



The Use of Cognitive Tools for Boosting Human Noetic Productive Capabilities

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Abstract

To enhance human cognitive performance, and to stimulate the intellect, this article discusses a multidisciplinary framework by blending traditional neuroscience with noetic theory. It proposes a future human-AI symbiotic network (Mahmud, Hong, Fong, 2023; Gonzalez, 2025) where the core technical proposal proposes a move towards higher domain: it proposes a user-interface design that blends extended cognition with emerging functions of advanced artificial systems. The hypothesis is that, we don't stop at the brain nor synthetic intelligence—e.g., let the mind look “beyond the brain”, and the brain look “beyond the skull”.

Keywords: *Cognitive tools, human noetic potential, productive capabilities*

1 Introduction

It is envisioned that the emerging and evolving tools become the functional components of our cognitive system. A definite symbiotic loop is previsioned as a mode of bidirectional inspiration where human beings adopt machine-learning algorithmic strategies to optimise their own thought patterns. It stresses on reinforcement and recursive learning processes to better align with the ways by which machines processes information and humans take the decision.

This is the age of wisdom and intelligence—both natural and artificial that are extending the boundaries of human perception, cognition, and noetic (intellectual) capabilities. As most things are accomplished online and there's a digital version of our unique existence growing stronger, it necessitates development of exceptional skills to match the growing pace in digital productivity among the current generation of (digital) workforces. Therefore, we have much work to do: motivate people towards productivity, and empower them with new noetic skillsets packed with productive intelligence and wisdom of action.

1.1 Design of Organised Tools of Noetics

There's a belief grounded on the notion that organised methods and processes give power to individuals and people working together (organisations). The methods embedded in design of scientific tools and technologies are highly systematised—offering highest advantages to societies, since tools speed up work and bring precision in practice. The race for the discovery and development of new technologies has brought humanity to the forefront of AI technologies. The digital domains are becoming saturated with productivity tools powered by AI-based programs. However, there might exist some other powerful technologies having different utilities still inaccessible to most people.

Some of the techniques are kept secret knowledge, only accessible to those who can afford them or which are readily accessible to a specialised few. Some secrets are unique, maintained as mysteries but in essence, there's nothing mysterious about them when things are revealed and their secrets uncovered. Regarding the human brain—some mysteries still remain: the human brain is the most evolved organ in the entire universe, it is an enigmatic organ of consciousness powering the will and the body, and the functioning of which is still shrouded partly in mystery. Only now the mysteries of the brain are being gradually revealed with the aid of powerful interventional instruments and technologies. But the technology we are talking about on which we are researching, is based upon noetic paradigms: noetic technologies that possess the capacity to transform the ways we think, act, and make decisions. This could become a very powerful secret tool for noetic enhancement.

2 Research in Quantum Noetic Metaphysics

We aspire to study the human intellect at the quantum relativistic level, and acquire specialised knowledge which we could be readily applied to practical solutions. It is generally believed that some unique, powerful secrets are capable of boosting human morale and productivity—and the thrill of being its discoverer would give an added advantage to those possessing such knowledge. The *Strategic Intelligence & Noetic Potential Unit* (SINPU), under the auspices of **QNM Theoretical Lab** aims to attain such lofty goals of empowering humanity with new knowledge and wisdom of strategic productivity that would transcend the current boundaries which limit human capabilities.

Augmenting human intelligence has remained the top priority of this lab through all its research and analytical programs, studies, and investigations. Besides, we constantly endeavor to boost human and organisational productivity in a way never attempted before. Different aspects of human cognition are sought for improvement and enhancement that are deemed necessary, and which most likely would contribute towards enhancing human creativeness, productivity, and output to a certain degree of excellence unachieved before. Bidirectional inspiration is obtained from the outcome of fusion of different concepts that are aligned to cognitive neuroscience, psychology, AI systems, and deep learning—all leading to the creation of powerful psychotechnique tools of productivity that bridges the gap between human cognitive limits and machine capability. These tools are void of any psychedelic influences on the mind, neither do they alter consciousness or awareness levels of the human mind. So, how do they work?

