

Chapter 16 Genetic Information: Epistemological and Ethical Issues

Amazon Link: http://www.amazon.com/Handbook-Information-ComputerEthics/dp/0471799599/ref=sr_1_1?ie=UTF8&s=books&qid=1269175801&sr=8-1

What I expect to learn: What I expect to learn from this chapter is to know what Genetic Information is all about and its relation to Epistemological and Ethical Issues.

Quote: "To achieve such a vision in a positive sense, culture cannot be separated from biology."

Review: The chapter talks about Genetic Information. Let us first define what Genetic Information all about. Genetic information is related to Genetics which the main idea or topic is all about Genes and DNA's. It is the time where many scientists are studying about the relation of DNA and RNA while studying it they are relating it to Information Technology by using technologies that are most recognized at that time and by analyzing they are gathering information on what to do and these information are what they are using to apply it to information technology. Based on the text "According to Kay which is a historian that around the year of 1950 molecular biologists described genetic mechanisms without ever using information" that is why many scientists learned from these mistakes which makes and force them to use information on analyzing and studying research problems for them to be in a good and proper conclusion that will lead them to a bright future. Analyzing and knowing the information of a certain problem is important because without gathering information first we will not know what the problem is all about and we cannot formulate a solution without knowing what the problem is and with the use of information technology in Genetic Information in determining Genes it is said to be unethical because chemicals are reacting and by examining a DNA of a certain person some other DNA's and chemicals might be on the person's body if they will examine it so scientists need to be extra careful on what they are doing and make sure that it will work.

What I have learned:

1. Genetic Information is all about Genetics.
2. Genetics is determining types of DNA's.
3. It is also the study of the comparison of RNA'S and DNA'S and proteins.
4. Information technology helped the Genetic Information.
5. Scientists used information to examine and analyze the DNA and RNA.

Integrative Question:

1. What is the relation of the chapter to ethics?
2. Are there any other methods besides IT that the scientists can use in examining the DNA and RNA?
3. What is the difference between DNA and RNA?
4. Why is it important in the IT industry?
5. What is life without DNA and RNA?