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Placement Automation System

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ABSTRACT: Placement Automation System has very important role in college. It aims at providing the help to automate and simplify the registration process and list of eligible students generated for placement. This system can do all work regarding placement like collection of student data, authenticate and activate the student profile, notifying eligible students via Email, check the number of placed and unplaced students. This system gives proper login with time and role based secured access is provided to placement officer, placement coordinators and students. Students logging should be able to upload their information, view the details of a company and the alumni student details. Placement officer can access, view information of user and prepare schedule of all activities regarding placements. Placement officer and students can interact directly through discussion forum. All registered users are eligible to participate in forum. This project is developed using python and MySQL. send the placement drive details to the applied students via email. There will be more interaction between the placement officer and students through discussion forum.

I. INTRODUCTION

This project aimed at developing a web application for the placement department of the college. The system is a web application that can be accessed throughout an organization with proper login provided. This system can be used as a web application for the placement officer to manage the student information with regards to placement. Students logged-in should be able to upload their information in the form of a resume. Students can view all the details of the company, alumni details. Placement officer plays the role of an admin and maintains the alumni details, company details and he give approve to the students who are applying for the drive. Final year students can apply for the drive that are visiting the campus and the students from first year to third year can view only the details of the company and alumni. Placement coordinators verifies the student details when they reach their final year. After verification, students will not be able to modify their information. The key feature of this system is that it can generate the eligible student list for the company and to

II. PROBLEM DEFINITION

Now a days, Student joins the college for better education as well as for better placement for their future. So, the placement activity takes important role. In existing system all the transactions are done manually. Fake entries can exist, system is more error-prone & time consuming, difficulty in managing data of students. Large files of records are to be maintained. Placement Officer must collect the information of various companies who want to recruit students and notify students time to time about them. It is a time-consuming activity of managing, updating an informing specific student for specific company requirements.



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III. EXISTING SYSTEM

The earlier system is not computerized. All transactions in the system are done manually maintaining records. To make this laborious job simple the clients must computerize the system. The management and all the departments that have been carrying out this job using manually makes the job more complicated and tedious most of the times. So, the best way is computerize computerization of the current environment. For example, in the earlier system placement officer must collect student details for placements. Approving those student details take lot of time. Placement officer and students must consult each other directly if any information is needed. If any new company come for placements, placement officer and his staff has to search the student details and they have to find the eligible candidates for that particular company placement. Here searching for eligible candidates takes lots of time. And sometimes some candidates details may be missed.

IV. PROPOSED SYSTEM

This project is aimed at developing a web application for the Placement Department of the college. Once you open this web application at the front end all the schedule/event are available to everyone. There are mainly three types of users. They are Student, Placement coordinators, Placement Officer of the college. The administrator is the master user; he gets the greatest number of priorities than the other users. The different functions involve the case of an administrator are updating, approval. The administrator can view and approve the various application forms. Students can edit their details and update them constantly. Students can very flexibly search for and View Company and vacancy details and apply to vacancies by attaching a Resume. They will have access of forum, with which they can post queries. This will help the student to clear their doubts regarding company. Students will also use the system to read important announcements. Each user provided a different features & authorization. The Placement Officer can give an approval to edited information done by the student. In addition, Placement Officer can search the eligible student based the company criteria and can generate the list. Also system can send an automated email to the eligible student. Placement Officer can communicate with the student through the forum module. When Placement Officer first login, they see all the recently changed / created companies and vacancies. Placement Officer can gather information on all students for which they have appropriate permissions. They can see the information provided by the student like personal details, educational details. They put notices, schedule and events so that the entire user can view this. The proposed System is intended to avoid all the drawbacks of existing system. It will add some more features than the existing system. The proposed System is a cost effective way of doing the manual processes done in the existing system. This helps the organization to win the war in the existing competitive world. The system consists of three modules as admin module, student module and placement coordinator module. Each module has a same login page that contain user id and password field, by entering value in that field the user should login to the system.

