



PLACEMENT COMMUNICATION TRACKING SYSTEM

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Abstract—The project is entitled as “Placement Communication Tracking System” is developed by web application front end as PHP and back end as MYSQL.

The proposed application provides an efficient platform for managing student evaluations and academic progress while assisting placement staff in preparing students for job opportunities. It allows students to upload files, submit resumes, and access their group discussion and essay writing marks. Students can also review corrections suggested by placement staff, update their records, and refine their submissions based on feedback.

Placement staff can review and edit student resumes, provide feedback on essay writing, and upload group discussion marks. They can also manage student records, track progress, and ensure evaluations are accurately recorded. By integrating academic tracking with structured feedback mechanisms, the system helps students enhance their skills and improve their employability.

Keywords — Placement Communication Tracking System, Student Evaluations, Academic Progress, Placement Staff, Job Opportunities, Resume Submission, File Upload, Group Discussion Marks, Essay Writing Feedback, Student Records Management, Academic Tracking, Structured Feedback, Employability Enhancement, Web Application, PHP, MySQL.

I. INTRODUCTION

The Placement Communication Tracking System is a web-based application designed to streamline student evaluations and placement preparation. Developed using PHP for the front end and MySQL for the back end, the system provides a structured platform for managing student records, tracking academic progress, and facilitating job readiness. Students can upload resumes, submit essays, and receive feedback from placement staff. The system allows staff to review, edit, and provide corrections, ensuring continuous student improvement. By integrating evaluation tracking and feedback mechanisms, this platform enhances students' skills, boosts employability, and improves communication between students and placement officers, making the hiring process more efficient.

A. Problem statement

- Difficulty in managing communication between students and placement staff, leading to delays in feedback and evaluation.
- Students struggle to track and update resumes, while placement staff face challenges in reviewing and providing corrections.
- No structured system to track essay writing, group discussion marks, and suggested improvements, affecting students' skill enhancement.
- Traditional methods of managing student progress and placement data are time-consuming and prone to errors.
- Without proper tracking and structured feedback, students may lack essential skills, reducing their employability.

B. Key features of the system

The Placement Communication Tracking System offers resume submission, file uploads, structured feedback, and academic progress tracking. It enables placement staff to review and edit resumes, provide essay feedback, and manage group discussion marks. Students can track corrections, update records, and refine submissions, ensuring efficient communication, skill enhancement, and improved employability through a streamlined web-based platform.

1) Role-Based Access Control

Role-Based Access Control (RBAC) is a secure model that limits access to authorized users only based on their assigned roles. This feature ensures that only individuals with specific responsibilities are granted access to certain features, ensuring data security and effective management of resources. The system defines distinct user roles with predefined responsibilities, as described below:

Administrator: The Administrator manages user accounts, oversees system security, and maintains the database. They also generate reports and ensure smooth system operations.

Placement Staff: Placement staff review and edit student resumes, provide feedback on essays and group discussions, and track student progress. They also manage student records and ensure evaluations are accurately recorded.

Student: Students upload resumes, submit essays, and access their feedback. They can track group discussion marks, review corrections, and update their submissions based on placement staff recommendations.



2) *Automated Scheduling*

The Placement Communication Tracking System incorporates automated scheduling to streamline the coordination of placement activities. This feature allows placement staff to schedule interviews, group discussions, and essay writing sessions efficiently. Students receive automated notifications about upcoming events, deadlines, and feedback sessions. The system ensures conflict-free scheduling by preventing overlapping bookings and optimizing time slots based on availability. Additionally, recruiters can schedule interview slots with shortlisted candidates, ensuring a structured hiring process. By automating scheduling, the system enhances efficiency, reduces manual errors, and improves communication between students, placement staff, and recruiters.

3) *Notifications and Alerts*

The Placement Communication Tracking System includes a real-time notification and alert system to ensure smooth communication between students, placement staff, and recruiters. The system sends automated notifications for important updates, including resume feedback, essay corrections, group discussion scores, interview schedules, and job opportunities.

Students receive alerts for submission deadlines, feedback updates, and scheduled interviews, helping them stay on track. Placement staff are notified about new student submissions, pending evaluations, and recruiter requests, ensuring timely actions. Recruiters receive alerts when shortlisted candidates update their profiles or accept interview invitations.

Notifications are delivered via email, SMS, or in-app alerts, providing real-time updates and minimizing delays. This feature enhances communication, improves response times, and ensures a seamless placement process for all users involved.

Sl. No	Benefit	Description
1.	Efficiency	Facilitates seamless interaction between students, placement staff, and recruiters through automated notifications and alerts.
2.	Centralized Data Management	Stores and organizes student records, resumes, evaluations, and feedback in one secure platform, reducing paperwork.
3.	Improved Student Preparation	Provides structured feedback on resumes, essays, and group discussions, helping students refine their skills and enhance employability.
4.	Automated Scheduling	Ensures smooth coordination of interviews, assessments, and placement activities, avoiding conflicts and optimizing time slots.

5.	Faster Evaluation Process	Enables placement staff to review submissions, give feedback, and track progress efficiently, reducing manual effort.
6.	Enhanced Recruiter Engagement	Allows recruiters to access shortlisted candidates' profiles, schedule interviews, and post job openings, streamlining hiring.

Table 1 Benefits of the System

C. *Scope of the project*

The proposed application provides a structured platform for managing student evaluations and academic progress while assisting placement staff in preparing students for job opportunities. It enables students to upload files, submit resumes, and access their group discussion and essay writing marks. Students can also review corrections suggested by placement staff, update their records, and refine their submissions based on feedback.

Placement staff can review and edit student resumes, provide feedback on essay writing, and upload group discussion marks. They can also manage student records, track progress, and ensure evaluations are accurately recorded. By integrating academic tracking with structured feedback mechanisms, the system enhances student development and helps them improve their employability.

II. LITERATURE SURVEY

A. *Evidence-Based Teaching and Learning Practices*

Allen (2023) explores research-based approaches to teaching and learning within psychology education. The study emphasizes the importance of evidence-based practices in enhancing student engagement, knowledge retention, and critical thinking. By analyzing various instructional strategies, the research highlights effective methods that improve learning outcomes and foster academic success. The findings suggest that incorporating research-driven techniques into psychology education can lead to more structured and impactful learning experiences. This study provides valuable insights for educators seeking to optimize their teaching methodologies through data-driven approaches, ultimately contributing to the advancement of psychology education.

B. *Survey on Placement Management*

Vandal et al. (2024) analyze the challenges in traditional placement management processes and propose an Android-based application to enhance efficiency. Their survey highlights the need for a digital solution that streamlines student registration, resume submission, job updates, and recruiter interactions. By leveraging mobile technology, the system ensures real-time notifications, automated scheduling, and centralized data management, reducing manual effort and improving accessibility. The study emphasizes how such applications can enhance communication between students,



placement officers, and recruiters, ultimately simplifying the placement process and increasing student employability through structured and technology-driven placement management.

C. Training and Placement Cell Automation

Singh et al. (2023) discuss the automation of training and placement cell operations to improve efficiency in managing student placements. Their study highlights the limitations of manual placement processes and proposes a web-based system for handling student registrations, resume evaluations, job postings, and interview scheduling. The system leverages automated notifications, structured feedback, and centralized data management to streamline placement activities. By integrating technology, the solution enhances communication between students, placement officers, and recruiters, reducing administrative workload and ensuring a more organized and transparent placement process that improves student employability.

D. Survey on Communication Skills Perceived by College Students

Hacıaferoğlu (2014) investigates the communication skills that college students in Physical Education and Sports perceive from their teaching staff. The study examines the impact of effective communication on student learning, engagement, and academic performance. Findings suggest that clear, empathetic, and interactive communication enhances student-teacher relationships, fostering a better learning environment. The research emphasizes the need for educators to develop strong verbal and non-verbal communication skills to improve student understanding, motivation, and participation. This study provides valuable insights into the role of teaching staff's communication abilities in shaping student experiences and academic success.

E. Scholarly Contributions to Technical Communication

Crawley et al. explore various aspects of technical communication, focusing on writing, editing, and information design across different professional fields. Their work examines the role of clear and effective communication in enhancing reader comprehension, document usability, and workplace efficiency. The study emphasizes the importance of structured writing, audience analysis, and collaborative editing in producing high-quality technical documents. By analyzing diverse perspectives from experts in the field, the research provides valuable insights into best practices for technical communication, highlighting its significance in professional and academic settings.

III. METHODOLOGY

The Placement Communication Tracking System is developed using a structured methodology to ensure efficient functionality and usability. The process begins with requirement analysis, where functional and non-functional requirements are gathered from placement officers and students to identify key features such as resume submission, feedback management, and academic tracking. In the system design phase, a MySQL database schema is created to store student records, evaluations, and feedback, while the front-

end and back-end architecture is planned for seamless interaction. The development and implementation phase involves front-end development using PHP, HTML, CSS, and JavaScript for an interactive interface, while PHP is used for back-end logic to handle user authentication, file uploads, and data processing.

A. Objectives

The objective of the Placement Communication Tracking System is to streamline student evaluations and placement preparation by providing a centralized platform for resume submissions, feedback management, and academic tracking. It enables students to refine their skills based on structured feedback while assisting placement staff in monitoring progress, ensuring accurate evaluations, and enhancing student employability.

1) Student Engagement and Skill Enhancement

The Placement Communication Tracking System is designed to actively engage students in their career preparation by providing a structured platform for academic progress tracking and skill enhancement. Students can upload resumes, submit essays, and participate in group discussions, allowing placement staff to evaluate their performance and provide constructive feedback. The system enables students to access feedback on their submissions, review suggested corrections, and refine their documents accordingly. This iterative process helps students improve their writing, analytical, and communication skills, which are critical for securing job opportunities. Additionally, students can update their records based on feedback, ensuring their profiles remain current and aligned with industry expectations. By integrating a digital tracking system, the platform minimizes manual intervention, allowing students to focus more on self-improvement while maintaining a record of their progress. The structured feedback mechanism also aids students in recognizing their strengths and areas for improvement, thereby enhancing their employability.

