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About

Mathematician: Washington University in St. Louis(PhD, AM) & Indian Statistical Institute(BMath).\\
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Math Educator: Schools and Madrasahs.\\
High(er) School Accolades: KVPY-1st Muslim, ISI BMath-1st Muslim, Math&Phy(Olympaid, HBCSE), IITJEE.\\

AI in Higher Education

Knowledge \\ Wisdom \\ Skills \\ Spirituality

MFERD

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(w)Here is the answer(!)(?)

Friends of AI Vs Critics of AI

Pros of AI in Higher Education:

1. **Personalized Learning:** AI can adapt educational materials and experiences to individual student needs, improving learning outcomes and engagement.
2. **Efficiency:** AI can automate administrative tasks, such as grading and scheduling, freeing up educators and staff to focus on more strategic and creative tasks.
3. **Data-Driven Decision Making:** AI can analyze vast amounts of data to provide insights that inform better decision-making, including predicting student success, optimizing resources, and improving course design.
4. **Accessibility:** AI can help make education more accessible by providing tools and accommodations for students with disabilities and language translation for non-native English speakers.
5. **Scalability:** Online courses and AI-driven educational tools allow universities to reach a broader and more diverse student population.
6. **Continuous Learning:** AI-powered tutoring systems and chatbots offer students 24/7 support, fostering continuous learning and providing instant feedback.
7. **Research and Innovation:** AI can accelerate research by analyzing data, simulating experiments, and assisting in data-driven discovery.
8. **Cost Reduction:** By automating tasks and improving resource allocation, AI can help institutions reduce operational costs.

Cons of AI in Higher Education:

1. **Privacy Concerns:** AI systems collect and analyze student data, raising privacy concerns, particularly regarding the security and use of sensitive information.
2. **Bias and Fairness:** AI algorithms can inherit biases present in the data used to train them, potentially leading to discriminatory outcomes, such as biased admissions decisions.
3. **Teacher-Student Relationships:** Overreliance on AI for teaching and assessment can reduce human interaction, potentially weakening the student-teacher relationship.
4. **Cost of Implementation:** Implementing AI in education requires a significant financial investment in infrastructure, staff training, and ongoing maintenance.
5. **Lack of Transparency:** The "black box" nature of some AI systems makes it challenging to understand how decisions are reached, leading to concerns about transparency and accountability.
6. **Technology Gaps:** Not all students have equal access to technology, potentially leaving some at a disadvantage when AI tools become essential for learning.
7. **Job Displacement:** Concerns about AI replacing educators and support staff can create fear and resistance to AI adoption in higher education.
8. **Quality Control:** Ensuring the quality of AI-generated educational content and assessments can be a challenge, as they may lack the human touch and nuance.
9. **Ethical Use:** Maintaining ethical standards and preventing AI misuse, such as for plagiarism detection or surveillance, is an ongoing concern.

Regenerate

Send a message

ChatGPT can make mistakes. Consider checking important information.

Knowledge Black Holes

Critical Thinking

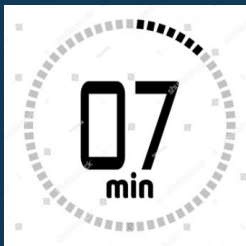Veiled Observant

The Organizer

Conclusion

03 min

Knowledge Black Holes

- ✓ AI driven access to database. "Open(?)"AI

- ✓ Data Monitoring(a.k.a. student monitoring)

- ✓ Data is desire/interest driven and not motivational/inspirational.

- ✓ Students groomed as skilled labourers(and much more)

Monitored DATA Vs Education

07 min

Critical Thinking (Independent Research)