V. MODULE DESCRIPTION

Student:

In the student module, once the student login, they will see the upcoming drives and notifications at the homepage. They can manage the profile by putting all the information. They can communicate with the placement officer. They can see the company registered, company website, eligibility criteria and alumni student details. They will be receiving the email for each drive.

Placement officer:

Placement Officer can prepare schedule & events about companies & flash it to the every student login as well as front page. Placement officer can view all the student details. Placement Officer can communicate with the users using forum. Placement officer send email to the students for each upcoming drive.



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Placement coordinators:

Placement coordinators can check the student details and verify the student details. If admin not available, placement coordinators act the role of admin.

Report generation:

Analysis of Placed students, Un-placed students, department wise placement will be made available through this tool. Various algorithms can be used for placement analysis.

VI. FEASIBILITY STUDY

Feasibility study is a preliminary study undertaken to determine and document a project's viability. The term feasibility study is also used to refer to the resulting document. These results of this study are used to decide whether to proceed with the project, or table it. If it indeed leads to a project being approved, it will – before the real work of the proposed project starts – be used to ascertain the likelihood of the project's success. It is an analysis of possible alternative solutions to a problem and a recommendation on the best alternative. It, for example, can decide whether an order processing be carried out by a new system more efficiently than the previous one.

A. Operational feasibility

It is to find out whether the current work practices and procedures support a new system. Also, social factors i.e. how the organizational changes will affect the working lives of those affected by the system.

B. Technical feasibility

This involves questions such as whether the technology needed for the system exists, how difficult it will be to build, and whether the firm has enough experience using that technology. The assessment is based on an outline design of system requirements in terms of input, processes, output, fields, programs, and procedures. This can be qualified in terms of volumes of data, trends, frequency of updating in order to introduce the technical system. The application is the fact that it has been developed on window Xp platform and a high configuration of 2gb ram on I3 processor. This is technically feasible.

C. Financial and economic feasibility

Establishing the cost-effectiveness of the proposed system i.e. if the benefits do not outweigh the costs then it is not worth going ahead. In the fast-paced world today there is a great need of online social networking facilities. Thus, the benefits of this project in the current scenario make it economically feasible.

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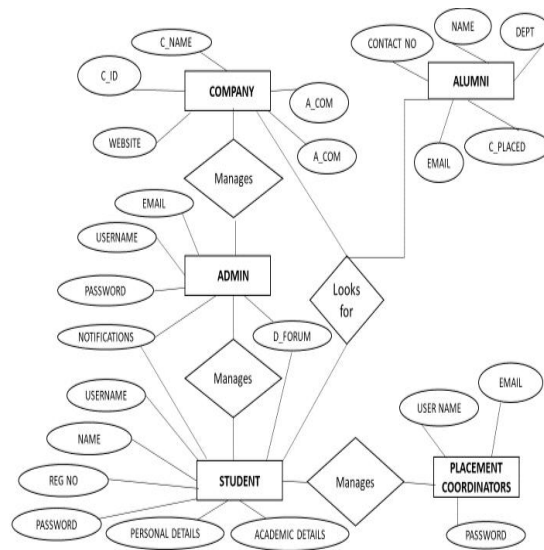
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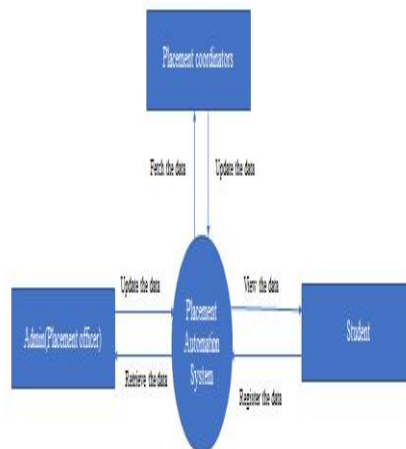
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VII. SYSTEM DESIGN

