



Bilkent University
Computer Engineering Department
CS 491 Senior Design Project I

Assessment of Innovativeness

Title of the project: CrypDist

Members of the team: Mehmet Furkan Sahin, Oguz Demir, Turan Kaan Elgin, Onur Uygur, Gizem Caylak

To be filled by the Innovation Expert

Considering the definition of innovation as creation of better or more effective products, systems, services, or technologies that have the potential to be accepted by markets, governments, and society, please assess the innovativeness of the above mentioned project below.

What is the nature of the innovation in the project?

CrypDist will attempt to use the blockchain framework to create a distributed database to keep metadata for de-identified genomics data to get around the technical and political limitations that come with keeping such data in traditional databases controlled by single authorities. Applying this methodology that became popular with Bitcoin to a very different problem constitutes the primary innovation of the project.

Are there similar products, systems, services, or technologies in the market? If there are, what are the differences in relevant aspects, such as cost, efficiency, usability?

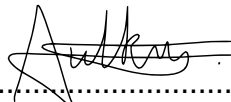
Currently there is no similar system in the genomics space that provides a platform for non-centrally controlled access to genomics data. There are discussions by certain groups around building a similar platform, but there hasn't been significant progress.

Who are the potential users?

Genomics researchers and health clinics around the world.

Innovation Expert

Name:Utku Azman.....

Signature:.....

Date:.....12.10.2016.....

Degree of innovativeness: 19 (out of 20)