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(57) Abstract :
The invention discloses a method for intelligent workflow automation using artificial intelligence, designed to overcome the limitations of traditional rule-based systems. The method begins with collecting input data from multiple sources, which is processed by AI models employing natural language understanding, predictive analysis, and contextual reasoning. Based on this analysis, dynamic decisions are generated to allocate and execute tasks across heterogeneous systems and departments. Real-time monitoring and feedback mechanisms capture performance metrics and anomalies, feeding into a continuous optimization loop that refines workflow rules and updates AI models for improved adaptability. The invention enables organizations to minimize human intervention, enhance accuracy, and achieve scalable, efficient, and context-aware workflow automation.

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