

From
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To
The HR,
LDRP University,
Sector - 15,
Gandhinagar – 382007.

Dear HR

Subject: Business Proposal for Blockchain based Examination System Software

I am very pleased to showcase my business plan for Link Up Link Technologies. Inside, you will find a wealth of information about my business, a thorough analysis and assessment of the opportunities in the marketplace, and an informative plan for grabbing them. I look forward to the responsibility and graciousness of working with you to make Link Up Link Technologies a success in the upcoming years.

I am eager to hear your feedback, comments and questions you may have. You can reach us at support@LinkUpLink.com.

We will try our best to answer all your queries in the best optimal way.

Thank you for your patience, time and precious attention.

Sincerely
Viren Sureja
(The CEO of Link Up Link Technologies)

Myself Viren Sureja CEO of Link Up Link Technologies, to present you my business proposal on behalf of Link Up Link Technologies Pvt. Ltd. proposing the proposal about:

Blockchain Based Examination System

Date Submitted on: October 24, 2020
Submitted to: THE HR, LDRP

SR No.	TABLE OF CONTENTS	PAGE NUMBER
1	Executive Summary	4
2	Need of the System	5
3	Proposed Solution	6
4	Qualifications	9
5	Pricing	10
6	Terms and Conditions	11

EXECUTIVE SUMMARY:

- ❖ The fundamental target of this proposition is to give a Blockchain based system to directing and assessing academic tests in a distributed way with auto-generation of certificates upon effective completion of the assessment. I will explain how a self-continued instruction targeted system can be created with the head of a blockchain for a reasonable assessment without the need of physically checking every condition or degree that demonstrates one's adroitness over a subject.
- ❖ As to make the test as straightforward as we could reasonably be expected, we store the hash-digest of each question posed and each question replied storing each and every minor details, legitimately on the blockchain. Hence increasing the credibility to obtain the certificate after analyzing every action from the student side.

PROBLEM STATEMENT/NEED OF THE SYSTEM:

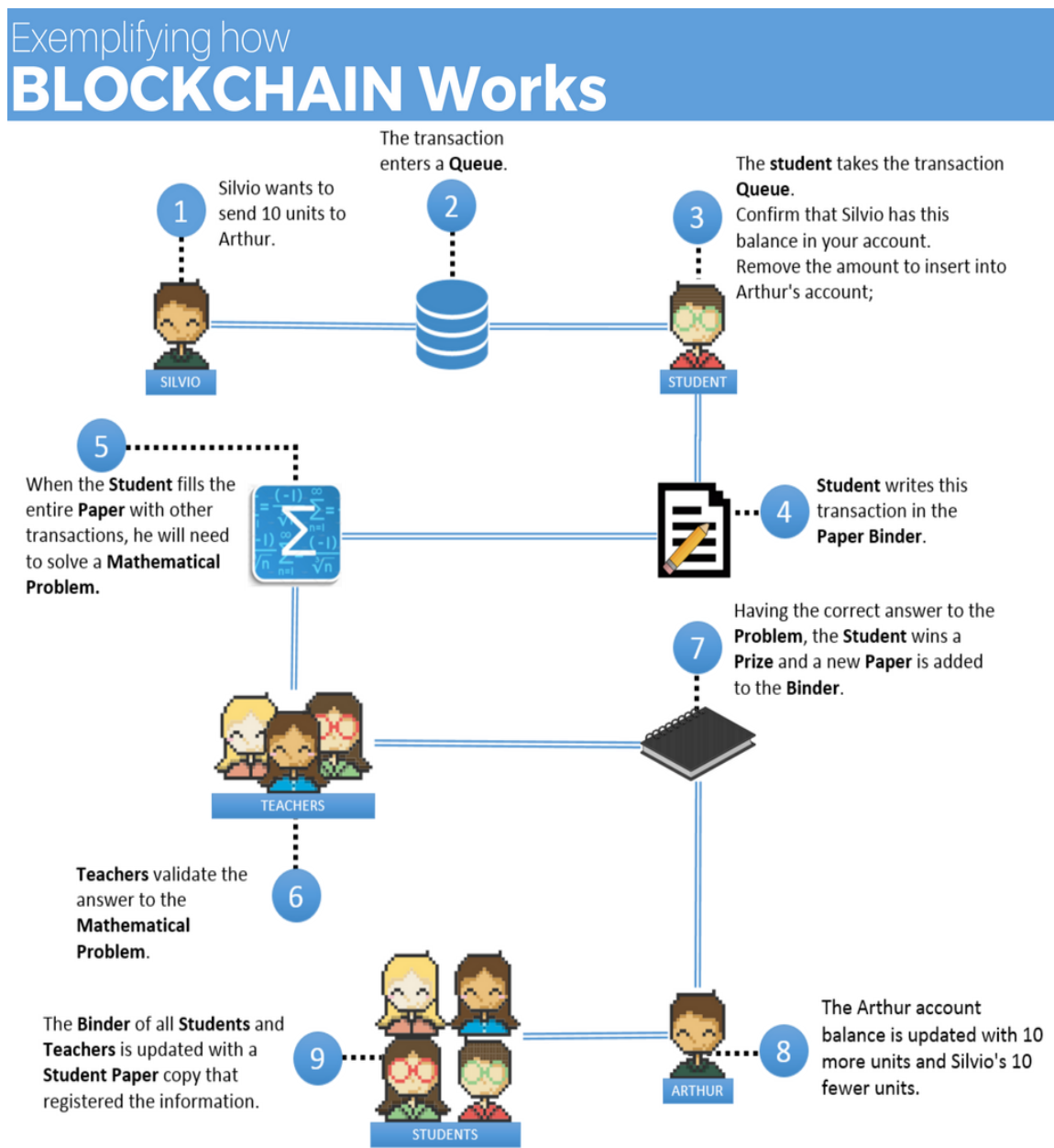
- ❖ An evaluator from an educational institution validating the answers to the questions asked is part of the current examination system. The validation carried out by the evaluator is, however, not re-validated. It is done by a handful of individuals in cases where re-evaluation is done. This makes the assessment system extremely centralised and there are many issues associated with centralised assessment.
- ❖ Centralized assessment is extremely vulnerable to score-manipulation. At any stage, the manipulation can be done from the first assessment to the manipulation during the final data entry in the database.
- ❖ So the solution to this is decentralized system as the system will be in the monitor of various people in the institute with controlled power hence bribe or any malicious activity will not be possible also on the other hand the detail name of the student will be in hash chain or hash keys so that equality among the students so no casteism.
- ❖ Now as mentioned in the above paragraph the centralized system will be responsible for the bribe or fail stamp to those student who are qualified but has raised voice for some issues in past or some will get passed which are not qualify hence with our entirely protected block chain System cannot be breached from any side and hence will safely give a chance to student to take stand against the authority with enough proof via our software. Also from the side of the admin the authority will also have the proof of the person.

