Project Outline

# Intention

The intention is to create a block-chain based platform to help people share their personal/social/professional information, on need bases, to organisations/individual who seek to gain some insight or for user behaviour modelling purposes. The person sharing this information, via smart contract, in return will get some royalty in the form of the platform tokens which can be exchanged for fiat or other services on the platform.

The platform will support following types of information based on the time-to-live (TTL)

1. **Short Lived Information:** This type is a short-lived information, which will be expired as per the time limits specified in smart contract. The authenticity of such short lived information will be validated by other users of the platform via up votes/likes. Possible Example, tweets on GPS coordinates
2. **Long lived information:** This type, deal with information which have some value to the information seeker. This can be further classified into sub categories such as
   1. **Verifiable**, examples, driver’s license

This type of information will need a third-party validator which will be part of the smart contract. The entity interested in the user’s information will contact the third party validator for this information which will be release to the requestor in exchange of a fee, in the form of platform token, which then will be shared between the validator and the user.

* 1. **Non-verifiable**, examples, product review

This type of information will not be verified by any external validator, but rely on the data which can be gathered by other means such as device sensors, tax invoices etc.

# Milestones

1. Smart contracts to represent different information types
2. A desktop/mobile application for the user to feed in information which they want to share.
3. A desktop/mobile wallet for the user to hold platform tokens.
4. May be an application for external vendors to verify and expose verified information.

# Tasks and Timelines

|  |  |  |  |
| --- | --- | --- | --- |
| **Tasks** | **Start** | **Finish** | **Days** |
| Week 1 | 26-Feb | 5-Mar | 7 |
| Setting up the test environment | 26-Feb | 28-Feb | 2 |
| Project Outline | 26-Feb | 27-Feb | 1 |
| Project Proposal | 26-Feb | 5-Mar | 7 |
| Week 2 | 5-Mar | 12-Mar | 7 |
| Designing Smart Contracts | 05-Mar | 12-Mar | 7 |
| Week 3 | 12-Mar | 19-Mar | 7 |
| Designing Smart Contracts | 12-Mar | 19-Mar | 7 |
| Week 4 | 19-Mar | 26-Mar | 7 |
| Desktop Application | 19-Mar | 26-Mar | 7 |
| Week 5 | 26-Mar | 2-Apr | 7 |
| Desktop Application | 26-Mar | 2-Apr | 7 |
| Week 6 | 2-Apr | 9-Apr | 7 |
| Desktop Application | 02-Apr | 9-Apr | 7 |
| Week 7 | 9-Apr | 16-Apr | 7 |
| Desktop Wallet | 9-Apr | 16-Apr | 7 |
| Week 8 | 16-Apr | 23-Apr | 7 |
| Desktop Wallet | 16-Apr | 23-Apr | 7 |
| Week 9 | 23-Apr | 30-Apr | 7 |
| Vendor Application | 23-Apr | 30-Apr |  |
| Week 10 | 30-Apr | 7-May | 7 |
| Mobile Wallet | 30-Apr | 7-May |  |
| Week 11 | 07-May | 14-May | 7 |
| Mobile Application | 7-May | 14-May |  |
| Week 12 | 14-May | 21-May | 7 |
| Project Presentation | 14-May |  |  |
| Week 13 | 21-May | 28-May | 7 |
| Project Report | 21-May | 28-May |  |
| Week 14 | 28-May | 4-Jun | 7 |

# Unknown’s

1. How to make sense of the information? AI on AWS Cloud, Grammer
2. How to store this information? Simple encrypted strings or Data Structure such as
3. How to authenticate and truthfulness of non-verifiable information? Up votes/likes, miners
4. How to employ verifiers to verify and validate the verifiable information? Sharing of the fee.
5. Metadata of the information so that people can subscribe to such information? Mining based on subscription