IJARSCT
ISSN (Online) 2581-9429
International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
Volume 2, Issue 5, June 2022
Impact Factor: 6.252

Web - Based Placement Management System

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Abstract: *The project is aimed at developing an application for the **"`WEB BASED PLACEMENT MANAGEMENT SYSTEM"** of the college. The system is an application that can be accessed and effectively used throughout the organization with proper login enabled. This system can be used as an application for the Placement Officers in the college to manage the student information with regard to placement. Our project provides the facility of maintaining the details of the students. The web application can be accessed throughout the organization with proper login provided. The "placement management software" or system helps the students, company to register and communicate all the information in the portal.The users can easily get access to the portal and also the data can be retrieved easily within no time. In various colleges, training and placement officers have to manage the student's profile and documents for their placements manually. The placement officers will collect the information from various companies who want to recruit the students and updates to the students from time to time. And also arranges the profile of students according to various streams. The placement officer will clearly notify the needs and requirements of the company. It was difficult to communicate the information with the "N" number of students together about the placement drives. So the web application was designed which was easy and efficient to communicate the information to the students in a manual way ,It reduces the manual work and consumes less paper work to reduce the time.*

Keywords: Updation, Online Training and Placement Management System, TPO, Databases, Students, Eligibility

I. INTRODUCTION

The purpose of the project "WEB BASED PLACEMENT MANAGEMENT SYSTEM", the manual work makes the process slow and other problems such as inconsistency and ambiguity on operations. In order to avoid this web based placement managed system is proposed, where the student information in the college with regard to placement is managed efficiently. It intends to help fast in fast access procedures in placement related activities and ensures to maintain the details of the student. The placement cell calls the companies to select their students for jobs via the campus interview. The placement cell allows the companies to view the student resumes in selective manner. They can filter the students profile as per their requirement. The job details of the placed students will be provided by the administrator. The administrator will create the users and the users will use the accounts created by administrator. When the user enters into his respective page he can update his details, and the details are to be approved by the administrator. All the users have some common services like changing password, updating details, searching for details, checking the details, mailing to administrator, and reading the material uploaded by admin if the user is a student. Administrator has the services to add events and achievements and he can reply to the mails sent by users. He can upload materials, search for student details, and he has the right to approve the students. The administrator will create the users and the users will use the accounts created by administrator. When the user enters into his respective page he can update his details, and the details are to be approved by the administrator. All the users have some common services like changing password, updating details, searching for details, checking the details, mailing to administrator, and reading the material uploaded by admin if the user is a student. Administrator has the services to add events and achievements and he can reply to the mails sent by users. He can upload materials, search for student details, and he has the right to approve the students.

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II. SYSTEM ANALYSIS

2.1 Existing System

The existing system describes the features of the previous working model and their drawback. Existing system does all process manually. Placement officers register the information of students. If any modifications or updates are required in the profile of any student, it has be done manually. This is tedious and time consuming, lack of security of data, took more man power, consumes large volume of paper and space. This process is so difficult when number of user's increases. Placement officer and students have to 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 some times some candidates' details may be missed.some web application available is already is proposed but filtering is not efficient.

Disadvantages

- It takes so much time for a placement officer to collect students' details and approving the details provided by them.
- Poor communication between students and placement officer, so here intimating about new placements is a hard task
- Duplication of files: due to above problems the duplication of records was usual hence data redundancy .
- The records were stored in modified access sheets hence sorting problem.
- Synchronization problem: there were smaller amount interfaces among student and training and placement department
- Less concentrations filtering the data based on salery, Company, cgp, etc,

2.2 Proposed System

The proposed pPlacement System management system meant to give more easiness to the users that they can add and retrieve information so quickly. The proposed online training and placement management 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, The administrator can view and approve the various application forms. Students can register and view the details. The placement officer can login through HR section view the details of the HR's, placed students, and training details. Our system also help the college to overcome the difficulty in keeping records of hundreds of students and searching for a student eligible for recruitment criteria from the wholething. It helps in effective and timely utilization of resources. The project facilitates user friendly, reliable and fast management system. The placement officer itself can carry out operations in a smooth and effective manner. They need not concentrate on record keeping. The college can maintain computerized records thus reducing paper work, time and money.