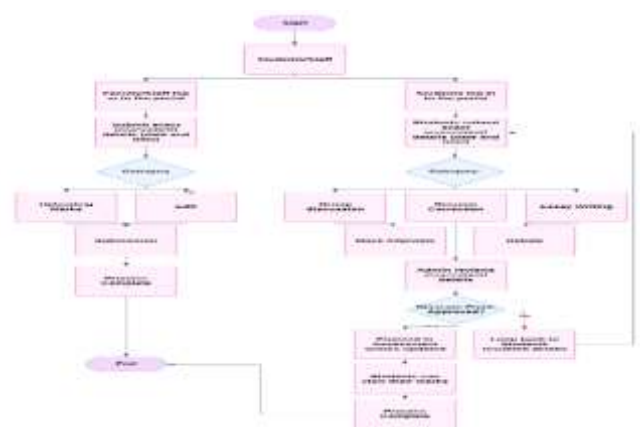


Figure 1 – Work Flow Diagram

2) Placement Staff Efficiency and Evaluation Management

For placement staff, the system serves as an efficient tool for managing student records, tracking evaluations, and ensuring



accurate assessments. It allows placement officers to review and edit student resumes, provide feedback on essay writing, and upload group discussion marks systematically. The digital platform streamlines data management, reducing paperwork and enabling real-time updates on student progress. Placement staff can efficiently track individual student performance over time, allowing them to provide targeted training and resources where needed. Additionally, the system ensures transparency in the evaluation process, as students can access their marks and feedback at any time. This structured approach eliminates inconsistencies in assessments and enables placement officers to focus on enhancing student preparedness for recruitment. By leveraging technology, the system optimizes the placement process, ensuring that students receive comprehensive guidance while placement staff can efficiently oversee and support student development. Ultimately, the system fosters a collaborative environment where both students and placement officers can work together to improve career readiness and job placement outcomes.

IV. RESULTS AND DISCUSSION

The Placement Communication Tracking System significantly enhances student engagement and placement preparation by providing a structured and transparent evaluation process. Students benefit from real-time feedback on their resumes, essays, and group discussions, allowing them to improve their skills based on constructive inputs from placement staff. The system streamlines student record management, reducing manual work and ensuring accurate tracking of academic progress and evaluations.

For placement officers, the system improves efficiency in assessing student performance, tracking progress, and providing targeted feedback. The digital platform ensures easy access to records, enabling better decision-making and personalized guidance. The integration of automated tracking and structured feedback mechanisms fosters a more effective placement process.

Overall, the system enhances student employability by bridging the gap between academic preparation and industry requirements. It creates a collaborative environment where students can refine their skills while placement staff can efficiently monitor and support their career readiness.

V. CONCLUSIONS & SUGGESTIONS FOR FUTURE WORK

The Placement Communication Tracking System enhances student employability by streamlining evaluations, feedback, and academic tracking. It improves efficiency for placement staff while enabling students to refine their skills based on structured feedback. Future enhancements could include AI-based resume analysis, automated skill gap identification, and integration with company portals for direct job applications, further improving the system's effectiveness in bridging students with potential employers.

A. Conclusion

The Placement Communication Tracking System effectively streamlines student evaluations, feedback management, and placement preparation, enhancing both student engagement and placement staff efficiency. By providing a structured platform for resume submission, essay evaluation, and group discussion assessments, the system enables students to refine their skills and track their academic progress. Placement officers can efficiently manage student records, provide constructive feedback, and ensure accurate assessments, reducing manual workload and improving the placement process.

The system fosters a collaborative environment where students receive targeted feedback to enhance their employability while placement staff can systematically monitor and support career readiness. Overall, this platform bridges the gap between academic preparation and industry expectations, ensuring students are well-prepared for job opportunities. With future enhancements like AI-based resume evaluation and company portal integration, the system can further improve job placement outcomes.

B. Suggestions for future work

While the Faculty Booking Portal for Academic Classes and Lab Slots has achieved its core objectives, there are areas that can be enhanced in future iterations:

1) AI-Driven Conflict Resolution:

Integrating AI-based conflict resolution could further enhance the system's ability to automatically resolve booking conflicts by suggesting the best alternative slots based on historical data and usage patterns.

2) Enhanced Reporting and Analytics:

Incorporating detailed analytics on room and lab utilization could help the administration make data-driven decisions about resource allocation, identify underused resources, and optimize scheduling efficiency.

3) Integration with Third-Party Calendar Systems:

Integrating the system with calendar tools like Google Calendar or Microsoft Outlook would allow faculty to automatically sync their bookings with personal schedules, reducing the need for manual updates.

4) Advanced Bulk Booking Features:

Enhancing the bulk booking module to handle complex scenarios, such as multi-day events, conferences, or special academic requirements, would further improve the system's flexibility.

5) Advanced Security Measures:

Implementing two-factor authentication (2FA) and more granular permission levels for different user roles would further enhance the security of the platform, especially as the system scales across multiple departments.

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