

SMART STUDENTS NOTIFICATION SYSTEM- WEB APPLICATION

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Abstract— SMART STUDENTS NOTIFICATION SYSTEM is a web based application developed in the windows platform for the placement department of the college in order to provide the details of its students in a database for the companies to their process of recruitment provided with a proper login . Placement officer can send required materials used for placements preparation to students for the particular company , with this option preparation for placements becomes easy .Our project provides a facility of sending mails to the eligible students that helps to know about the company details at the right time.

Index Terms—Database, efficiency, NFC, Recruitment, Web development

I. INTRODUCTION

Overview of the System

- To make the application of Student Information System usable for the College or Universities
- To access the Calendar Information records and get the desired information which may require
- To automate the existing system of manually maintain the records of the calendar information records, Students Details
- To increase data accuracy, make calendar information management more secure, effective, convenient and accessible
- To coordinate information across the system
- Simplify student access to University resources

Feasibility Study

The feasibility of the mission is analyzed on this section and business notion is placed forth with a very standard plan for the project and some fee estimates. During system analysis the feasibility study of the proposed system is to be carried out. This is to ensure that the proposed machine is not a burden to the agency. For feasibility analysis, some understanding of the major requirements for the system is essential.

II. LITERATURE SURVEY

A Survey on Training And Placement Management Tools

NileshRathod, KavitaShirsat, "An Interactive Online Training &Placement System", In proposed online placement system there is scope for improvement of the system. It doesn't provide lack of SMS integration facility. They unable to maintenance of the data can be reduced and improvement in online placement system. "David A. Freedman" android based training and placement automation The existing training and placement management cell was not so convenient because of lots of work. All the work that is done by physically and today's day it is done by human intervention. In this system all the work is done by manually, so there were maximum chances of errors problem. so it is not convenient for human interaction. "Hitesh Kasture, SumitSaraiyya, Abhishek Malviya, PreetiBhagat. "Training & Placement Web Portal", we cannot place the system on the cloud so the maintenance of the data can be reduced. The Exam system will integrate with the online placement system so the student result can't get directly.

Description of Various Versions of Genetic Algorithms on Standard Placement Cell

Shahookar et al in proposed a Genetic algorithm to solve the standard cell placement problem. The proposed algorithm worked on a set of solutions constituting a constant size population. The authors implemented the algorithm by applying various crossover operators namely PMX crossover, cyclic crossover and order crossover. The experimental effects showed that cyclic crossover outperformed in assessment to PMX and order crossover methods. The authors also incorporated mutation and inversion operator in the proposed algorithm. In the paper , the proposed calculation applies changes on the chromosomal portrayal of the physical format rather than straightforwardly applying the changes on physical design. The work presented in this paper incorporates a Selection method that selects the cell having maximum area first and so on, and the crossover operator applied on every cell with cells having next higher, next lower and equal area. The algorithm used a Random Point crossover.

Development of an Web Based ERP Module for an Educational Institute (TNP)

Many researchers have worked in the area of development of Web based & Mobile ERP systems and is the thrust area of work. Naveed Hussain discussed in his research about the growth of mobile or unwired usage which has increased globally for last few years. Karl Kurbel introduced a multi-tier architecture for a mobile ERP system. A mobile user interface for an ERP system is developed by Karl Kurbel, Anna Maria Jankowska and KamilNowakowski . Octavian et al has explored the mobile applications landscape and also proposes an design model for the mobile services ranging from the required functionalities for a portal of mobile services.Andrzej Dabkowski et al introduced a comprehensive framework for mobile ERP applications and presented a multi-tier architecture for them. Stephan Karpischeketal developed a

Mobile Sales Assistant (MSA) for mobile product information system for retailers based on a combination of Near Field Communication (NFC) and the Electronic Product Code (EPC). PéterCserkúti et al introduced SmartWeb, a proxy-based content re-authoring system for HTML pages.

Literature Review on Placement Report

This survey focuses on positions from the perspective of STUDENTS and SMEs. The aim is to review what kind of information is available on the topic. Several sources of information have been used for the review. These included journal databases (e.g. EBSCO, Emerald, ProQuest, Elsevier, Sage publications), Internet, and national and regional library database in Finland. The keywords used included for example the following: placement, abroad, international, practical training, internship, traineeship, SMEs, student with various combinations. The literature search was done both in English and in Finnish. In this review there is no difference made between the terms “traineeship”, “placements” and “internship”, but these all are used interchangeably to refer to a practical training period in a company. The aim of the placements is to provide students with practical experience in the application of theoretical concepts, to increase their understanding of the purpose of an organisation, to support their personal development, to learn practical skills, and to improve their career prospects. The focus of the review has been on practical aspects on placement provision so that the review would serve the development of the new content for the businessculture.org website.