ENTITY RELATIONSHIP DIAGRAM



CONTEXT FLOW DIAGRAM





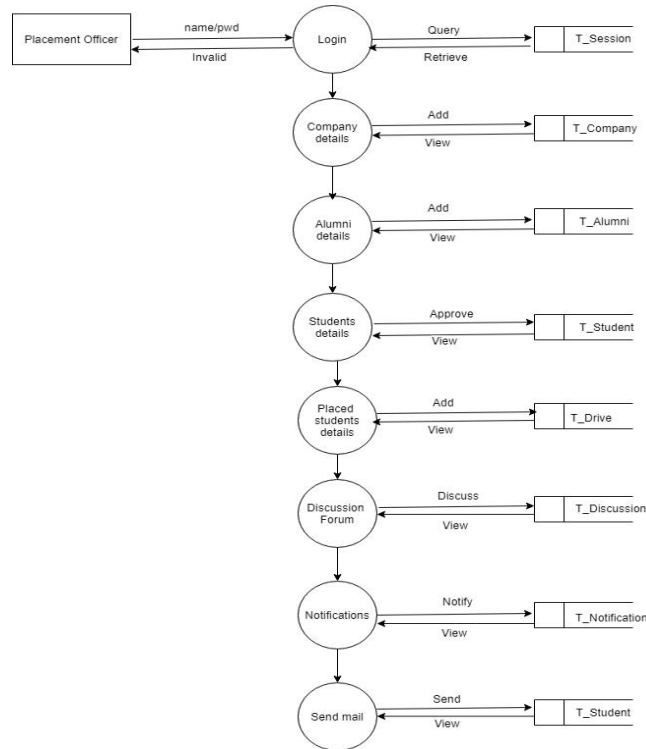
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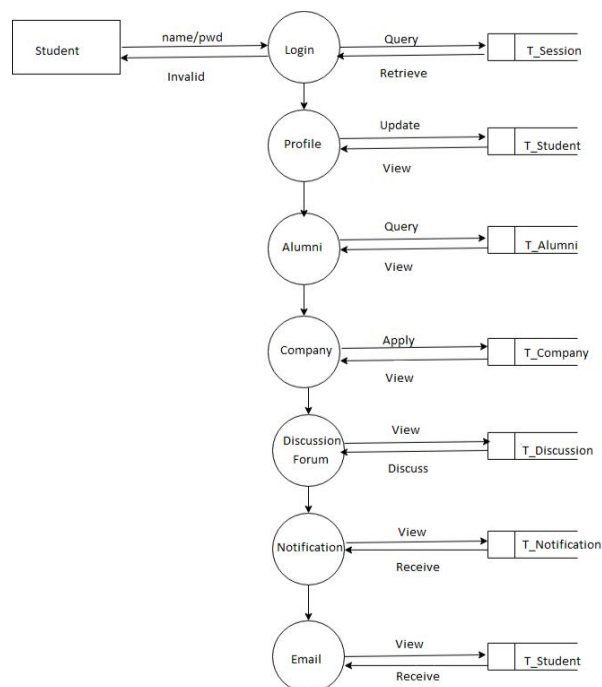
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DATA FLOW DIAGRAM FOR PLACEMENT OFFICER



