Digital Evaluation Platform Integrated with CodeIgniter PHP Framework for Advanced ERP Systems

The Digital Evaluation Platform is a comprehensive solution that automates and streamlines the entire lifecycle of evaluating answer booklets. Integrated seamlessly with the CodeIgniter PHP framework, it provides a robust, scalable, and user-friendly system designed to enhance efficiency, transparency, and accuracy in academic evaluation processes.

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1. Answer Booklet Creation and Uploading

Features:

Digital Answer Booklet Creation:

- Generate standardized digital answer booklets with unique QR/Barcodes for effortless identification and tracking.
- Embed metadata such as subject, course, exam date, and student details for streamlined organization.

Scanning and Uploading:

- Support for high-resolution scanning of handwritten answer scripts to ensure clarity and legibility.
- Automated file naming and indexing using QR/Barcodes for reliable traceability.
- Enable bulk uploads or API-based integration for efficient transfer of scanned files to the platform.

Pre-Evaluation Processing:

- Automated indexing and organization of uploaded answer booklets.
- Quality assurance to validate scanned document integrity and completeness.

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2. Assignment and Allocation of Scripts

Features:

- **Role-Based Access Control:** Assign roles to evaluators, moderators, and administrators with predefined permissions.
- **Intelligent Script Allocation:** Automatically allocate answer scripts to evaluators based on subject expertise and workload balancing.

- **Real-Time Monitoring:** Track allocation status, evaluator activity, and evaluation progress in real-time.

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3. Digital Evaluation and Marking

Features:

Script Viewing and Annotation:

- Intuitive digital interface for evaluators to view answer scripts.
- Comprehensive annotation tools for marking, commenting, and highlighting directly on the scripts.
- Section-based navigation for quick access to specific sections of an answer booklet.

Automated Marking Features:

- Question-wise marking tools for precise input of marks.
- Drag-and-drop functionality to input marks directly on digital PDFs.
- Auto-detection of missing evaluations or skipped sections for completeness.

Time Management:

- Timer-based tracking for adherence to evaluation deadlines.
- Auto-save functionality to prevent data loss and allow evaluators to resume work seamlessly.

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4. Moderation and Re-Evaluation

Features:

- **Peer Review and Moderation:** Enable a second layer of review to ensure accuracy and consistency in evaluation.
- **Dispute Handling Workflow:** Facilitate re-evaluation requests with detailed logging of changes for transparency.
- **Audit Trail:** Maintain a comprehensive log of all actions taken during moderation and re-evaluation.

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5. Data Analysis and Reporting

Features:

- Generate detailed analytical reports on evaluation outcomes:
    - Marks distribution (student-wise, subject-wise).
    - Evaluator productivity and performance metrics.
    - Insights into average scores and question-wise difficulty levels.
- Provide graphical data visualizations to support decision-making and reporting.

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6. Assignment Checking Integration

- Facilitate digital evaluation for assignments alongside answer scripts.
- Unified evaluation interface for consistent workflows across assignments and exams.