Desktop Based Recommendation System for Campus Recruitment

This project presents a Desktop Based Recommendation System for Campus Recruitment Using Mahout, which can help college placement office to match the company’s criteria with students’ eligibility. This will reduce the need of human intervention. This system automates the activities of placement cells in colleges. Our main focus is on profile matching. The eligible candidates among all will be matched with company’s criteria. For doing this we will use Mahout’s Naïve Bayes Classification algorithm Based on profile similarity.

III. EXISTING SYSTEM

Details on Existing System

According to this calendar management system the existing system is entirely a manual method also no centralized database available. Even thousands of students were passing out every year there are no proper portal to maintain all the details. And there is no much more interaction between the database. There are various drawbacks in the student management system.

Disadvantages

- Only paper works, So that data may misuse and data loss may occur.
- In case of a senior got placed in a new company, there is only way to inform to the college is through phone or mail. So that college will forget the student soon.
- Also in case of any vacancy in the current working company of the senior, there is no way to inform the vacancy to the junior. Instead of having all the email or group mail of each batches.
- In many colleges there is only windows based application used for the portal. So that data sharing and message sharing will be totally avoided here.
- In case of meeting, still now admin will manually send invitation to all students, here the alumnus could not able to tell any suggestion regarding the meet.

IV. PROPOSED SYSTEM

Details on Proposed System

Here the entire existing problem will overcome by using some advanced methods. This portal provides services to stay connected with your College Association and Faculty Members. This portal is entirely a web based application. A centralized server used to maintain all the information though database. So data can be accessed anywhere at any at anytime. Here the advantages about the benefits of the Alumni Portal are furnished.

Advantages

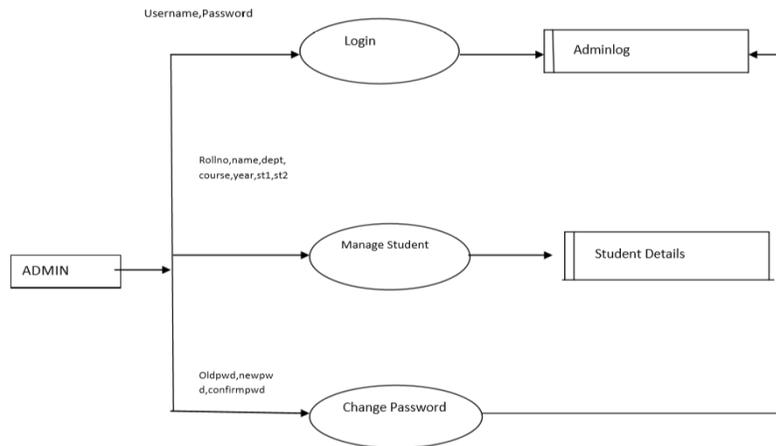
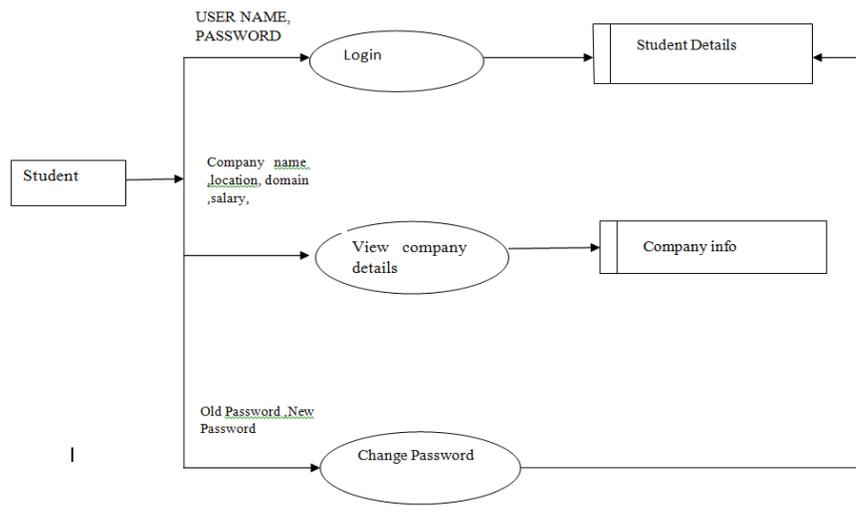
Here the advantages about the benefits of the Alumni Portal are furnished.

