

Institutional Based Student Information Management System

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Abstract: “Institution based Student Information System” to facilitate the students to register their desired Elective subjects, Extra curricular activities and Placement details through online. The performance can be increased when the student doing through online instead of manual which is time consuming. The registration for Hostel accommodation and placement activities having effective processing under this project. The other features includes view profiles, student and faculty contact details.

Keywords: Information System, Elective subjects, Coordinators, Administrator, placement.

I. INTRODUCTION

In the university or college system students have multiple semesters in which each semester has set of elective papers apart from the main papers. The elective papers can be selected based on the student interest and knowledge on the particular domain. It is mandatory to select the elective subject specified in the program list to meet the Academic requirements[1]. In some programs, electives are chosen from a list of courses included as part of the program list while in others you can choose from a wide range of courses offered across the University. When student choosing electives, they should keep their career objective and the program requirements in mind. Normally the elective subject offered by the institution may differ from one institution to other. Generally educational institutions (universities) determine the number of elective subjects based on only one simple rule, such as the order of grade, random selection etc., The main advantages of this system is lectures are allocated effectively, that is reflected the user has multiple preferences. Administrators can operate the class organization based on their intentions.

The main objective of Placement process is to develop a student and company information system. Although such a project has a very wide scope, this project contains the most important part i.e.

displaying the personal and academic information of a student and company. The placement coordinator is provided with the facility of editing some of the fields like username and password. The project also allows the Database Administrator to enter the information of a student and company which is then stored in the corresponding tables in the main database. He can also delete the student and company information when it is not required for the further analysis. The major four users of the system are Student, Coordinator, Administrator and placement company.

Student can download registrations forms, upload their projects, can give their practice tests and see the required articles regarding companies. They can view their profiles and the lists of companies recruiting students. Coordinators can login, edit/remove students profile [2] and view records of ex-students. Administrator can maintain daily updates in the placement records. The Administrator has complete control over all the data on the website and updates records of ex-students happens on a yearly basis[3]. Companies can login and check students profile, information and view a list of students who has been selected for the placement. The administrator having the privilege to give placement advertisements, calling for applications on the website. Guest users can check the Company profiles and can view the list of students selected in the past.

The project Institutional based students information management system developed by using HTML, JavaScript, CSS, PHP and MySQL interfaces.

II. PROPOSED SYSTEM

The proposed system is an integration of all features such as online placement, Electives, Extra-curricular Activities and Hostel booking. The main objective of the proposed system is to overcome the drawbacks in the existing system. The students can easily register their desired subjects and automate the manual processes that are involved to carry out recruitment

processes for the department. The controlling of data and information, placement opportunities and application details controlled by placement coordinator. The system update and information retrieval by the Administrator.

III. SYSTEM ARCHITECTURE

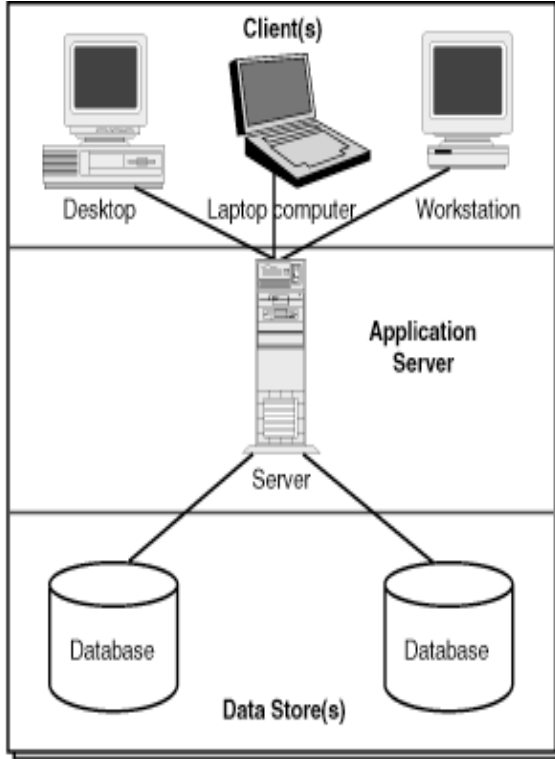


Figure 3.1 System Architecture

This website is a two tier system because here Students, faculties, companies, admin and other guest user can send the request to the website and the information retrieval from the server. This process which typically makes a request for information retrieval related to the placement. Once the response is over the process may terminate or may do some other process based on the operations. Once it is done, it is getting ready to serve another user. System user processes are always alert and ready to serve incoming requests. In this architecture, user and system can interact directly. For example student is a user and he can send the request to system to check the companies list. In response the system will show the list of companies to the student. This type of server runs multiple concurrent processes to serve many requests at a time. If one user takes longer time and it may leads to more time delay for the successive user.

IV. DESIGN AND IMPLEMENTATION

In this project we have various pages like home page, student and staff login page, college elective add page, placement login page for students, students profile page, student activity page, student message page, admin login page for placement activities, admin profile page and company details page for placement registration [4] where each page has unique features.