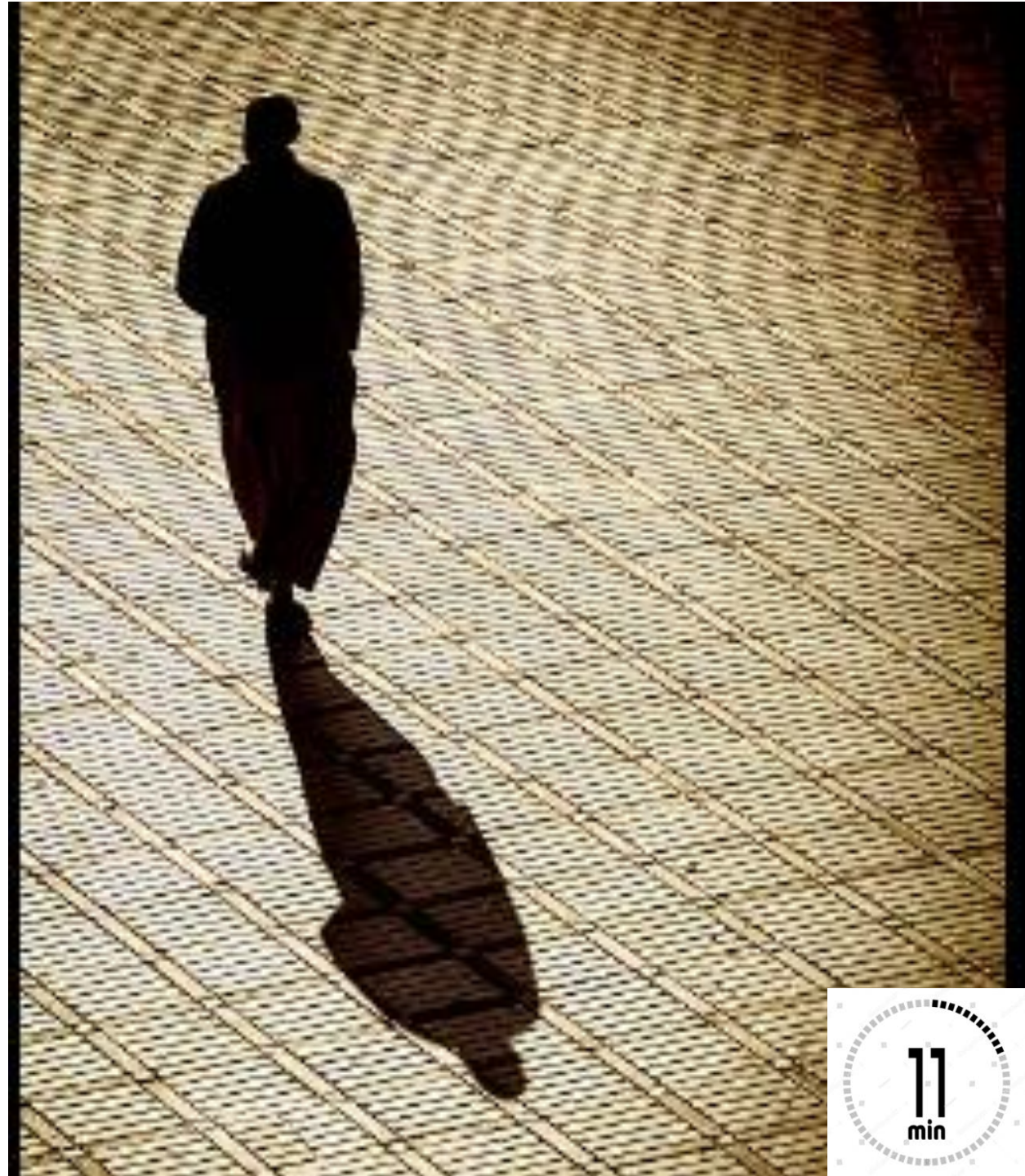Is always collaboration <u>always</u> better?

Retarded Thinkers

Adaptative Thinkers(for AI and not the need!)

Coarser Arguments(استقراء ناقص)

