

Adm

Information from the popular view as a scientist, a process involving reduction of uncertainty is related to novelty and utility, reducing the uncertainty ranges about everyday decisions, this information increases with the complexity of society itself. **1** . Data, annotation of an event or occurrence, when a data set we have is meaningful information. **2**. Information: dataset with a meaning which reduces uncertainty or increases knowledge of something, a particular message context, available for immediate use to reduce margins of uncertainty for decision making. **3**. Communication occurs when information is transmitted to someone, so that there is need that the recipient of the information is received and understood, communication is to make common to one or more people a certain information.

Concept Redundancy is the repetition of the message to ensure proper receipt, enter into the communication system capacity to remove noise and prevent distortion in the reception of the message.

Concept of Entropy and synergy: entropy is the 2nd law of thermodynamics and refers to the loss of energy in isolated systems, leading to its degradation. Lose parts of the system integration and communication among themselves and make the system break down. Negative entropy or negentropy is the disintegration of this death, to survive must replenish energy and information. Synergy (working together) that exists when two or more cases occur, acting together, an effect greater than the sum of the effects is a multiplier effect on the parties. **Concept of computing:** computer technology is part of the cyber is relations between things and their characteristics, for submission by carriers of information. **Automation:** Synthesis of ultra mechanization (best combination of media), automated systems emerged. In cybernetic automata are mills that contains devices capable of receiving information about the external environment and produce actions. The automation covers three different sectors-chain integration continues in various operations carried out separately, as the manufacturing process. -Use of feedback devices and automatic control (feedback) to the machines themselves correct their mistakes. Computer-use to accumulate volumes of data in databases and analyze it through complex logic operations.

Information technology (IT): main product of cybernetics, that invades the lifestyle of people and organizations that are causing changes:

Understanding Space: buildings and offices suffered a reduction in size. The data processing centers were reduced to the minimum and decentralized through integrated networks of microcomputers. Virtual enterprises emerged connected electronically, dispensing buildings and reducing overhead, portability and virtual reality have become the new spatial dimension by IT ..