IOST Assignment Group 10

1. **What is your product or business model about?**

With the help of blockchain technology we want to change and improve the voting system, including voter registration, identity verification and electronic vote counting.

1. **What kind of problem or issue are you trying to solve? What impact does it have & who benefits?**

* Preventing parties from rigging election results
* Make sure that only legitimate votes are counted
* No votes can be changed or removed
* Gives incentive to vote
* Access to voting

An immutable, publicly viewable ledger of the recorded votes will make elections more fair and democratic. Everybody will profit from such a system, however, it would be especially useful in countries which have had problems regarding rigged elections in the past.

1. **How is blockchain technology used?**

Currently votes are recorded, managed, counted and checked by a central authority. In some countries there is big trust in this central authority (for example in Switzerland). However, there are many less developed countries with untrustworthy leaders (even in the US there were debates on ridded election results in 2016) that would benefit from a decentralized system. Voters would be empowered to hold a copy of the voting record (the blockchain). Therefore a blockchain based system would shift power and trust away from central authorities and instead allow for community consensus.

In addition to fostering transparency and security, the combining use of tokens could increase voters participation. In many countries voting participation is low due to lack of incentives and difficulty in access. Electronic voting on the blockchain solves both of these issues by giving easy access and also incentive through tokenization.

1. **Why could IOST be the best platform for this?**

Traditional blockchain systems have a trade-off between safety and scalability, both of which are inherently essential for a voting platform. IOST solves this problem with the proof of believability consensus mechanism, which makes it the best platform to use for this case.

1. **Draw a diagram or system design**