By inspiring the cortical circuits of the brain that creates emotive drives which drive the person toward activity. It relies—to some extent, on the insights that are obtained from inner noesis. Certain kinds of wisdom, i.e., intuitive insights are stimulatory to the brain as they evoke higher noetic potential. The throne of noesis is the seat that gives its occupier explicit advantages for the reason that the knower knows about specific secrets designed to boost human noetic capabilities.

2.1 Beyond Instincts, Insights, and Human Rationality

A good thinker doesn't unpretentiously follows theories that are born out of mid-air. Good thinkers are generally persons of deep learning who have better grasp on the cradle of intelligence. One of the brain's most primitive operative areas is the instinct centre—basal ganglia and the limbic system, which is often guided by emotions rather than pure reason. Our instincts, when guided by expert knowledge and experience, often help us discover the right course of actions in times of crises. But relying too much on instincts may prove to be dangerous—as instincts can go wrong. Machines lack gut feelings, and they do not—as of now—how to rely on *instincts*. Logic and reason serve their purpose well.

Rational individuals do not readily accept anything—ideas, concepts or theories—since being an expert is a responsibility and one who's an expert must know how things actually work, which is, essentially, procedural knowledge. This knowledge isn't born out of thin air. Rational thinkers do not readily rely on informed guesswork: they endeavor to learn and discover how something works, and how it works best under a given condition. That's experimentation and observation. They follow order and rules. Each successful trial, testing, and experimentation create an order of rules and protocols. These elements define procedural components—which is a form of technical knowledge. The wisdom of procedure augments human intelligence.

Gathering procedural wisdom improves our noetic capabilities—and empowers the mind with practical knowledge of actions. However, it doesn’t designate that all other types of knowledge and wisdom are useless and unproductive. Indeed, there’s a concept called ancient wisdom which could be reframed as *Ancient Esoteric Productive Intelligence*. Many productive ideas could be harnessed from ancient writings and literature, which are thought provoking, inspiring to the mind, and energising to the intellect. They empower the will to action. Although our endeavors are not directed to esoteric quasi-mystical quest for ancient divine wisdom and productive intelligence, we do believe that productive Intel (Gen) is embodied in many different forms of writing. We are chiefly concerned with its power potential—the *power* of “esoteric productive intelligence” that has the capacity to inspire the will to action. Truth is often hidden secretly in design meant to conceal it. History has tidings for many such keepers of unique and esoteric powerful secrets—secrets (information) that become common knowledge once they’re revealed or discovered. It is identical with scientific truth as well, since many top secrets about existing powerful technologies are classified information publicly undisclosed. The secret knowledge which we refer to is denoted by highly specialise procedural wisdom that acts as a catalyst for human evolutionary progress. Herein, the unpacking of the core ideas are translated into concepts and proposals that could be developed into veritable practical realities (products).

“By noetic capabilities, it is meant here the higher order cognitive functions of the intellect—the mind, which involves abstraction, reasoning, metacognition, decision-making, and goal-oriented actions and behaviors. All these functions are associated with the prefrontal cortex of the brain that engage in planning, executive control, and reasoning. Cognitive functions of the prefrontal cortex have been extensively analysed and reported by Fuster (2013) in principles of frontal lobe functions—the region associated with executive control and decision-making. To some degree, the parietal cortex is involved in integration of information.”

Now, boosting cognitive functions and enhancing noetic capabilities must involve cognitive control, information integration, information processing, sorting, prioritising, presenting, and switching between intuition and logic. Bell and Winn (2000) proposed creation of effective learning environment as they posit that beyond the brain, cognition is situated in distributed systems as well. Cruz (2025) stressed on the use of reinforcement learning (RL) to model cognitive processes for supporting auxiliary innovations of the state-of-the-art cognitive systems that would tend to be more powerful systems of hybrid cognition. Indeed, as it appears, RL is a formidable tool and an instrument for effective retention of learned facts and information, as learners can employ this noetic tool to boost their learning productivity.

