

Article 11:

Applied Ontology: Examining **Fundamental Capabilities and Characteristics** in Existence

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Keywords: Capabilities, Characteristics, Existence, Survival, Stability, Development, Essential Processes, Environmental Adaptation, Proactivity, Safety, Systemic Relationships, Innovative Performances, Resource Utilization, Scalability, Replicability, Challenges, Solutions, Quality of Life, Human Interactions

Introduction

Applied ontology, as a novel approach in philosophy, examines and analyzes the **fundamental capabilities** and characteristics present in existence. In today's complex and ever-changing world, a deeper understanding of the processes and mechanisms governing existence can help us not only achieve a better understanding of the realities surrounding us but also find more effective solutions to everyday challenges.

The emergence of a system of **fundamental capabilities** in existence reveals how essential processes and specific laws contribute to the survival, sustained stability, and continuous development of beings. These processes encompass various stages from inception to reproducibility, each playing a crucial role in the formation and transformation of phenomena. Additionally, the cultivation of fundamental characteristics in existence, such as obedience, proactivity, and safety, enables us to adapt to changing environmental conditions and respond to challenges in the most optimal way.

In this article, by closely examining the stages of emergence of the system of **capabilities and fundamental characteristics** in existence, we will conduct a deeper analysis of the essential processes that not only aid our understanding of existence but also lay the groundwork for sustainable development and environmental compatibility. Our goal is to clarify these concepts and provide practical solutions for improving the quality of life and enhancing human interactions.

The Emergence of the System of **Fundamental Capabilities** in Existence

In existence, specific laws and mechanisms emerge through "**essential processes**" to ensure survival, sustained stability, and continuous development. These processes shape the "**system of fundamental capabilities**" in existence by "regulating and controlling" every matter and phenomenon:

1. Initiation:

At the beginning of the emergence of any matter or phenomenon, it faces challenges related to solving issues (addressing deficiencies, eliminating flaws) and overcoming obstacles (achieving compatibility with the environment).

2. Manifestation:

In this stage, the possibility of utilizing available resources and existing **capabilities and characteristics** for the relevant matter or phenomenon is provided.

3. Foundation:

At this stage, the matter or phenomenon examines possible solutions to address the issues and challenges ahead.

4. Implementation:

In this stage, the matter or phenomenon investigates and adopts new efficient relationships and innovative performances among the elements and members within the phenomenon, as well as its relationship with the environment (as a system), while solving issues and overcoming challenges to achieve the best possible solution.

5. Flourishing:

In this stage, the phenomenon (as a system) achieves new performances and the best possible solutions for solving issues and overcoming challenges through continuous self-referentiality using:

- Available resources
- Existing **capabilities and characteristics**

By creating new efficient relationships among elements and members.

6. Achievement:

In this stage, the phenomenon has achieved new relationships (laws) and innovative performances (principles) among the elements and members within the phenomenon (as a system) at necessary dimensions and sizes for the emergence of **new capabilities** and **novel characteristics** in response to solving issues and overcoming challenges.

7. Scalability:

In this stage, the phenomenon achieves a scalable quantity, a developable quality, and an open diversity through specific changes and transformations.

8. Replicability:

In this stage, the phenomenon (as a system) accepts necessary changes and enables its replication in new circuits.

The ability to control outcomes and prevent adverse consequences. This characteristic indicates that results prevail over unintended consequences, enabling the system to monitor, control, and dominate outcomes. This trait involves efforts to prevent undesirable consequences while maintaining health, sustainability, and continuous efficiency within the system.

Cultivation of **Fundamental Characteristics** in Existence

In existence, adherence to systematic principles through "**essential processes**" ensures the continued compatibility of phenomena with their environment. These processes give rise to the "various levels of **fundamental characteristics**" of existence:

1. **Compliance:**

Adhering to commands, laws, and principles to solve issues and challenges ahead, while accepting **new capabilities** and exhibiting **novel characteristics** within the system. Being compliant, submissive, and executing the system's directives in the face of problems enables the emergence of **new capabilities** and the manifestation of new traits. Each system possesses diverse and unique **capabilities and characteristics** that allow it to act as a compliant entity.

2. **Proactive:**

Evaluating and selecting the best options for adapting to future changes. This refers to the ability to examine and assess potential solutions and choose the best one among them, considering the limitations of available resources and the existing **capabilities and characteristics** within the system. This trait signifies an appropriate reaction between what is currently being done and what will happen in the future, demonstrating how elements and members within the phenomenon adapt, develop, and constrain themselves in response to evolving conditions.

3. **Wellness:**

Integrity within the system to maintain stability and balance. Establishing coordination and coexistence among elements and members within the phenomenon to ensure the survival and sustainability of the system. This characteristic refers to sustainable health within the system, which includes maintaining harmony and balance so that the system can operate correctly and sustainably.