- Fully automated work, no need for any paper work.
- All functions will be available in the calendar information
- In case of a senior got placed in a new company data will be shared, So that everyone can know about the details.
- A prior admin available in this project to that admin will create students Database and provide access rights for security reasons.

V. ARCHITECTURE DIAGRAM

An architectural model is a rich and rigorous diagram, created using available standards, in which the primary concern is to illustrate a specific set of tradeoffs inherent in the structure and design of a system or ecosystem. Software architects use architectural models to communicate with others and seek peer feedback.

Architectural Diagram is a graphical representation of the concepts, their principles, elements and components that are part of an architecture. In this we draw an architecture diagram for admin and student model.

Architecture diagram for Admin Module**Architecture diagram for Student****Module Split up**

- Student module.
- Administrator module.
- Staff module.

Module Description**Student module consists of services like:**

- Check details: This service provides the user to check his details.
- Material: This service provides the user to examine the materials uploaded by administrator or Placement officer.

Administrator module consists of services like:

- Update details: Allows administrator to update his (college) details.
- Update statistics: Allows administrator to insert/update statistics like Number of students selected etc.
- Add placed students: Allows administrator to add a placed student.
- Add recruiter: Allows administrator to add a recruiter to database.
- Student details: Allows administrator to search for student information According to eligibility criteria for recruitment process.
- Upload material: Allows administrator to upload material for students.
- Mailing: Allows administrator to reply for the mails sent by users.
- Change password: This service enables the administrator to change password.

Staff module consists of services like:

- The staff can only view the details of the interested students academic and personal details.

VI. IMPLEMENTATION AND RESULTS

The below screenshots describe the implementation results of the work done to efficiently use the system in a systematic and effective manner.

