AI-Based Crowdfunding Platform Secured with Smart Contract as a Means of Encouraging Entrepreneurs of Sri Lanka

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Abstract. At present, industrial progress is defined by a myriad of possibilities, all of which differ in terms of design or technology used. However, not all of them are thriving as the market weeds out the winners and losers in the race for innovation. Furthermore, the growing number of potential financing sources for these activities does not ensure that a technology solution produced will not fail. This is because just a little number of entrepreneurial incentives will meet the crowd's backing. The popular choice, on the other hand, will thrive. This approach is likely to be aided by crowdsourcing. Trust is vital for all parties involved in generating monetization, including the contributor, the fundraising platform service provider, and even the fundraiser. This study aims to uncover success factors for Sri Lanka that influence the execution of crowdfunding projects that are hosted to generate money for their businesses. Funding information is gathered both locally and internationally via interviewing both funders and entrepreneurs. The outcome of this research shows that Ethereum or Blockchain-based smart contracts might be employed in significant crowdfunding campaigns. This study offers a suggested conceptual framework developed by evaluating contemporary literature providing facts that contribute to the development of enterprises through crowdfunding and assessing information obtained from Sri Lankan entrepreneurs.

Keywords: *Crowdfunding, Smart contract, Blockchain, Entrepreneurial culture*