INTERNATIONAL JOURNAL OF PROGRESSIVE RESEARCH IN ENGINEERING MANAGEMENT AND SCIENCE (IJPREMS)
(Int Peer Reviewed Journal)
Vol. 05, Issue 07, July 2025, pp : 293-295
www.ijprems.com
editor@ijprems.com
e-ISSN : 2583-1062
Impact Factor : 7.001

ONSCREEN MARKING ANSWER SHEET EVALUATION

Ms.Vijayata Ramteke[1], M.Shreeya[2], M.Manish[3], A.Kannaiah[4]

[1]Asst.Professor Department of Computer Science Engineering Siddhartha Institute of Technology & Science Hyderabad, India.

[2,3,4]Department of Computer Science Engineering Siddhartha Institute of Technology & Science Hyderabad, India.

DOI: https://www.doi.org/10.58257/IJPREMS42748

ABSTRACT

Onscreen Marking Answer Sheet Evaluation is a digital method for evaluating handwritten answer sheets using computerized systems. In this approach, physical answer scripts are scanned and uploaded to a secure platform, allowing examiners to assess and grade the responses online. Onscreen Marking Answer Sheet Evaluation significantly enhances the efficiency, accuracy, and transparency of the evaluation process compared to traditional manual marking. It reduces logistical challenges, minimizes human errors, and enables faster result processing. Features such as automated page navigation, real-time monitoring, and digital annotations further support examiners in maintaining evaluation standards. By providing centralized access to answer scripts, OSM also supports re-evaluation requests and auditing processes with ease. Overall, the implementation of onscreen marking revolutionizes academic assessments by improving scalability, data security, and examiner convenience.

Keywords- Organic Input, Authenticity Checker,Organic product Verification, certification Check,Authenticity Score Calculation.

1. INTRODUCTION

Onscreen Marking Answer Sheet Evaluation is a modern approach to evaluating handwritten examination answer sheets through a digital platform. Instead of handling physical papers, answer scripts are scanned and made available to examiners electronically.

This method offers a streamlined, secure, and efficient alternative to traditional manual evaluation processes. With onscreen marking, examiners can assess papers remotely, annotate directly on digital copies, and submit marks instantly, reducing administrative overhead and human error.

The system enhances transparency, speeds up result processing, and allows for easy management of re-evaluation and auditing processes. As educational institutions increasingly adopt technology-driven solutions, onscreen marking has become a critical innovation in ensuring fair, consistent, and efficient assessment practices.

2. LITERATURE REVIEW

Evaluation of student answer sheets has traditionally been a manual, paper-based process involving significant human effort, time, and resources. Over the years, several studies and developments have highlighted the inefficiencies of manual grading, including the high probability of human errors, delays in result processing, inconsistencies among evaluators, and logistical challenges in handling physical papers at scale.

In response to these challenges, educational institutions and assessment bodies worldwide have begun exploring onscreen marking systems. These systems digitize physical answer sheets and enable evaluators to mark responses electronically using specialized software tools.

3. PROPOSED SYSTEM

The proposed system aims to overcome the limitations of existing onscreen marking systems by introducing intelligent automation, real-time analytics, enhanced security, and personalized feedback features. This system is designed to make evaluation faster, fairer, smarter, and more secure — benefiting both evaluators and students.

Advantages Over Existing Systems

- Faster marking process with AI support.
- More Accurate grading and feedback.
- Tamper-Proof data with blockchain security.
- Powerful Analytics for administrators and faculty.
- Remote Access and Collaboration for evaluators.

INTERNATIONAL JOURNAL OF PROGRESSIVE RESEARCH IN ENGINEERING MANAGEMENT AND SCIENCE (IJPREMS)
(Int Peer Reviewed Journal)
Vol. 05, Issue 07, July 2025, pp : 293-295
e-ISSN : 2583-1062
Impact Factor : 7.001

- Environmentally Friendly — less paper, lower carbon footprint.

4. IMPLEMENTATION

Component	Function
Frontend	Web interface for login, viewing/uploading sheets, marking, feedback.
Backend	Business logic: handles API requests, evaluator workflows, result processing.
Evaluation Engine	Applies scoring rubrics, records annotations, and stores evaluations.
Authentication	Ensures secure, role-based login for students, evaluators, and admins.
Notification Module	Sends alerts on sheet assignments, results, and pending tasks.
Database	Stores user info, answer sheets, marks, annotations, and logs.
AI/OCR Modules	Assist in automated marking, anomaly detection, and pattern recognition.

