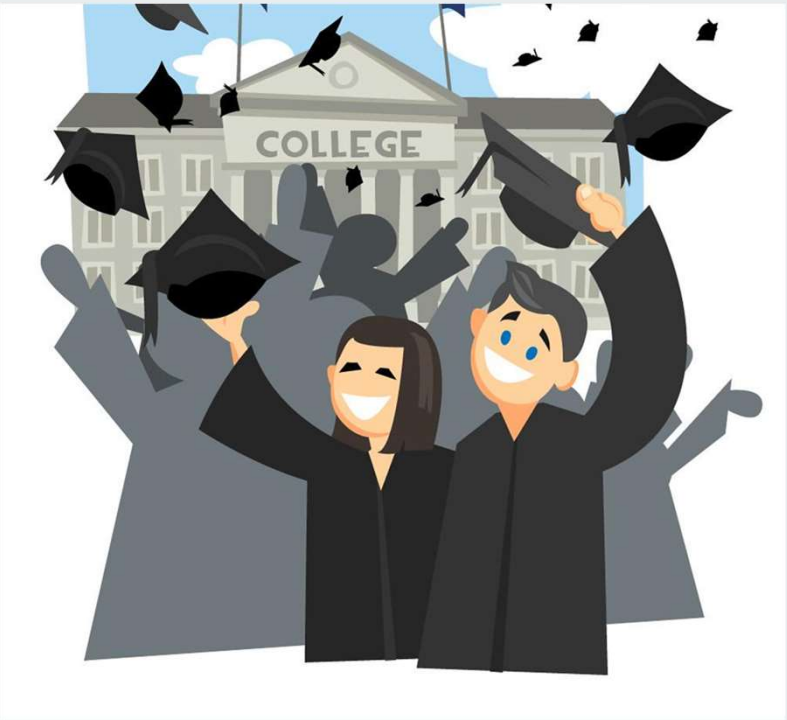
Case Study



Shri L R Tiwari College Of Engineering
Mumbai- Maharashtra

PROBLEM STATEMENT

Shri L R Tiwari College Of Engineering

How A Leading Engineering College in Mumbai, boost its efficiency by 75% through Blockchain based Digital Certificates Issuance and QR Code based Verification

LearningChain | Case Study

Client Profile

Rahul Education,the parent organization, covering five registered educational societies, is a reputed quality education provider. It comprises over **57+ institutions, spread across Thane, Palghar and Pune districts of Maharashtra and Chandauli district of Uttar Pradesh**.

Each individual at Rahul Education works with the single vision of providing 'Education for All', and achieving the mission of bringing progress through comprehensive quality education. Rahul Education is proud of its **70,000+** students and their parents who boast about its commitment to provide quality education from Pre-School to Post Graduation

Shree L. R. Tiwari College of Engineering (ISO certified, NAAC accredited), established in the year 2010, was the first engineering college in Mira-Bhayandar, and since then has provided a sound platform, equipping students to stand on their own feet, visualize, grow and build a bright future in the ever-growing industry. The college offers 6 full-time UG courses leading to the degree of Bachelor of Engineering (B.E.) from the University of Mumbai and also offers Master of Engineering (M.E.) in Computer Engineering and Electronics & Telecommunication. All courses are approved by the All India Council for Technical Education (AICTE), New Delhi & Directorate of Technical Education (DTE), Maharashtra State.

Challenge 1

Tamper-Proof Digital Certificates

Traditionally it has been issuing Paper Degrees, which needed manual verification by the registrar's office.

Student Academic records have a lifetime value. SLRTCE wanted a solution that allows its students to hold these records in a native digital format that will enable them to verify these records over their professional life without having to depend on any manual/human-based verification.

Challenge 2

Fast & Easy Verification

It has Variety of Courses comprise of Undergraduate, Post Graduate and Diploma & Certificate - nearly 5000 students.

Exam Deptt. receive calls from various companies, enquiring about the students completed their courses from SLRTCE despite them having produced the certificate of completion.

Each such call made SLRTCE team wonder, how do we solve this problem of repeated calls, build trust in the certificate issued.

