Submission Summary

Conference Name
2020 IEEE 5th International Conference on Computing, Communication and Automation (ICCCA)

Track Name
Track 2: Computing Technologies

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489

Paper Title
Studentchain: Digitizing and Authenticating Student Portfolios using Decentralization

Abstract
Education is a sector where the introduction of blockchain will bring a revolution to the way an organization perceives trust factor in the ecosystem. StudentChain is a pilot project for implementing the blockchain ecosystem at the Institute level for Student Portfolio Management. The documents of students that they generate in their educational phase are approved by colleges before they are handed over to them. We can shift this process over to blockchain and capture these documents using Ethereum Network for data related storage and by using IPFS for file related storage. A Digital Signature by the appropriate authorities added after proof of consensus by means of biometrics will enhance the trust level among the stakeholders of the ecosystem.

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Submission Files
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