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Invention Title	MACHINE LEARNING–DRIVEN AUTOMATED FACULTY FEEDBACK COLLECTION SYSTEM FOR CONTINUOUS QUALITY ENHANCEMENT IN HIGHE EDUCATION
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Abstract:

MACHINE LEARNING–DRIVEN AUTOMATED FACULTY FEEDBACK COLLECTION SYSTEM FOR CONTINUOUS QUALITY ENHANCEMENT IN HIGHER EDUCATION The present inve provides the technology that uses cutting-edge machine learning techniques to automate the gathering and analysis of student input on faculty performance, providing re insights into the efficacy of instruction. The system analyses qualitative feedback using Natural Language Processing (NLP) to find important themes and patterns that guid institutional policy and faculty development. Predictive analytics integration enables faculty training programs to be tailored to certain areas of improvement found throug feedback trends. This creative method encourages a culture of accountability and ongoing learning among faculty members in addition to streamlining the feedback proce the end, this approach seeks to improve educational quality by making sure that institutions dynamically adjust to students' changing requirements and the expectations of demanding academic environment. FIG.1

Complete Specification

Description:MACHINE LEARNING–DRIVEN AUTOMATED FACULTY FEEDBACK COLLECTION SYSTEM FOR CONTINUOUS QUALITY ENHANCEMENT IN HIGHER EDUCATION

Technical Field
[0001]   The embodiments herein generally relate to a method for machine learning–driven automated faculty feedback collection system for continuous quality enhancement in higher education.
Description of the Related Art
[0002]   The integration of machine learning into higher education has significantly transformed the ways in which faculty performance and feedback are assessed. Traditionally, faculty feedback collection relied on manual surveys and qualitative assessments, usually leading to inconsistencies and delays in analysis. Growing demand for continuous quality enhancement within educational institutions promotes a pressing need toward more efficient data-driven approaches.
[0003]   Machine learning-driven automated feedback collection systems utilize algorithms to gather and analyze feedback from diverse sources such as student evaluations and peer reviews. These systems identify trends in faculty performance, providing actionable insights for professional development while reducing administrative burdens. Automation ensures timely analysis and aligns with calls for continuous improvement from accrediting agencies. As algorithms advance, instituti can implement interventions that enhance teaching and learning, fostering accountability and a responsive culture beneficial for both faculty and students.
SUMMARY
[0004]   In view of the foregoing, an embodiment herein provides a method for machine learning–driven automated faculty feedback collection system for continuous

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