II. TECHNICAL BACKGROUND

Adaptive AI software relies on a network of key components that adapts and gets better over time. These elements such as Learning algorithms, Deep neural learning and Meta learning can help and get the ability to predict the outcome or make decisions.

## III. PROS AND CONS

### ➤ Pros:

- Provides an enhanced efficiency in businesses
- Gives a personal touch
- Helps with calculated business prediction
- Financially cost saving
- Faster decision making

### ➤ Cons

:

- Your data and personal search feel less private
- Can cause less dependant on personal instinct

## IV. EXAMPLES AND CURRENT USES

### A. Training and Education

Adaptive AI has the ability to personalized training and educational content. As well as enhancing existing educational processes for students needs and for teaching as well.

### B. Healthcare

In healthcare, adaptive AI analyses data and images which increases the possibility to detect diseases in early phases. Overtime, it learns from previous diagnoses to faster and more accurate results.

### C. Personalized Recommendations:

Adaptive AI offer a personalize experience while streaming sites, as it suggests to you stuff and things that you like, and it gets better the more you utilize it.

## V. CONCLUSION

In conclusion, adaptive AI offer a great support for making decisions, as it's help us offer time, not only in the future, but it's changing how things work right now, and making businesses more dynamic. Companies are paying attention to adaptive AI because it learns for existing patterns and help improve upon them, as well as adapting to new situations and prepare smart choices automatically, as it ultimately leads to better outcomes.

## REFERENCES

- [1]. Adaptive AI: Explore the Use Cases, Examples, and Others (webisoft.com).
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