According to **Andy Clark**, cognition is not just confined to the brain, but it is distributed across tools, networks, social systems, and the environment. For example, the human memory has limited working power and capacity unlike computers and external storage. Our processing speed is slow when compared to fast processors of parallel computing—including AI. Today, we may thus safely claim that AI systems function as smart cognitive prosthetics. On the other hand, since cognition is also distributed in machines beyond the human mind-brain interface, distributed cognition and human computer interface (HCI) have been discussed in detail by Perry (2003) with regard to multi-disciplinary science and its cognitive frameworks.

“THE COGNITIVE POWER IS DISTRIBUTED TO THESE MACHINES AND TOOLS OF ARTIFICIAL COGNITION. HOWEVER, IT IS THE KIND OF KNOWLEDGE WHICH FUNCTIONS AS COGNITIVE TOOLS, AND CAN ACT AS COGNITIVE ACTIVATORS AS EXPOSURE TO STRUCTURED KNOWLEDGE OFTEN INSPIRES THE BRAIN TO ACT FASTER AND PERFORM BETTER.”

And hence, there exists many kinds of knowledge so powerful for the intellect and yet they tend to remain undiscovered or unapplied, or given little attention to, and hence, seem to be mystical and esoteric. But there’s nothing *mystical* about them. What wisdom of action has not yet been acquired by humanity today remains unknown and secret? There are many forms of wisdom embedded in actions—and the one that concerns us is the *noetic metaphysics of productivity*, which is our prime area of expertise. Using the wisdom from ancient esoteric knowledge (e.g., philosophy,

literature, ancient science, etc.) we can investigate evolving phenomena with the lens of quantum relativity that would help boost productivity levels of individuals and organisations in action.

For any kind of cognitive reactivation, it is necessary that individuals engage in deep and repeated learning that helps build synaptic connections and develop plasticity—the characteristic of Hebbian networks or neural plasticity: *neurons that fire together wire together and vice-versa* (Hebb, 1949: 2005). Reinforcement learning (RL), in this scenario serves the purpose well, since through repetition, search, and trial and error processes, solutions to problems are more efficiently found out. Sutton and Barto (1999) emphasised the essence of RL in the context of problem solving and learning based on reward function as an effective feedback mechanism. In the current context, we draw a close analogy in a way where effective learning could be achieved by using recursive models, which may lead to the discovery of new wisdom hitherto lying hidden within the deep pockets of contents—thus providing novel perspectives on things being read. It necessitates the application of the principles of deep reading.

Noetic engagement in practice of deep reinforcement learning (DRL) has positive consequences: it pertains to the *benefit* which the society can accrue through *Augmented Human Intelligence Interface Design* (AHIID), where Human and AI symbiosis would work in unison in a harmonised fashion (Licklider, 2008) based on strategic learning to support more rational and efficient decision making. This approach fits the context of Andy Clark’s extended mind concept (Clark and Chalmers, 1998). The entire program is supportive of accommodating extended cognition theories that are more likely to boost higher noetic capabilities of the human mind.

3 Some specialised Techniques:

We refer to motivational circuitry powered by dopaminergic pathways or reward systems that are activated when we have:

- Clear intentions
- Clear goals
- Visible progress
- Meaning and purpose well perceived
- Efficient feedback system

Our specialised tools are associated with the “secret wisdom” of deep learning that activates the reward system and pushes one towards goal achievements through intentional stance and actions that are highly purposeful. *It steers the mind towards engagement in learning which is deep and effective.* This goal-directed cognition is also a part of the system that explains why individuals should overcome (noetic) inertia and become active (learners) by the power of their will. More definite conclusions can be drawn which becomes more fascinating when we know and understand the things that actually drive us (Pink, 2011)—our will to action.

Our techniques of noetic exploration also incorporate examination of didactic manifestations of formalised narrative expressions of productive acts that furnish wisdom of action. Didactic means refer to instructional modes and methods of teaching and learning. The faculty of intuitive perception, on the other hand, is considered as well, for intuition and insights have occasionally played constructive roles in productive decision making (Launer & Çetin, 2025). But these are limited by their efficacy: they are heuristic and error prone as they depend on fast pattern recognition, which often happen at lightning speed (Matzler, Bailom & Mooradian, 2007). Not all insights and intuitions are always correct, and we need accuracy and precision. Sinclair & Ashkanasy (2005) have questioned whether intuition is a myth or a decision-making tool, but they posit that intuitive decision-making is a context-specific process. Because intuition is useful but unreliable, structured learning is superior in imparting factual knowledge which reflects evidence-based cognition (Saguin, 2022). Why? Because of the growing importance and trust in factual evidences and availability of research data derived from experiments that can improve the effectiveness of decisions under critical contexts (Saguin, 2022)). The role of intuition in strategic decision making has been examined by

Khatri and Ng (2000), and by other scholars who compared the efficacy of rational decision making vis-à-vis intuitive decision making (Julmi, 2019). We aspire skill development in the methodological processes through deep learning (Goodfellow et. al., 2016), by the power of which one can acquire greater merit and expertise. Skill-based procedural learning is better than heuristic learning, whereas declarative knowledge (facts and concepts) comes in-between these two modes of knowledge—*procedural* and *intuitive*.

The “nectar” of *higher noetic powers* is embedded in the hives of “procedural knowledge”, often considered secret, and often inaccessible to most general people, because many individuals have little or no knowledge of the facts of procedures that connect *what* with *how*. But these are not esoteric things beyond the reach of human perceptual or cognitive boundaries: procedural knowledge can be acquired through practice of learning, through practice, but only the methods differentiate their efficacy.

Humanity today is seeking welfare through intelligence and wisdom—so it is necessary to tap the power potential latent within and beyond us. We could be more *energetic* if we overcome *inertia*: This is the most important message of all veritable knowledge of the ancient past and contemporary present. Our view is that human intellectual potential—however suppressed, shouldn’t remain latent or stagnant. *Noetic inertia*—where human intellectual potential remains latent should be overcome by the active process of noetic transformation. This transformative process is what we call noetic metamorphosis. We propose that the brain attains a higher potential state when the cortical neuronal circuits are rewired through deep learning and continuous engagement, where a fundamentally different but higher energy state is attained thereby increasing the noetic capabilities of the brain. It also results from *neuroplasticity*—the brain’s ability to form new permanent connections through repeated firings (Hebb, 1959) in response to specific noetic triggers. These noetic triggers are unique, and we are focussing on the development of new, more effective ones.

But we also have an “inner guide” to guide us through the path to success and greater achievements. This inner guide is our willpower—an idiosyncratic mental force. The will to action is absolutely necessary to produce any effect. These may all seem to be abstract mental phenomena, but without these subjective states occurring inside the brain, there would occur no objective outcomes whatsoever.

It must be acknowledged today that real things are conceived out of abstract concepts—in the virtual domains, too. Examples include simulations and computational models, 3D gaming, in virtual domains based on mathematical models of neurons (Artificial Neural Networks). There’s always enough materials of abstraction, but the ones that are most useful to society also contain the best wisdom and intelligence in latent states. Wisdom and intelligence help maintain order in the noetic universe: they balance things in and out. There is some wisdom and intelligence to be gathered from the archaic, ancient traditional knowledge of ancient texts, scripts, and philosophies as well, since not all past knowledge is impractical. However, more stress should be given to contemporary scientific discoveries and inventions within which are hidden the wisdom of practice, methods, and procedures.