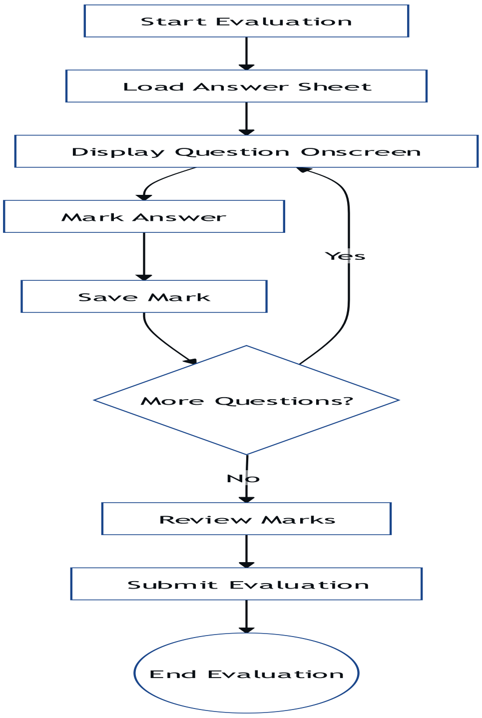

Figure 3: Activity Diagram

5. RESULT

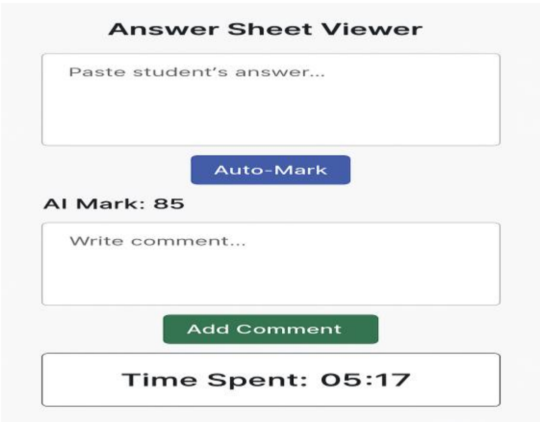

Figure 4: Result

6. FUTURE WORK

Future Scope of Onscreen Marking System

AI & Machine Learning Integration

- Automated evaluation of objective and descriptive answers
- Detection of answer patterns and student weaknesses

Advanced Data Analytics

- Detailed insights into student & examiner performance
- Predictive analysis for academic interventions

Multi-Language & OCR Support

- Recognition of handwritten answers in regional languages
- Blockchain for Enhanced Security
- Tamper-proof marking and result records
- Transparent and traceable evaluation process

Real-Time Collaborative Evaluation

- Multi-examiner collaboration on answer scripts
- Peer review and moderation capabilities

Mobile & Offline Marking Support

- Tablet/mobile compatibility with offline sync features
- Integration with LMS & Academic Systems
- Seamless connection to platforms like Moodle or Google Classroom
- Stronger Security Mechanisms
- Biometric login, AI anomaly detection, encrypted data flow
- Personalized Student Feedback
- Individual performance reports and improvement suggestions
- Cloud-Based Scalability
- Efficient handling of large-scale exams with cloud deployment

7. CONCLUSION

The Onscreen Marking Answer Sheet Evaluation system successfully addresses the limitations of traditional manual assessment by introducing a scalable, efficient, and transparent digital evaluation platform. Through the digitization of handwritten answer scripts and the integration of intuitive onscreen tools, this system streamlines the evaluation process, enhances accuracy, and significantly reduces human errors and logistical delays.

The project empowers evaluators with AI-assisted marking, real-time feedback capabilities, and performance dashboards—ensuring a fair and consistent evaluation for every student. Moreover, by enabling secure, role-based access and digital audit trails, it ensures data integrity and supports easier moderation and re-evaluation processes.

In conclusion, this project represents a crucial step toward modernizing academic assessment systems, offering educational institutions a sustainable, secure, and technology-driven solution that aligns with current and future academic needs.

8. REFERENCES

[1] www.ijwer.com
[2] www.irjmets.com