Advantages

- It manages the details of student records, placement training, different placements happening in and out of the college.
- It gives more security to data, ensures data accuracy, reduces paper work and save time
- High-quality placements bring good benefits and positive impacts on students as well as for the colleges.
- The project facilitates user friendly, reliable and fast management system. The placement

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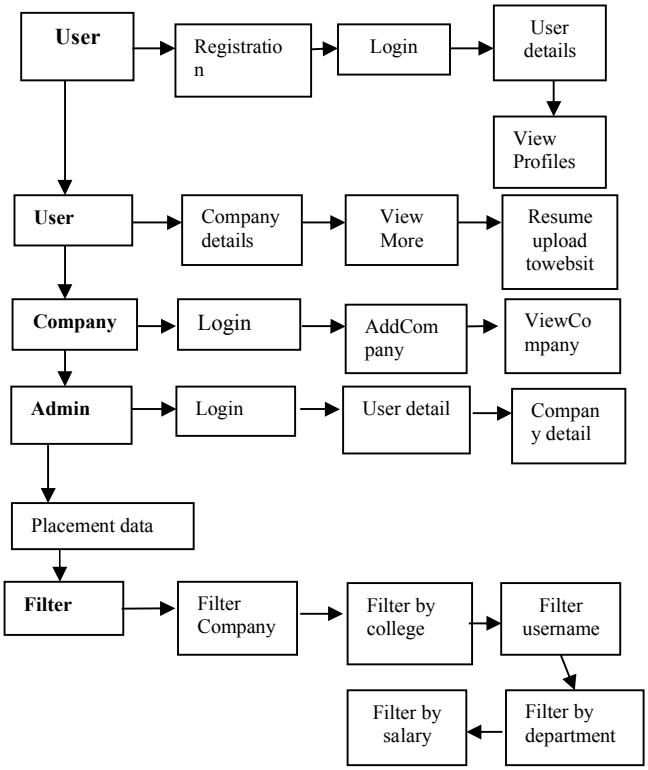
III. SYSTEM ARCHITECTURE



3.1 Modules Description

A. Admin Module

The training and the placement officer is the administrator in the system. The administrator plays an important role in the project. In this module admin will login through username and password, once he logins he will be directed to the dashboard where he gets the complete details of every student of different courses and departments. The admin can add the newly added courses, departments and also can add new batch. The admin can also view the completelist of courses, departments, and batches. The admin can filter the students according to his needs through the search option, for example if the admin requires the student whose aggregate is greater than 65% in BE and greater than 70%in PUC . The admin is provided the option of search in which he can search the students using the name, mobile num,, Email, and registration ID, The administrator also has the option of sending the templates to the students, it's like if the student is eligible to the drive a template is sent to the students email with a unique registration ID. Admin can manage the training programs conducted in the college. Admin is also able to analyze the placement activities of each student.

B. Requirements Analysis

Requirements analysis is the process of defining what the user requires from the system and defining the requirements clearly and in an unambiguous state. The outcome of the requirement analysis is the software developing activities. Thus it deals with understanding the problem goals and constraints. This specification part mainly focuses on what had been found during analysis. A requirement is a relatively short and concise piece of information, expressed as a fact. It can be written as a sentence or can be expressed using some kind of diagram. Requirements are divided into two major types functional and nonfunctional.

C. Student Module

Every student is given a default username and password, using this he/she can enter the system. Students can fill the necessary details like 10 th grade etc. if interested, students can register for the upcoming drives. The student is also able

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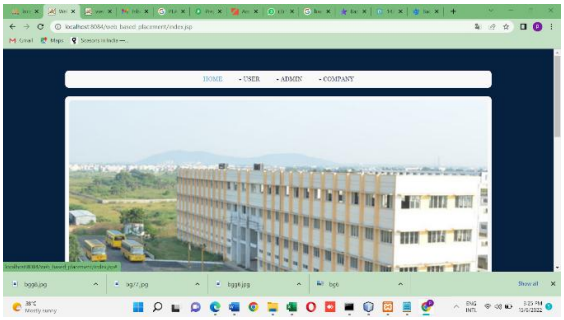
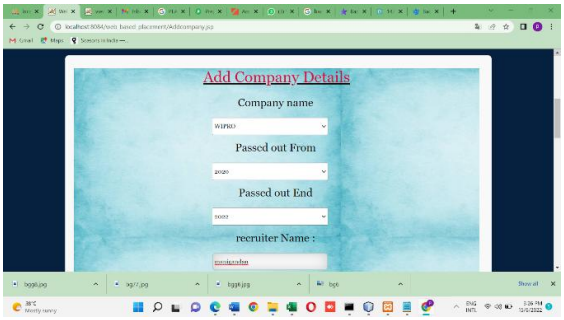
to attend the online aptitude test being conducted in the system. Based onthis aptitude test and other criteria the placement probabilities of a particular student is been predicted. In this module, creation of student input records about academic career from SSLC, HSC and all semester with facilities to modify therecords and viewing changed records.