Unable to link Faith and Science
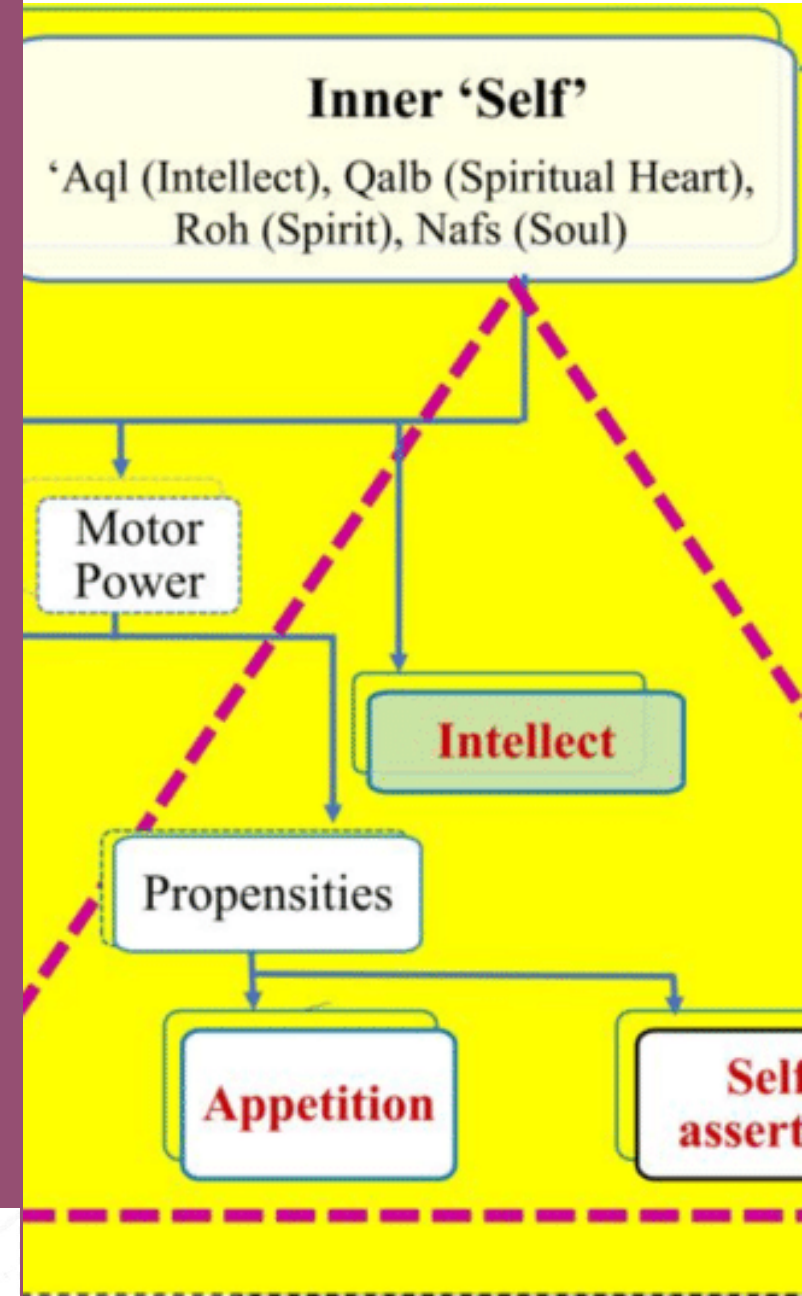
Critical of Faith and Blind in Science

Veiled Observants

Simulated Vs Experiments

- Physical observations are lensed.

- Skills are the end of the tunnel.

- An understanding of "complete" understanding. Cocooned!

- The mind is "beautiful" because of the paradox; it uses itself to understand itself.

    AI is "beautiful" because of the double paradoxes; it uses a paradox to define itself.

Senses(5+1+1) are censored, and sensors work!

Inner 'Self'

'Aql (Intellect), Qalb (Spiritual Heart), Roh (Spirit), Nafs (Soul)

Motor Power

Intellect

Propensities

Appetition

Self assert

16 min

The Organizer

AI organizes the knowledge using itself.

Career confusions in Higher Education are irradicated.

Expedite documentation/implementation of an idea/project.

Procrastinators(People/Communities) may benefit.

Conclusion/নিষ্কর্ষ/সিদ্ধান্ত/لب لباب

Groundbreaking research disruption.

Observations/Experiments/Arguments fades.

Mesmerized by AI; Blackbox.

Helps small schools organize.

Using AI Vs Controlling AI

Crux: Control AI, intelligent brains required.

My talk is not beneficial for almost all schools.

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Solution

- ✓ ~~the~~ [redacted]
- ✓ ~~ntribute~~ [redacted] ~~the AI as it~~ [redacted]

Most are NOT yet ready to know the solutions.

Teaching Students how to think – Sana Model School, Chennai\\