Challenge 3

Tracking & Distribution

Issuance of Certificate in Bulk that too with Real time monitoring and confirmation.

SLRTCE was suffering from huge mismanagement about the numbers of certificate issued to which branch and semester.

Tracking Verification status was also the biggest challenge for Exam Deptt. Keeping records manually about verifiers

Solution 1.

LearningChain Understood the needs and problem of SLRTCE. We showcased our Certificate generation tool for single and bulk generation. The Blockchain technology to secure the awarded tamper-proof digital certificate was the solution for their problem

SLRTCE chose to partner with LearningChain to issue Blockchain anchored Digital Certificates and Transcripts to its student.

LearningChain platform allows SLRTCE to issue Digital Credentials that are Time Stamped, Immutable, Instantly, and Independently Verifiable by anyone whom the students choose to share.

Benefits For Stakeholders

SLRTCE: Issuing Verifying credentials, using advanced technology like Blockchain used by some of the world's leading Institutions- such as MIT, IIT Kanpur adds another degree of trust in the brand equity of SLRTCE

Students : These certificates are trusted documents , giving complete autonomy to Students to share them with anyone.

Having Tamper-proof digital certificate provides improved employment chances over someone with manual credentials as it signifies trust and shortens the hiring cycle for the HR departments.

Verifier: The decentralized process of verification is independent of any intermediary such as a verification agency or the issuer. The Background verification process that used to take weeks or even months at times can now be achieved in seconds, and that too without paying to any intermediaries or waiting for mail replies.

Solution 2.

SLRTCE chose to partner with Learningchain, to solve Verification problem.

Using Learningchain's Digital Credentialing platform SLRTCE is able to issue instantly verifiable certificates enabled with QR Code.

HR/ Verification Body has to visit the SLRTCE's website and click on the Verify button .

Simple !

60 seconds and the verified copy of the certificate will be there to see online.

The phone calls finally stopped….

Benefits For Stakeholders

SLRTCE: Resource Saving- **Attending the Verification Agencies calls , replying their mails and searching for past documents in files or database was a tedious and mundane task for Exam Department . This help them in saving their time and money and also impact the efficiency**

Students: Improvise the chance to gain attention from potential employers by showcasing the Verification Badge on Linkedin. With Learningchain wallet, no need to bookmark a mail or maintaining the file in computer. Everything is in your mobile and just a click away…

Verifier : One stop verification with online payment facility helps in minimising communication channel , which in turn speed up the process and increase transparency upto 100%

Solution 3.

Learningchain knew the pain of Data Management , hence came up as a rescue to SLRTCE in managing and tracking the Certificate Verification Process.

Learningchain is providing a Dashboard, which gives 360 degree tracking and helps in checking record. Like -

1. **How many numbers of verification request has come in a week or a month or a year**
2. **Name of the Company/Agency/Verification body**
3. **Total Amount received in Institution's account from verifiers**
4. **Which Branch has got the maximum number of Verification requests**
5. **Number of successful Verifications**
6. **Number of unsuccessful Verifications**