4 Overcome Noetic Inertia through Noetic Metamorphosis

The primary human goal is to advance, progress, and develop our intelligence level to promote general welfare of the entire human race. We are not talking about higher productive and intelligent beings: that’s the domain of Artificial Intelligence (AI). We are more concerned with human capabilities and the cultivation of natural intelligence, for which we have in our aid pure knowledge and extracts of pure reason critical for the evolution of humanity. And beyond these, we have developed, through research, some unique *noetic tools* that will help augment human intelligence like never before. And we are continuously working and researching on these tools to sharpen their powers. We believe such an endeavor is long overdue, and which seems inevitable; i.e., co-evolution of human-machine at a faster pace than what we have achieved before. This co-evolution of human and machine minds would contribute to the development of greater synergy and collaboration and co-operation between intelligent machines (*Artificial Noetic Beings*) of the future and natural noetic beings (humans).

Our objective, hence, is to help individuals overcome “noetic inertia” so that they could be able to acquire deep wisdom. Wisdom leads to the development of intelligence—and vice-versa. All these necessitates energy level transitions that follow noetic metamorphosis (intellectual transformation). To know the reality, it is necessary to learn about the truth. All activities in the spirit of learning are mostly aimed at knowing the truth and understanding its essence. If we can become reciprocally unbounded we can have many things to do or accomplish. The term *universal infiniteness* might suite the scenario better—as it denotes the endless, infinite possibilities that lay ahead of us, and which can explored, tapped and turned into realities. For this, we require the services of reflective intelligence. It represents the noetic manifestation of power.

The theory of noetic transformation lies at the root of this manifestation of power. Without transforming the intellect, and without advancing to higher noetic levels through learning and contemplation, any such effective metamorphosis of the mind wouldn’t be possible, after all. Think about it being a one-way transformation: you cannot transform yoghurt to milk once it has become yoghurt from milk. That’s more like asking a machine to turn back cooked omelette into raw eggs! Similarly, once a mind gets transformed through deep learning and attains a higher noetic state, it’s difficult for it to revert back to its previous low-energy low potential state. This transformative change is *irreversible*.

For the brain to attain higher noetic states, it is necessary for us to move beyond the traditional boundaries defining neuroscience of cognition and human intelligence. Classical neuroscience is rooted in neurobiology, cognition, and psychology, whereas we are inclined to study the noetic processes in the light of quantum relativistic level where thoughts are considered as units of quanta-*information* that follow certain strategic rules of thinking and reasoning. It is also true to bear in mind of the fact that in physical domains, moving from “lower” to “higher” potential domains must involve energy transition states: a specific quantum of energy must be expended to achieve higher results.

We recommend the use of psycho-technique tools that are non-invasive to the brain with minimal interventional procedures, and hence focus on non-invasive cognitive augmentation techniques to boost the intellect that support higher productivity. The stress is laid more on procedural learning, tacit knowing, deep learning, and functional rewiring via emotive drives. It doesn’t involve any physical alteration of the brain tissue, save creating new network patterns. Our focus shifts on the core aspects of noetic potential, the “throne of noesis”, wherein the role of instincts are relegated when procedural wisdom takes over, and we can bypass emotional guesswork and rely more on expert knowledge, skills—that are comparable to machine logic gates that are precise, repeatable, adaptive, and efficient.

5 Conclusion

The key symbol of productive identity is wilful action. In this brief article, we have discussed the nature of cognitive tools most appropriate for boosting human noetic potential and productivity. Individuals—as well as organisations, acquire wisdom of action while at work, and learn from solving problems that builds experience and expertise. To boost human potential, it’s not necessary to rewire the entire brain: rather, what’s required is diligent learning at depth and building expertise from solving problems. Specific types of wisdom when acquired through deep reading trigger emotive centres of the brain which inspire the will to action. There’s nothing mystical or esoteric about ancient wisdom or contemporary scientific secrets: they are all facts and procedural intelligence which can be acquired under right conditions. These strengthen the mind and help boost our productivity level by urging us to do more. This is the best “secret” which is often kept concealed, and we are here to unveil and uncover many such secrets that could act as powerful noetic triggers.

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