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(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)JISHU VARSHNEY</b>
(33) Name of priority country	:NA	<b>2)Dr. CHANDRA SHEKHAR YADAV</b>
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(57) Abstract :

An AI-based platform for predictive online learning outcome analysis comprises a data collection module (101), learner analytics engine (102), machine learning prediction unit (103), adaptive feedback generator (104), learning management interface (105), and cloud database (106). The system integrates data from multiple sources to predict academic performance, identify at-risk students, and generate adaptive feedback in real time, improving educational decision-making and learning outcomes through data-driven insights.

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