Figure 4.1 Home Page

In the home page menus like home, registration, online polling, elective, about us, contact and sign up are available. In this we can able to see the university details, latest news and events in the university. There are two separate login for students and staff members.



Figure 4.2 Student Login

In the figure 4.2 students can able to login with their username and password. The signup button can be used for new student to register.



Figure 4.3 Elective Add Page

In figure 4.3 we have elective add page in which the details to be given by staff. The staff will be uploading the semester elective details for allotted semesters and some of the electives can be deleted if no longer required. For example if the staff uploading IV semester electives papers, then students of the particular semester only view the papers. The student can select maximum of 2elective papers and accordingly staff will be allocated. The condition of increasing or decreasing maximum of elective papers can be changed by giving different options in the coding .



Figure 4.4 Placement Login Page

In the placement login page student as well as the admin can be able to login using their email and password. In this page new students can also register for placement central.

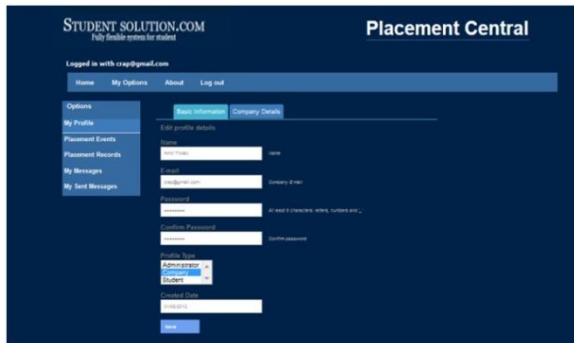


Figure 4.5 Student Profile Page

In figure 4.5 the students can able to edit their profile by entering username and change password. The student can also view the date of registration. The students can view the placement records, placement events, messages and sent messages.

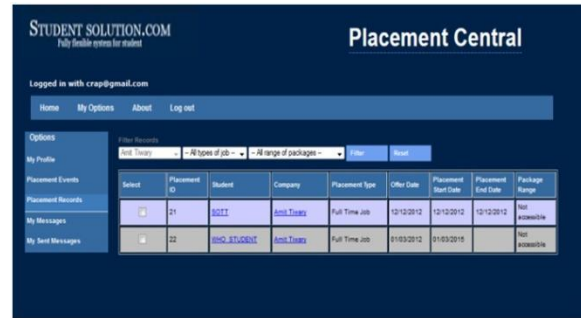


Figure 4.6 Student Placement Record

In this page the student can able to view the university placement record with the fields like placement id, student name, company, placement type, offer date, placement start date, placement end date and the package range. We can also filter using student name, type of job and the package range.



Figure 4.7 Student Message Page

Students can able to view the message as well as can able to send messages. In it shows the details like message id, message send date, message receive date and the subject of the message.

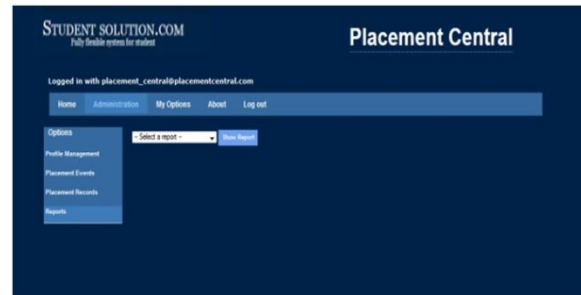


Figure 4.8 Admin Report

In this page admin can able to see the reports of the placement activity and also having the privilege of filtering by using various report type.

id	Name	Email	Role	State	Created Date
1	Administrator	placement_central@placementcentral.com	Administrator	Active	27/08/2015
02	Amal Tereay	am@am@gmail.com	Company	Active	31/08/2015
03	Amal020	am@am020.com	Company	Active	31/08/2015
04	Student	student@gmail.com	Student	Active	02/09/2015
05	HeadStudent	headstudent@gmail.com	Student	Active	02/09/2015
06	HeadStudent1	headstudent1@gmail.com	Student	Active	02/09/2015
07	HeadStudent11	headstudent11@gmail.com	Student	Active	02/09/2015
08	HeadStudent12	headstudent12@gmail.com	Student	InActive	02/09/2015
09	MyStudent	mystudent@gmail.com	Student	Active	04/09/2015
10	SOTT	sott@sott.com	Student	Active	04/09/2015

Figure 4.9 Admin Company Profile

In this page admin able to look at registered companies and view the status of the company. It is possible filter and derive details related to the company.

V. CONCLUSION

The website aims at solving all the problems faced in the current manual system. The student, faculty and company profiles on this website can be handled conveniently. It gives the easy way for students for applying desired elective subjects in that particular semester. The website also ensures that the placement coordinator can supervise this entire process. The Elective registration and Placement process having essential features by making the system process is easier. The Student and Faculty can generate reports and archive statistical data for analytical purposes by the clicking few buttons. This makes it easy to study and analyze the trends of placements and selecting elective papers by the students over the years.

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