4. **Protected:**

This characteristic signifies that the system is safeguarded from external harm and does not inflict damage on others. The system is protected from unintended consequences and remains safe from dangers. This trait involves efforts to prevent occurrences or situations that may lead to harm or damage, highlighting protection against various risks and threats.

5. **Resilience:**

Maintaining balance and stability in the face of changes and preventing collapse. This characteristic refers to the equilibrium between what currently exists and what will emerge in the future. The endeavor to preserve balance and stability in the system when faced with upcoming changes and transformations serves as a refinement factor for the system rather than its collapse.

6. **Efficient:**

Meaning possessing value and continuously developing capabilities and resources. This characteristic refers to the ongoing growth of resources, development of capabilities, and cultivation of new traits within the system. In other words, this feature signifies achieving results with minimal costs, allowing the system to experience continuous growth in resources, development of **capabilities**, and cultivation of **characteristics**.

7. Adaptable:

This characteristic refers to the ability to solve issues (addressing deficiencies and rectifying flaws) and overcoming challenges (achieving compatibility with the environment) using available resources and existing capabilities within the system. Thus, the system will have the capacity to correct and improve itself in the best possible manner.

8. Excellence Driven by Competence:

Acquiring qualifications and competencies to achieve optimal results and play an effective role. This trait signifies competence in obtaining the best possible responses for desirable growth and balance. Additionally, this characteristic pertains to the system's qualifications and competencies for functioning so that it can achieve its desired goals and entitlements.

9. The Supremacy of Results Over Unintended Consequences:

The ability to control outcomes and prevent adverse consequences. This characteristic indicates that results prevail over unintended consequences, enabling the system to monitor, control, and dominate outcomes. This trait involves efforts to prevent undesirable consequences while maintaining health, sustainability, and continuous efficiency within the system.

Appendices

Capabilities tell you what the system can do (abilities, capacities, talents, potentials, etc.).

Characteristics describe how those tasks are performed (being healthy, safe, efficient).

Systematic Links Between Capabilities and Fundamental Characteristics in Existence:

1. Compliance and Efficiency

Compliance refers to adhering to laws and principles, which can enhance the efficiency of the system. When a system properly follows directives, it is likely to utilize resources more optimally and achieve better outcomes.

2. Proactivity and Adaptability

Proactivity means assessing and selecting the best options for the future, while adaptability refers to the ability to adjust to changes. Both **characteristics** are interdependent; for a system to be proactive, it must possess adaptability and evaluate challenges to better align itself.

3. Wellness and Protection

Both **characteristics** emphasize the health and sustainability of the system. A healthy system must remain free from dangers to function effectively. Protection can contribute to the system's wellness, as preventing harm allows for more effective operation.

4. Resilience and The Supremacy of Results Over Unintended Consequences

Both **characteristics** highlight the system's ability to face challenges. A resilient system can maintain positive outcomes even in the presence of unintended consequences. The supremacy over unintended consequences stems from the system's capacity to preserve balance and stability.

5. Efficiency and Excellence Driven by Competence

Efficiency requires competence and qualifications. An efficient system must possess the necessary skills and knowledge to achieve optimal results. Excellence driven by competence can lead to greater efficiency within the system.

6. Adaptability and Compliance

Adaptability necessitates that the system can follow laws and principles while also being able to adjust to new conditions. Compliance can aid adaptability because if a system adheres well to principles, it will be better equipped to adapt to new changes.

7. Proactivity and Resilience

Proactivity can help create a resilient system, as identifying potential threats allows the system to prepare for them. A proactive system can effectively prevent crises through appropriate planning.

8. Protection and Wellness

Protection requires healthy conditions. If a system is safeguarded against risks, its wellness is likely to be maintained. Protecting the system can contribute to its health, and conversely, a healthy system is generally more protected against threats.

Conclusion:

This analysis demonstrates that there are meaningful connections between the eight **fundamental capabilities** and the nine **fundamental characteristics** in existence. Each of these **characteristics** can complement one another and enhance the overall performance of the system. Ultimately, these connections lead to the creation of a sustainable and efficient framework in existence that can adapt to challenges and environmental changes. It could be argued that embracing a system of capabilities and adhering to **fundamental characteristics** in existence are the algorithms employed within existence itself. By discovering, recognizing, and considering these **capabilities and characteristics**, alignment, coordination, and the necessary adaptability for achieving growth, well-being, and flourishing for humanity are facilitated.

Source: personal research and access to sources of scientific publications in various fields.

Note: The original version of this article was prepared in Persian and then translated into English. Therefore, if a better translation is produced, a new version will be provided.

Thank you for the time you've provided.

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07,January,2025

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