PROPOSED SOLUTION:

The proposed solution can be explained with the help of the following flow framework:

- ❖ To verify that they are either students or educators, users register with a gatekeeper of the blockchain at the blockchain front-end. Users could provide a signed message from their known public handle to Pretty Good Privacy (PGP) and verify it from their academic-email id.
- ❖ We allow them to call functions that generate and allocate a public / private key pair to interact with the blockchain once we verify that the users are indeed teachers or students. With the help of a unique code assigned to them after manual verification, the keys are generated. User details are removed from the server to verify user authenticity after user verification and the keys are assigned to keep the system decentralised from an operational point of view.
- ❖ A user can then perform the following major tasks once a key pair is generated.
 - New questions signed with their private key are posted. With the corresponding tags, existing users post questions. A transaction signed by the user's private key is the mechanism for posting a question. For everyone to verify the authenticity of the transaction, the public key is made available in a public repository of each account on the blockchain.
 - Existing users will post answers to the questions previously posted. The mechanism of posting is a transaction signed by the user's private key to post the reply. Post answers to existing questions with a private key.

Now let's try to understand all of these process with the help of a diagram:



- ❖ Block chain is actually was made for currency tracker or verification transfer but as we are using it for the exam evaluation we are assuming each children or participant as the customer and their deal as giving exam, they attempt the exam and as we show transaction details here we would be showing the transfer of grades or marks he/she achieved during this exam.
- ❖ Lets analyze step 1 in the diagram here. The teacher wants to conduct the exam and he will set the paper and upload it on our software and we will assign the keys to it.

- ❖ Currently max marks will be credited to the teachers account and will be transferred to students according to their qualification in form of marks.
- ❖ Now this both information will be updated in the database and will be saved for the exam time.
- ❖ Exam will be conducted till then teacher will have already uploaded the solution to the problem will be checked and also parallelly the authenticity of the user will be checked and hence will be qualified for the result.
- ❖ Each student's key will be sent to the teacher and hence result will be stored in databases for and responding data to it. And will be used in future.
- ❖ When the results will be declared each hashKey will lead to the student details and hence will be printed.

QUALIFICATIONS:

- ❖ To prove more about our qualifications and standard you can visit our website to view dynamic testimonials from the respective colleges and schools where we have established our system, fully functional and increasing the productivity and the accuracy of the respective institution.
- ❖ Another facility we are providing is the test demo in your college or school what we would be doing is that setup temporary platform and you have to provide details of the student conducting the test exam and whole process will be shown to you at your fingertip and result will be declared with statistics of summary containing data about accuracy and student activity monitored during this whole process.
- ❖ Also during this pandemic situation several students from prestigious universities are being caught or manipulated with the platform conducting the exam hence to overcome that we are using this methodology to redefine your system's security and integration of the examinations standard.
- ❖ We can also check the current loopholes being breached or breached in past by any of the person from university
- ❖ Our main goal is to introduce your institution with the best software such that to reduce the physical evaluation as much as we can, increase the security and guidelines, and make our system zero loophole certified.

PRICING:

Criteria to define the pricing is as under:

Software type	Price + Tax	Maintenance	Capacity of Students
bronze	15 L + 7%	As per condition	< 5,000 students
silver	20 L + 6.5%	As per condition	<10,000 students
platinum	30 L + 4 %	No Charge	Any no. of students

- ❖ prices mentioned here are on a yearly basis.
- ❖ The tax defined is according to government standards .
- ❖ Here the tax will be calculated on the basis of prior price given.
- ❖ For next subscription for next year the price will decrease by 30% and will continue for the rest of the subscription part.
- ❖ Also if you think your university or college is not able to pay the full amount we also have the facility to divide the salary into chunks and can be paid accordingly but this scheme will be discussed in person to person.

TERMS AND CONDITIONS:

- ❖ Payment : payment has to be paid within the time period of 10 days once the confirmation of the software is done from the university end. If not paid then the respective institute has to pay the fine charge of Rs. 1000 per day as per the maintenance cost. Also any late payment will not be entertained while re-subscribing the software.
- ❖ Third Party Problem: if any third party complains about the respective institute in which our software is involved then the responsibility will solely be of the institute itself and not the service provider.
- ❖ Intruding: any intrusion in our software where any module is being traded or any malicious activity is recorded by our company then necessary charges will be applied depending upon the crime and may the matter can lead to the court.

AGREEMENT:

If you agree to the terms and the condition in the proposal, please sign in the box below:

