

Project Proposal

Presented by:

1. Sumesh Harale, NUID - 001069129
2. Krishna Singh, NUID - 001028148
3. Keshav Gupta, NUID – 001378461

Objective:

Global Health Network is a bio-technology network on global scale with focus on the development and marketing of new drugs for treatment of disease in healthcare patients anywhere in the world. The Eco-system maintains statistical data of an active chemical compound effective in targeting a certain gene in a disease and provides a chemical compound to the test the effectiveness in targeting other diseases that share the same gene. We believe that adopting a common global data standard and upgrading healthcare value system would benefit Global Health Network eco-system in further improvements of patient care.

Application Key Functionalities:

- Doctor Organization
- Lab Organization
- Drug Organization
- Pharmacy Organization
- Chemical Organization
- Admin Organization

Proposed Entities:

- Global Health Network integrates data coming from different sources of healthcare system.
- To provide a common platform for global biotechnology companies, to focus on the development and marketing of new drugs for the treatment of disease in healthcare patients anywhere in the world.
- Drug enterprise keeps tracks of the gene and their targeting chemical compound. This way, a drug manufacturer can create a new drug in the future when a new disease is occurred by combination of existing genes to avoid any delays in manufacturing a new drug.
- The application focuses to do analysis on data Global Health Network owns in all phases of healthcare value chain from chemical compounds to all the way to patient's treatment and recovery.

- Data management
- Procurement – providing a method for inventory tracking
- information sharing & collaboration- sending the disease-related information from the hospital to the lab and lab to the drug company from there to chemical enterprise.
- Provide a dashboard for Global Health Network to view sales of medicine, predominant gene in all diseases and common disease in a network.

Ecosystem Architecture Diagram:

