

PLACEMENT CELL MANAGEMENT SYSTEM

SYSTEM STUDY

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REQUIREMENT ANALYSIS

Project Overview

The project, "Online Placement Cell Management System," aims to provide a comprehensive digital platform to streamline and optimize the placement processes within educational institutions. It encompasses various modules catering to students, alumni, teachers, and administrators to enhance the placement journey.

Extent of the System Proposal

The system is proposed to address the entire placement process within educational institutions, covering aspects such as student preparation, alumni engagement, teacher assistance, and administrative management. It aims to provide end-to-end support for placement activities.

Viewers/Public Involved in the System

Students: Students seeking placements in educational institutions.

Alumni: Graduates of the institution who can share job openings and provide mentorship.

Teachers: Faculty members assisting students with placement-related guidance and resources.

Administrators: Personnel responsible for managing the system and its features.

Modules Included in the System

The system comprises the following modules:

Student Module: Handles student-related features such as registration, profile management, mock interviews, aptitude tests, job application tracking, and more.

Alumni Module: Focuses on alumni engagement, job openings sharing, resource sharing, and career success stories.

Teacher Module: Provides support to students through features like mock interview conduct, placement workshop facilitation, and resource contributions.

Admin Module: Manages user profiles, job approvals, notifications, events, and system support.

Users in the Project:

Students: Actively participate in the placement process, utilize system resources, and guide.

Alumni: Contribute job openings, insights, and mentorship for current students.

Teachers: Offer guidance, conduct mock interviews, and provide resources to students.

Administrators: Oversee and manage the system, including user profiles, job approvals, and notifications.

Ownership of the System

The ownership of the system typically resides with the educational institution or organization implementing it. In this case, the ownership would be with "Amal Jyothi College of Engineering" or the educational institution that chooses to deploy the system.

Industry/Organization Affiliation

The system is related to the educational industry and specifically tailored for educational institutions such as colleges or universities. It aims to assist these institutions in managing and optimizing their placement processes to benefit students and alumni.

Details of person that you have contacted for data collection

For data collection regarding the "Online Placement Cell Management System" project, we primarily contacted the following individuals within "Amal Jyothi College of Engineering," where the system was implemented:

Mr. Rony Tom (Assistant Placement Officer):

Role: Mr. Rony is responsible for overseeing all placement-related activities within the institution.

Contribution: He provided valuable insights into the existing placement processes, pain points, and areas where the system could bring improvements.

Contact Information: Email - ronytom@amaljyothi.ac.in, Phone -9656077005.

Questionnaire to collect details about the project:

Here's a questionnaire containing 6 questions to collect details about the "Online Placement Cell Management System" project:

- What were the key challenges or pain points you faced with the existing placement processes that prompted the need for this system?
- Could you provide insights into the specific features and functionalities that were considered essential for the success of this system?
- Could you share any additional documents, such as bill receipts or certificate models, that were relevant to the project's implementation?
- How has the system been received by students, alumni, teachers, and administrators since its implementation?
- Could you provide examples of any customization or tailoring of the system to meet the unique needs of your institution?
- Are there any integration requirements with existing systems or databases within the educational institution that the system needs to meet?

FEASIBILITY STUDY

A feasibility study is a critical evaluation of the practicality and viability of a proposed project. In the context of the "Online Placement Cell Management System," we will assess its technical, economic, operational, legal/ethical, and schedule feasibility.

- **Technical Feasibility**

This aspect involves assessing whether the technical infrastructure necessary for the system is available or can be acquired cost-effectively. It includes evaluating hardware and software requirements, determining the availability of technology expertise within the organization, assessing the system's compatibility with existing infrastructure, and ensuring scalability and performance. Additionally, security and privacy considerations are crucial to safeguard user data and sensitive information.

- **Economic Feasibility**

A detailed cost-benefit analysis is conducted to estimate the project's total cost, covering development, hardware, software, and ongoing maintenance. This analysis is juxtaposed with the expected benefits over time, including cost savings and revenue generation. The return on investment (ROI) is calculated to determine if the benefits outweigh the costs. Evaluating the payback period helps ascertain when the project will recover its initial investment. Furthermore, economic risks, such as budget overruns or revenue shortfalls, are identified and strategies to mitigate them are developed.

- **Operational Feasibility**

This aspect focuses on the practicality of the system's operation. It involves assessing user acceptance, ensuring that placement cell staff, students, and employers are likely to embrace and adapt to the new system. User feedback and concerns are gathered through surveys or interviews. The study also includes identifying training requirements to equip users and staff with the skills to operate and manage the system effectively. Integration with existing operational processes is evaluated, and necessary changes are identified. Change

management strategies are planned to facilitate a smooth transition to the new system and address any resistance to change proactively.

- **Schedule Feasibility**

Project scheduling is vital to ensure timely completion. A detailed project timeline is created, outlining tasks, milestones, and deadlines. It is essential to verify the availability of required resources, including human resources, equipment, and software licenses, to meet project deadlines. Risk assessment is conducted to identify potential factors that could impact the project schedule, and contingency plans are developed. Dependencies, such as regulatory approvals or third-party integrations, are identified and aligned with the project's schedule.