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(51) International classification	:F24F 120/20, H04N 21/482, H04N 21/485, H04N 23/62, H04M 1/724	(71) <b>Name of Applicant :</b> <b>1)NOIDA INSTITUTE OF ENGINEERING &amp; TECHNOLOGY</b> Address of Applicant :19, Knowledge Park-II, Institutional Area, Greater Noida – 201306, Uttar Pradesh, India. Uttar Pradesh India
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(57) Abstract :

The invention discloses an AI-enabled tool for smart financial portfolio management comprising a data acquisition module (101), data preprocessing unit (102), AI analytics engine (103), portfolio optimizer (104), decision-making layer (105), user interface (106), blockchain ledger (107), and feedback module (108). The tool integrates real-time data, predictive analytics, and machine learning to optimize asset allocation, rebalance portfolios dynamically, and provide personalized financial strategies. Experimental validation demonstrates superior risk-adjusted returns, transparency, and adaptability compared to conventional systems.

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