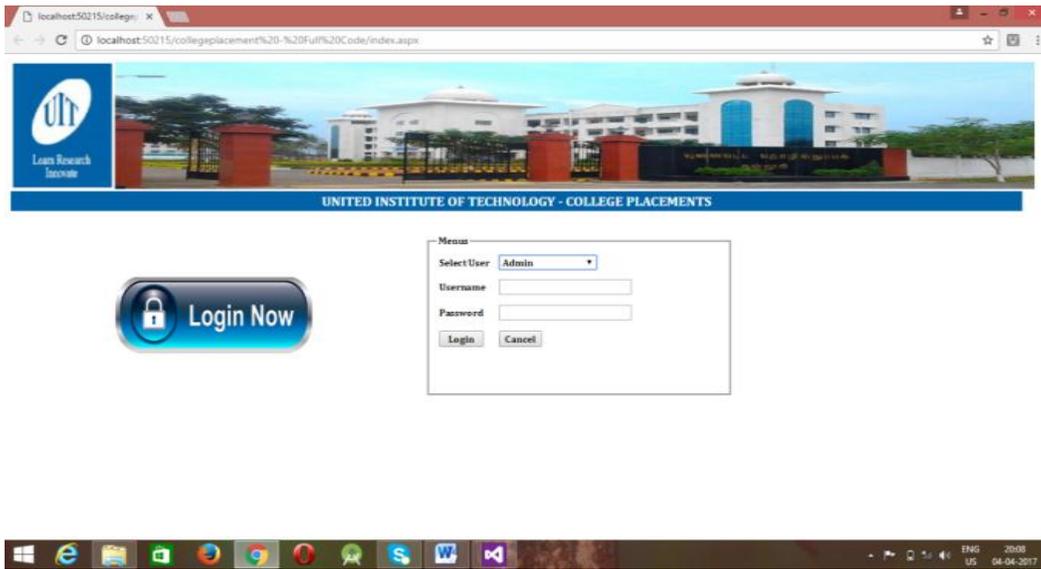


Figure 1: Login page

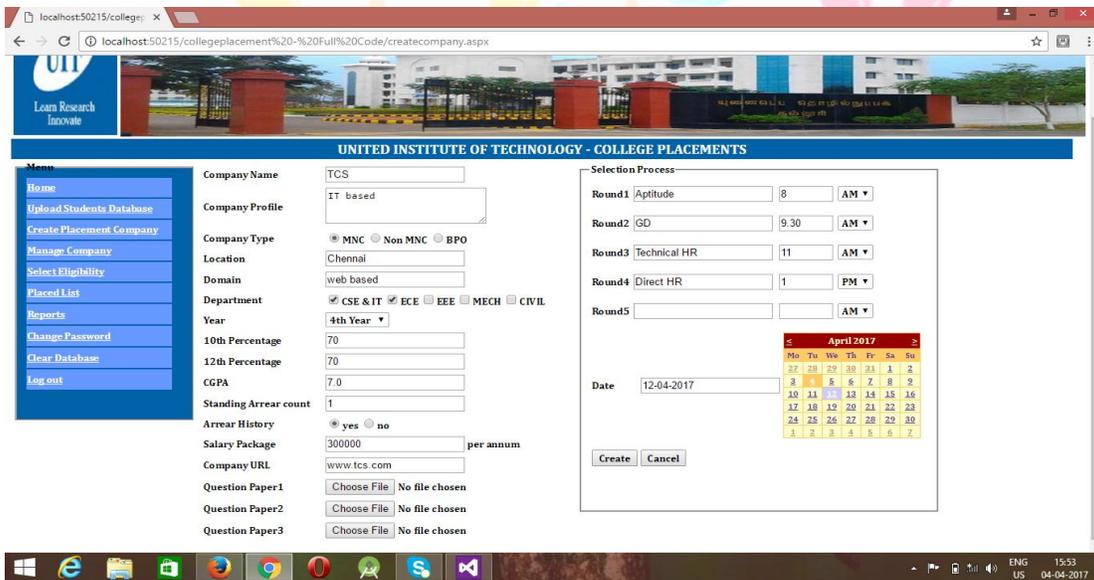


Figure 2: Company details form

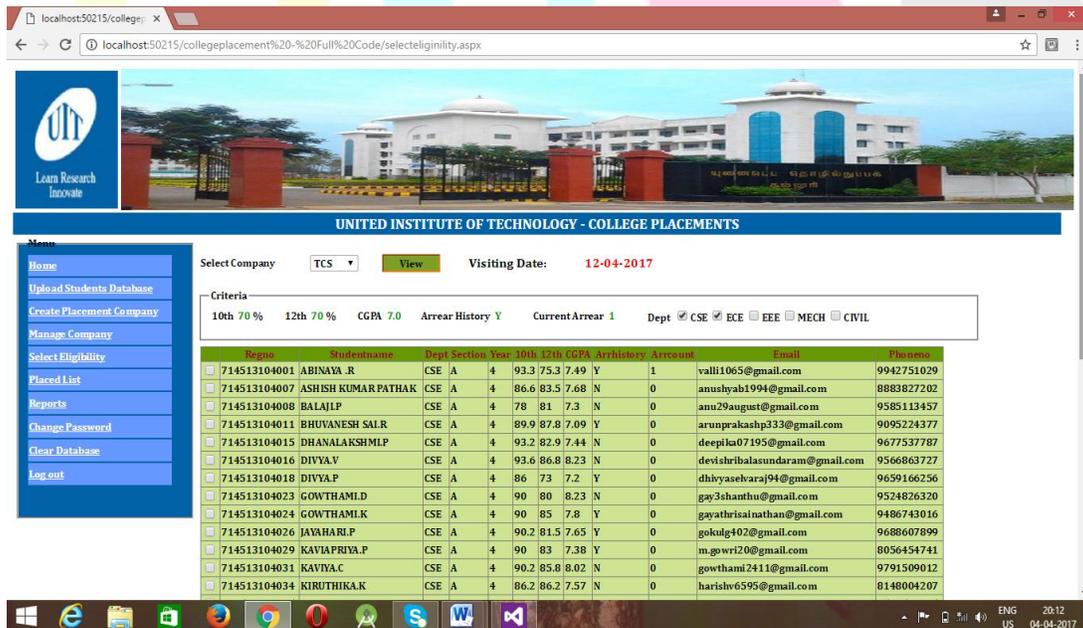


Figure 3: Viewing Students eligibility based on the eligibility criteria given by the Company

