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(57) Abstract :

AN ARTIFICIAL INTELLIGENCE–DRIVEN HYBRID EDUCATION SYSTEM FOR ENTREPRENEURSHIP SKILL ASSESSMENT AND STUDENT SUCCESS PREDICTION The present invention relates to the development of an artificial intelligence-driven hybrid education system for entrepreneurship skill assessment and student success prediction is proposed to meet the increasing demand for personalized and data-driven entrepreneurial education. The proposed system combines online and offline learning settings with machine learning algorithms, learning analytics, and behavioral data mining to assess entrepreneurial skills such as creativity, risk-taking, leadership, opportunity detection, and problem-solving skills. Multi-source data gathered from academic records, learning management systems, evaluations, simulations, and interaction data are analysed through predictive and classification algorithms to produce personalized skill profiles and success probability scores. The hybrid system allows for continuous observation, adaptive content delivery, and early detection of at-risk or high-potential students. Explainable AI methods are used to provide transparent feedback to educators and students, facilitating informed interventions and curriculum design. Experimental results show improved accuracy, increased engagement, and tangible improvements in entrepreneurial preparedness. The proposed system facilitates scalable and accessible entrepreneurship education worldwide. FIG.1

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