DATA FLOW DIAGRAM FOR STUDENT



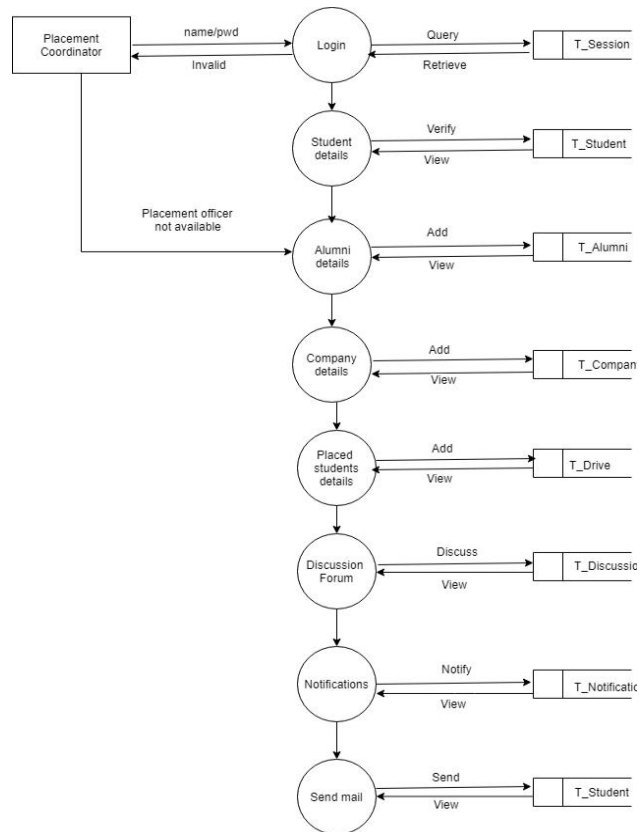
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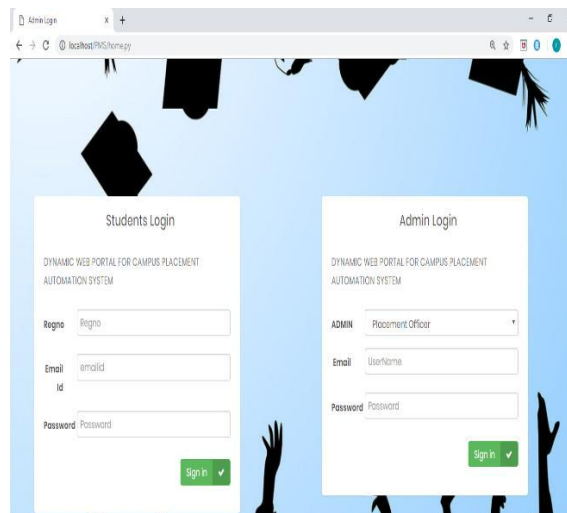
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DATA FLOW DIAGRAM FOR PLACEMENT COORDINATOR



VIII. RESULTS

LOGIN PAGE





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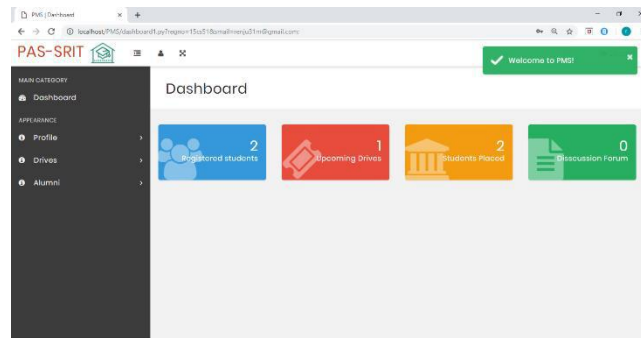
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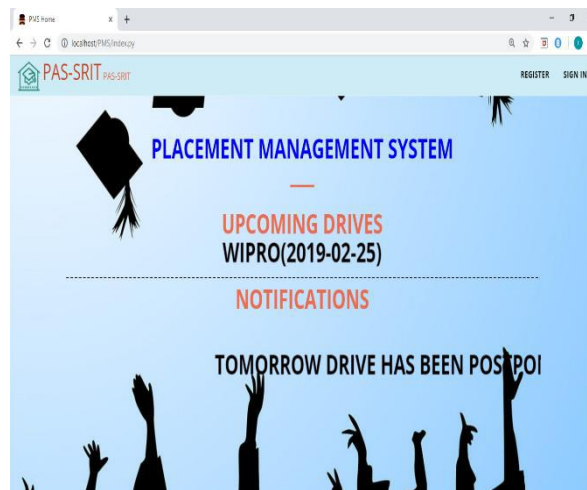
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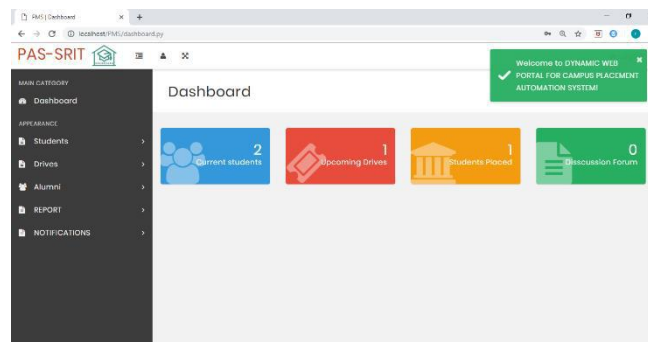
DASHBOARD PAGE FOR STUDENTS