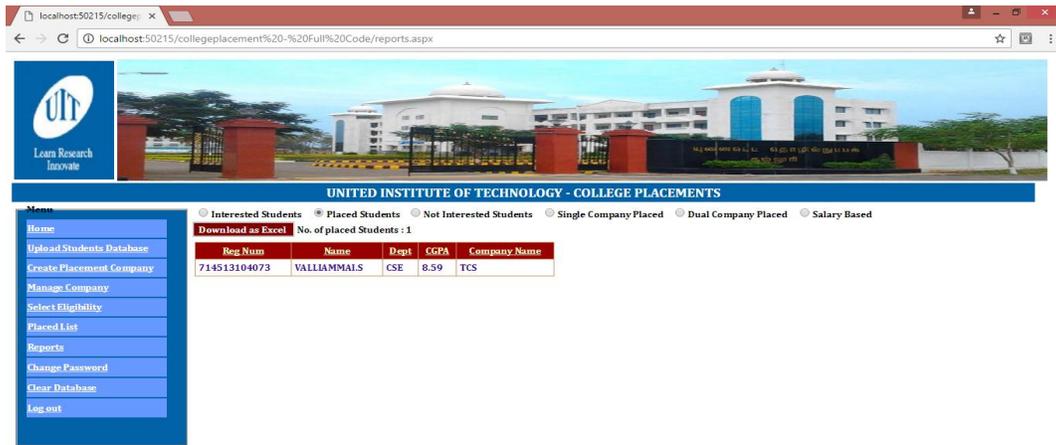


Figure 4: Listing placed, not placed, dual company placed students.

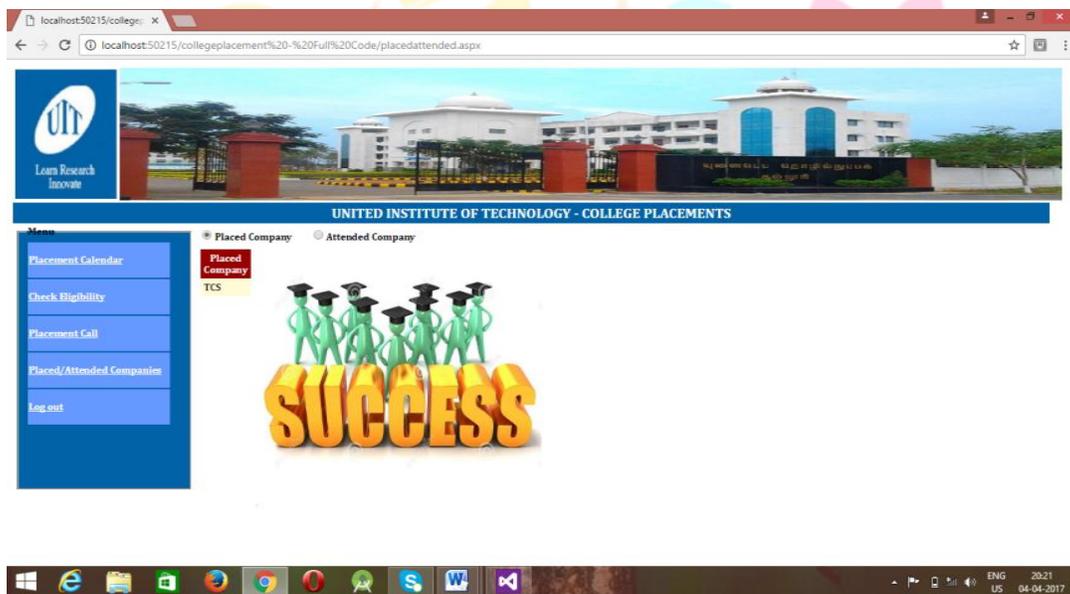


Figure 5: notification to placed students

VII. CONCLUSION AND FUTURE WORK

It is concluded that the application is used for college or universities. This system maintains the records of placement and details of student which increase data accuracy, information management more secure, effective and convenient. Admin can send the email to eligible student that helps student get information about the company at the right time.

It works well and satisfies the company. The application is tested very well and errors are properly debugged. This project can be used simultaneously and can access from more than 100 users. Simultaneous login from more than one place is tested.

This project works according to the restrictions provided in their respective company. Further enhancements can be made to the application, so that this application functions very attractive and useful manner than the present one. The speed of the transactions become additional enough currently. In future we are able to use other database for maintaining larger data set.

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