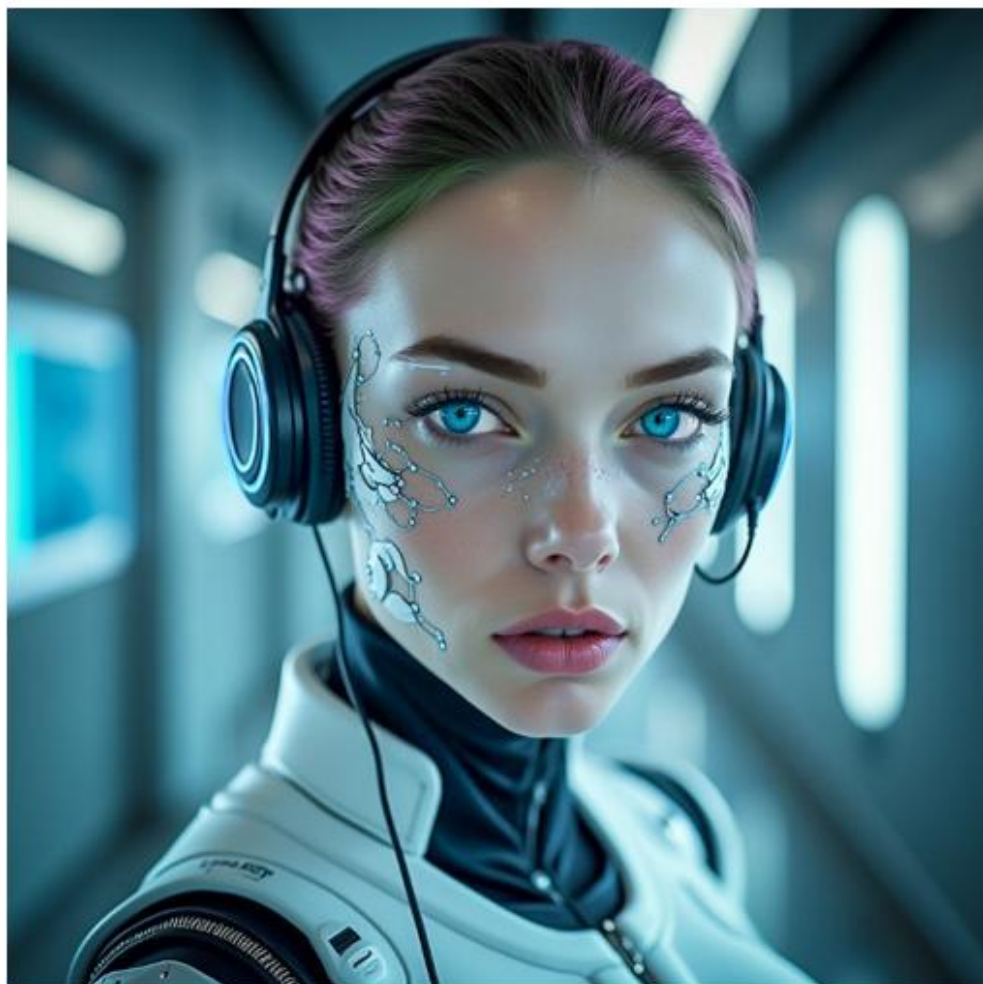


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Cassandra and the General Law
of Functionality

Cassandra



'Only those systems that use
optimal information can function.
Let me test yours'

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Training Course : one day, online or live at your office world-wide

Session I Morning Program

Pre-training Test

We ask 10 questions to test existing knowledge in order to assess specific areas that need in depth coverage. Asking general questions related to intended goals of this learning allows customizing the training program to ascertain optimum benefit to the students.

Session 2 How and why information sustains us and all living systems.

In order to understand and being able to realign our human action with nature and withing natural constraints, we have to know many aspects of natural and biological laws and constraints

- The origin of our world; is the Big Bang Theory correct or just probable?
- Is information probably the fifth state of matter?
- How can information be quantified?
- Role Play; we play the Game of Twenty Questions

Session 3 What is Entropy and Negentropy? Thermodynamic and Energetic Testing

- Understanding the basics of Thermodynamics
- Maxwell's Demon
- Entropy and Negentropy

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- VanCampen's Law (Dysfunctionality/Entropy Formula):

$$\neg p(m-(i\equiv e))>r\rightarrow\Delta S>0 \text{ and } (m-i)>r\rightarrow\Delta S>0$$

- VanCampen's Law (Functionality/Negentropy Formula):

$$p(m+(i\equiv e))\leq r>0\rightarrow J \text{ and } (m+i)\leq r>0\rightarrow J$$

p= perception, m=mass/matter, e=energy, i=information, r=realiteit, ΔS =disorder, J=order

Session 4 Afternoon Program

Application of the General Law of Functionality by understanding the Cassandra reporting in detail

- Holistic and Empirical Synthesis.
- Social Interdependence Theory (Johnson and Johnson)
- Kenneth Bailey's Social Entropy Theory.
- External Effects Analysis- Externalities
- Ashby's Law of Requisite Variety.
- Stafford Beer's Viable System Model (VSM)
- Game Theory
- Symbiotic relevance

Session 5 Application of Cassandra's Powers to business, society and our own lives. Open discussion with the students about how we can benefit from this law in daily life.

- Health and Safety
- Business
- Government
- Society
- Daily Life