

Ethereum Smart Contract for Healthcare Insurance Industry Using Blockchain

Mohsin Sheikh¹, Shadab Sheikh², Obed Khan³, Sharikh Sheikh⁴,
Tushar Waghmare⁵, Kunal Tagde⁶, Prof. Imteyaz Shahzad⁷

Students, Department of Computer Science and Engineering^{1,2,3,4,5,6}

Professor, Department of Computer Science and Engineering⁷

Anjuman College of Engineering & Technology, Nagpur, Maharashtra, India

Abstract: *The major goal of this research is to gather and analyse data in order to estimate some key statistics about microinsurance in the current Indian market. The data would be useful in developing better insurance plans to help India's Life Insurance business grow. The project's purpose is to create an Ethereum network. Ethereum Smart Contract Insurance will allow the user to obtain health insurance through a smart contract. We can set the Citizen's Data and the Citizen's Insurance Amount, as well as the Insurance Amount by the specific Doctor. and can utilise the Insurance, with the ether used being debited from the Citizen's account.*

Keywords: Microinsurance, Estimate Key Statistic, Smart Contract Insurance.

REFERENCES

- [1]. Nitish Singh. "Blockchain for Insurance: Use cases and applications".
- [2]. <https://101blockchains.com/blockchain-for-insurance/Alhambra> Afros, "A Secured Blockchain Regime for the Insurance Industry- A Legal Analysis".
- [3]. Studies in Indian Place Names, 2020 - archives.tpsindia.org.
- [4]. M. Railway, S. Mazumdar, S. Run, S. Sen Gupta, A. Chattopadhyay and K. Lam, "A Blockchain Framework for Insurance Processes," 2018 9th IFIP International Conference on New Technologies, Mobility and Security (NTMS), Paris, 2018, pp. 1-4, Doi: 10.1109/NTMS.2018.8328731.
- [5]. N. Diab, H. Ghazzai, H. Besbes and Y. Massoud, "A Secure AIDriven Architecture for Automated Insurance Systems: Fraud Detection and Risk Measurement," in IEEE Access, vol. 8, pp. 58546- 58558, 2020, doi: 10.1109/ACCESS.2020.2983300.
- [6]. Lamberti, F.; Gatteschi, V.; Demartini, C.; Pranteda, C.; Santamaria, V. Blockchain or not blockchain, that is the question of the insurance and other sectors. IT Prof. 2017. [CrossRef].
- [7]. Z. Li, Z. Xiao, Q. Xu, E. Sotthiwat, R. S. Mong Goh and X. Liang, "Blockchain and IoT Data Analytics for Fine-Grained Transportation Insurance," 2018 IEEE 24th International Conference on Parallel and Distributed Systems (ICPADS), Singapore, Singapore, 2018, pp. 1022-1027, doi: 10.1109/PADSW.2018.8644599.
- [8]. M. Demir, O. Turetken and A. Ferworn, "Blockchain Based Transparent Vehicle Insurance Management", Sixth International Conference on Software Defined Systems (SDS), 2019.
- [9]. Celia Jenkins, Anuj Bahukhandi and Swathi Ramakrishnan "India: Blockchain Technology in the Indian InsuranceSector"<https://www.mondaq.com/india/insurancelawsandproducts/729182/blockchaintechnology-in-the-indian-insurancesector> 20 August 2018.