(12) PATENT APPLICATION PUBLICATION

(21) Application No.202521022168 A

(19) INDIA

(22) Date of filing of Application :12/03/2025

(43) Publication Date : 04/04/2025

(54) Title of the invention : "INTEGRATION OF HANDWRITTEN TEXT RECOGNITION AND SUBJECTIVE ANSWER EVALUATION FOR EFFICIENT GRADING SYSTEMS'

(51) International classification : G06V0030320000, G06V0030100000, G06V0030226000, G06V0030148000, G06V0030400000	(71)**Name of Applicant :**
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(86) International Application No Filing Date : NA : NA	
(87) International Publication No : NA	
(61) Patent of Addition to Application Number Filing Date : NA : NA	
(62) Divisional to Application Number Filing Date : NA : NA	

(57) Abstract :
The "Integration of Handwritten Text Recognition and Subjective Answer Evaluation for Efficient Grading Systems" is an advanced solution designed to automate the evaluation of handwritten subjective answers. The system efficiently converts handwritten responses into digital text and assesses them for accuracy and relevance, ensuring fair and consistent grading. It addresses »■ the inefficiencies of manual grading, which can be time-consuming and inconsistent, by providing a reliable and automated approach. This system enables students to submit scanned handwritten responses through a user-friendly web interface, where the text is extracted and evaluated using advanced techniques. The evaluation process applies multiple comparison methods to assess the quality of responses against faculty-provided answer keys. The results are then processed to generate structured feedback, highlighting key areas of improvement while maintaining assessment integrity. By significantly reducing grading time and effort while maintaining accuracy and reliability, this invention enhances the efficiency of educational assessments. The system seamlessly integrates with digital learning platforms, ensuring scalability and ease of adoption. With its ability to provide instant feedback and structured evaluation, it supports both students and educators, making the grading process more efficient and effective.

No. of Pages : 11 No. of Claims : 8