Human diseases, to help establish new strategies for their diagnosis, cure and prevention.

The Human Genome Project (HGP) was going to offer different research perspectives by revealing the genetic factors in the next generation. Institutes were aided by the U.S. federal government financially and otherwise. Significance of HGP can be highlighted through the following points:

- It can be further explained as living creature’s genetic material which contains the hereditary information, complement and all of the hereditary material possessed by an organism.
- Human Genome and Its Importance

An Overview of the Human Genome Project

Human Genome Project


Partners

Completion

Objectives

Impact

It is worth mentioning that the mankind will continue to reap the benefits of the Human Genome Project for long period of coming time.

Human Genome Project had the following objectives:

- It enabled researchers to find a gene suspected of causing an inherited disease quickly.
- It resulted in developing 350 biotechnology-based products.
- It is believed that the mapping of human genes has marked the beginning of the ‘biology century’, during which the fields of medicine and health care are going to flourish immensely.
- It allowed the Search engine project at Yahoo! and the HapMap in basic disease of DNA.
- It has aided the discovery of more than 1,800 disease genes.
- It paved the way for more than 1,000 genetic tests for various human diseases/conditions.
- It laid foundation for the development of the HapMap in 2005 which is a catalog of common genetic variation or haplotypes in the human genome.
- It resulted in 18 countries participating in this global effort.
- It was specifically aimed to make, all data generated by the Human Genome Project, freely available on the internet so that the medical sciences could prosper around the globe.
- It provides a framework for social, ethical, and legal issues that may arise from the project.

It was organized to last 15 years but due to rapid technological advancements, it was completed in June 2000, In February 2001, the working draft was completed, In April 2003, the project was completed. HGP was due to finish in 2005.