IV. OUTPUT RESULTS

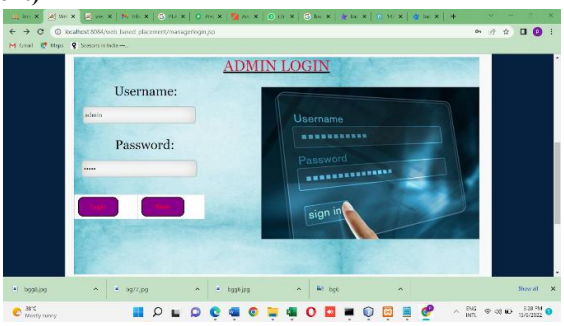
Home Page



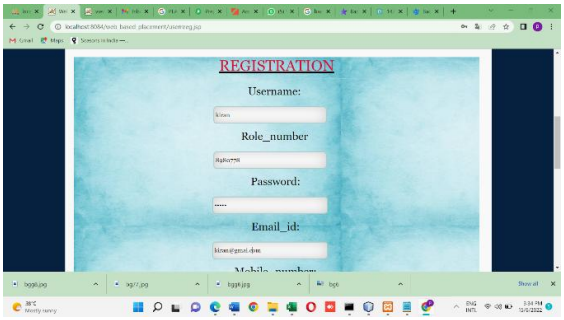
Company Details



Admin Login Page (Management)



Student Registration



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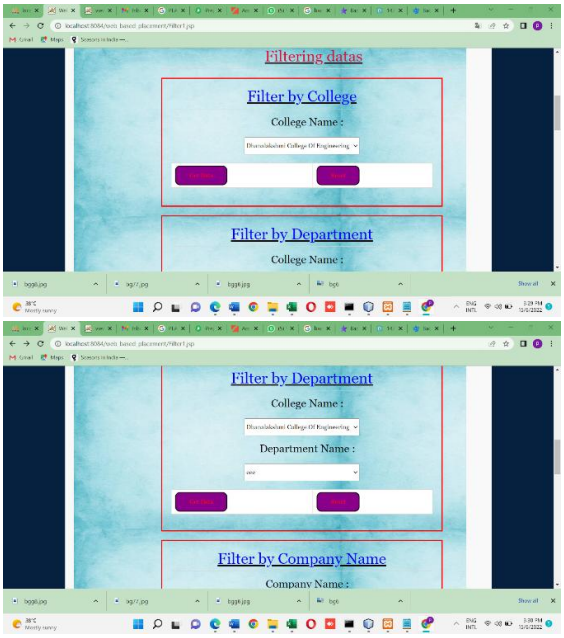
Filter by some requirements



V. CONCLUSION

Cloud-based electronic healthcare systems will be increasing popular, particularly due to the capability to share and access data in real-time across organizations .From several attack tests that have been carried out on ciphertext to determine the resistance of the AES method, it was found that the determinant of the success or failure of the decryption process of the image file depends on the pixel value. When the pixel value of the encrypted image is changed, the decryption process have been successful, but it cannot restore the plaintext image we presented a secure and efficient scheme to locate the exact nearest neighbor over encrypted medical images stored. To overcome storage problem we split storage space into different way we have created multiple folders. The Advanced Encryption Standard (AES) algorithm was successfully applied to encrypt an image. In the decryption process, this method can restore plaintext as clear as before. Attack test is given on the ciphertext by cropping, blurring, and enhancing. It is found that this method can recognize plaintext clearly for cropping attacks. The performance of our scheme is evaluated using real-world medical images.

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