

## **Abstract in English**

Blockchain technology, initially designed for digital currency transactions, holds significant potential for enhancing national elections. This video explores how blockchain can address the challenges faced in Kenya's electoral process, such as electoral fraud, lack of transparency, and logistical issues. By leveraging its decentralized, immutable, and secure nature, blockchain can revolutionize voter registration, voting, vote counting, and result dissemination. The benefits include increased trust, reduced fraud, cost savings, accessibility, and efficiency. Additionally, we discuss steps for enrolling and educating the masses to ensure a successful implementation of blockchain-based elections, thereby paving the way for more democratic and just societies.

## **Abstract in Kiswahili**

Teknolojia ya blockchain, ambayo awali ilibuniwa kwa ajili ya miamala ya sarafu za kidijitali, ina uwezo mkubwa wa kuboresha uchaguzi wa kitaifa. Video hii inachunguza jinsi blockchain inavyoweza kutatua changamoto zinazokumba mchakato wa uchaguzi nchini Kenya, kama vile udanganyifu wa uchaguzi, ukosefu wa uwazi, na masuala ya kiutendaji. Kwa kutumia asili yake ya kidemokrasia, isiyoweza kubadilishwa, na salama, blockchain inaweza kubadilisha usajili wa wapiga kura, upigaji kura, kuhesabu kura, na usambazaji wa matokeo. Manufaa ni pamoja na kuongezeka kwa uaminifu, kupungua kwa udanganyifu, kuokoa gharama, upatikanaji, na ufanisi. Pia, tunajadili hatua za kuandikisha na kuelimisha umma ili kuhakikisha utekelezaji wa mafanikio wa uchaguzi unaotumia teknolojia ya blockchain, hivyo kuunda njia kwa jamii zilizo za kidemokrasia na za haki zaidi.

## **Abstract in Kikuyu**

Tekinolojia ya blockchain, yakihururukia kũmbe kĩa kũhũrũka kĩhĩndĩ kĩa mari ya kĩrumi, yĩ ni ya ũhoro mũnene mũno ũkũraya mũno mũndũini ũkĩa wĩra-inĩ wa ũthibitari wa thirikari-inĩ. Video ĩno ĩnyitanĩra hũnene wĩrathi wa blockchain kũhũthira mũnene mũno mũndũ-inĩ wa thibitari-inĩ wa Kenya, tondũ wa ũtheri wa wĩra wa kũiga, hũthũthũ-inĩ wa thirikari, na maũndũ ma kũnene kwa gĩthitho. Kũriria wĩrathi wa blockchain ĩndathi, ĩtĩkwĩrĩta, na kũthĩna, blockchain ĩna ũguo kũgeria ũthibitari wa wĩra wa kũiga, wĩra wa kũrĩka thibitari, wĩra wa kũrĩka, na wĩra wa kũiga maũndũ ma ũtheri. Mũtũria ni gũtirĩ na ũtheri, kũtherera ũndũ, kũtherera ũrĩa wa thibitari, kũngerera wĩrathi, na kũrĩrĩria wĩrathi. Tũtigĩthĩra kũrũhĩria maũndũ ma ũthibitari na kũrerĩra wĩra wa blockchain-inĩ, tũthĩna maũndũ ma kũtherera thibitari-inĩ wa blockchain, na kũrĩka mũno gũthithĩra kĩa wĩrathi wa thirikari.