HOME PAGE



DASHBOARD PAGE FOR PLACEMENT OFFICER





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DISCUSSION FORUM PAGE

The screenshot shows the 'Discussion Forum' page. It features a sidebar with navigation options: MAIN CATEGORY (Dashboard), APPEARANCE (Students, Drives, Alumni), REPORT, and NOTIFICATIONS. The main content area is titled 'Discussion Forum' and includes a search bar and a table with columns for '#', 'Question', and 'Action'. The table is currently empty, displaying 'No data available in table'.

VIEW COMPANY PAGE

The screenshot shows the 'view company' page. It includes a sidebar with navigation options: MAIN CATEGORY (Dashboard), APPEARANCE (Profile, Drives, Alumni), REPORT, and NOTIFICATIONS. The main content area is titled 'view company' and features a table with columns for '#', 'company ID', 'company Name', 'company profile', 'Drive Date', 'Campus', 'Eligibility Status', 'Action', and 'Application status'. A single entry is visible with the following data:

#	company ID	company Name	company profile	Drive Date	Campus	Eligibility Status	Action	Application status
1	CSA*1	wipro	view/download	2019-02-25	on campus	Eligible	click to apply	

STUDENTS DETAILS PAGE

The screenshot shows the 'view profile' page for a student. It includes a sidebar with navigation options: Profile, Drives, and Alumni. The main content area is titled 'Fill the Student info' and contains a form with the following fields:

- Register Number: 15451
- Full Name: Renusha
- Current Password: 123456
- dob: 01/01/1997
- Gender: Male Female
- Date of Joining: 08/03/2015
- Department: Computer science
- Mobile: 8488377962
- Email Id: www.ijareeie.com

SEND MAIL PAGE

The screenshot shows the 'Manage Applied students' page. It includes a sidebar with navigation options: MAIN CATEGORY (Dashboard), APPEARANCE (Students, Drives, Alumni), REPORT, and NOTIFICATIONS. The main content area is titled 'Manage Applied students' and features a table with columns for '#', 'Student Regno', 'Student Name', 'Department', 'Resume', 'Company Name', 'Drive Date', 'Academic details', 'Application status', and 'Action'. The table is currently empty, displaying 'No data available in table'. There are buttons for 'SEND MAIL' and 'PRINT'.



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NOTIFICATION PAGE

The screenshot displays a web application interface for 'PAS-SRIT'. On the left is a dark sidebar with a 'MAIN CATEGORY' section containing 'Dashboard', and an 'APPEARANCE' section with 'Students', 'Drives', 'Alumni', 'REPORT', and 'NOTIFICATIONS'. The main content area is titled 'Add Notification Details' and includes a breadcrumb trail 'Home / Drives / Add Notification'. Below this, there is a form with three input fields: 'Notification Id' (containing 'nid2'), 'Date' (with a placeholder 'mm/dd/yyyy'), and 'Notification'. A blue 'save' button is positioned below the form.

IX. CONCLUSION

This web application will be helpful for all the students in college for getting the information about placements. E-mail notification plays the major role which makes the total process easier. Students in college (i.e. from first year to third year) are also able to know all the companies that are visiting our college. The students can easily apply for the company that are visiting our college. This system can easily generate the eligible students list who are all applying for the company.

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