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(51) International classification	:G06Q0050200000, G09B0007000000, G06F0021570000, G09B0005060000, H04L0009400000	(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 adaptive software platform for intelligent online learning management comprising a Learner Profiling Engine (101), Adaptive Recommendation Engine (102), Content Delivery System (103), Performance Analytics Dashboard (104), and Feedback Management Module (105). The platform dynamically personalizes content delivery, monitors learner progress, and provides predictive analytics. Experimental validation demonstrated improved learner engagement, higher completion rates, and reduced dropout percentages. The invention offers an intelligent, secure, and scalable solution for modern education ecosystems, transforming traditional e-learning into an adaptive, personalized experience.

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