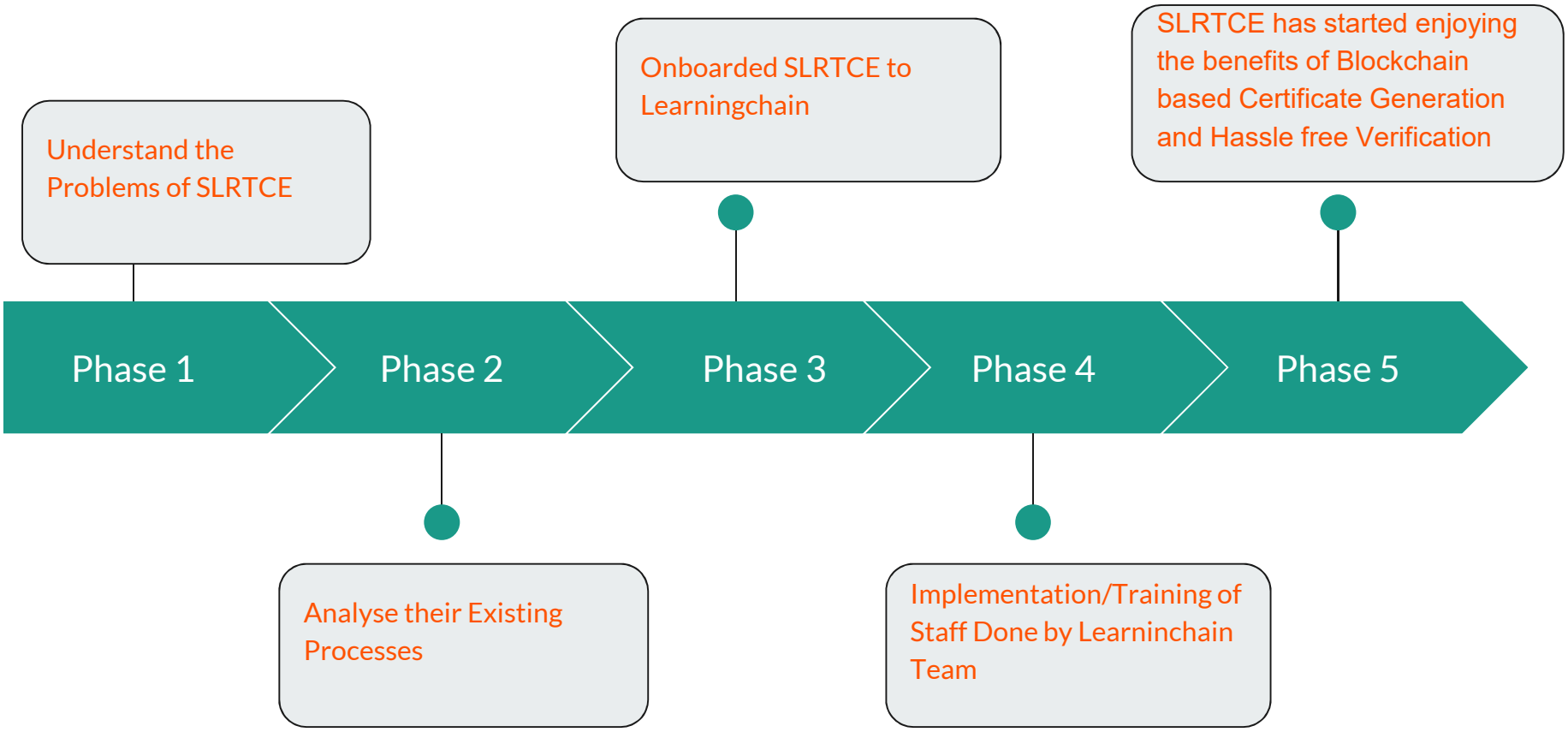
Benefits For Stakeholders

SLRTCE: **Exam department now easily check all the data in a go with real time monitoring , hence maintaining long lasting physical records is no more needed . Which in turn reduce the data maintaining cost and increase the amount of time for other important Exam Management tasks.**

Students: It is very easy and fast now to get a Duplicate Certificate, in case of loss of certificate due to some reasons.

Verifier : Time reduction is one of the top benefit for verifier .

Implementation


Understand the Problems of SLRTCE
Onboarded SLRTCE to Learningchain
SLRTCE has started enjoying the benefits of Blockchain based Certificate Generation and Hassle free Verification
Phase 1
Phase 2
Phase 3
Phase 4
Phase 5
Analyse their Existing Processes
Implementation/Training of Staff Done by Learninchain Team

Impact

1000 Tamper-Proof Digital Certificates issued

Almost 100% Verification is Automated now with one stop Tracking Dashboard

Exam Department Time Reduced from 7 days to 60 seconds

5 Courses Empowered with Learningchain's Digital Certificate Tool

3-5 Lac INR Cost saving per year by adopting Digital Certificate Generation

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Thank You

Our Vision is to help Every Higher Educational Institutions in their Digital Certificate Generation and One click Verification Process Journey….

Want to see in Action ?

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Powered By: Sapphirus Systems Pvt Ltd.