

Android Based College TPO System

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Abstract - During this paper Training & Placement Cell System could be a System that permits the faculty and therefore the corporations to manage the student's info concerning field enlisting collection and managing the data concerning students manually has become terribly onerous. Nowadays, to create this method straight forward and effective a section of school administration is created specific to try and do this job. And this half is named Training & Placement cell System. This technique is created are often made through numerous techniques like robot primarily based application, internet primarily based or by victimization several programming languages like Java, Android, ASP.NET and Python. To perform the activities associated with placement services, the system's purpose is to style a system that gives functionalities. It's supported complete standard design this modularity of the design can enable USA to exchange or add modules within the future as the way to reinforce explicit feature of particular scenario. A number of the modules area unit enforced by means that of managing placement and Training within the gift work.

Key Words: Training & Placement Cell System, Android, Students, College, Modules.

1. INTRODUCTION

Modern technologies have given numerous ways that for creating advances in numerous fields. Recent samples of these area unit computers and laptops which might do any advanced work simply. Now-a-days, communication network is obtaining unfold worldwide quickly and therefore it came up with data security and knowledge assurance problems. Thanks to widespread of communication technologies over world network great amount of information is generated and handling, maintaining such a large quantity of information may be a major concern these days. As world is moving towards technological development, this development has befallen in data Technology field on giant scale. Such development represent of internet application that reduced human effort and helped in day-after-day life. a number of these applications area unit for diversion purpose, some area unit developed to cut back complexness of a task, some area unit used for automation of manual work and a few area unit accustomed cut back human efforts. Automation is of major importance in IT development; recently numerous applications area unit developed to alter the manual working of system. Automation of manual operating of system is advantageous since automation provides quicker execution of labor then manually operating system and errors also are reduced. Since, in manually operating system human efforts area unit enclosed which can cause errors and cut back the

speed. Thus, several benefits area unit provided by machine-driven system and use of this method is being created in numerous streams like schools, work institutes, companies, universities, etc.

The increasing benefits of machine-driven system currently area unit at highest position therefore several manual processes area unit machine-driven. Since the machine-driven system is demanded now-a-days, instructional infrastructures like schools required their manual system to perform on system. One in all such system that is of major importance is coaching and placement automation for field achievement. Although some manual functioning systems of schools area unit machine-driven like maintaining attending record, library management. The colleges have additional to try and do like watching and maintaining student's presence within the field, that vital data for his or her folks or guardians.

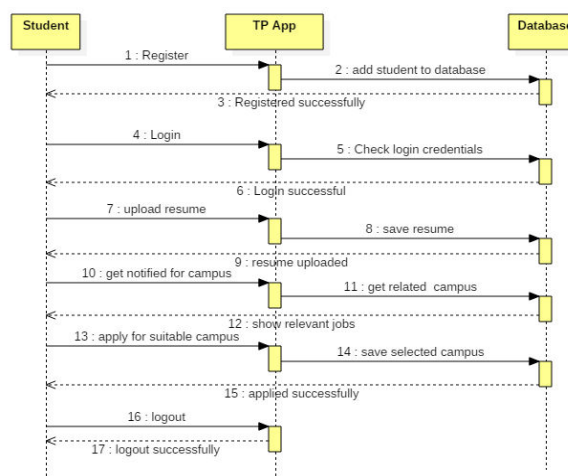


Fig -1: Sequence Diagram Working Flow

This project has major goal that's fulfilling the necessities of TnP officer, students and company visiting to field for achievement. This method can permit automation of manual method of TnP distributed in numerous schools these days. Input to the system is student data uploaded by students and output is notification to eligible students. It provides with choices like check in already registered users and sign on for brand spanking new users. Authentic user will transfer their data for field achievement. Student knowledge is classed by exploitation classification rule. Classified knowledge is matched with company criteria and notification to eligible candidates is shipped. Therefore automation of all coaching and placement method is completed leading to reduced human error prone system, correct management of big knowledge and given speed in execution of TnP method.

2. LITERATURE SURVEY

Short Message Service (SMS) is employed in mobile communication system as a text electronic messaging service, on that some commonplace communication protocols are applied for exchange of short text between two mobiles. [12]

During this system, we are going to SMS for causation notification to the eligible candidates. [7]

System can facilitate quicker and easier modify the position procedure. [3]

For classifying the big quantity of information there are completely different rules on the market we tend to are victimization mahout's classification algorithm. [13]

There are several classification algorithms provided by driver such as Logistic regression: In statistics, supplying regression, or legit regression, or logit model. [5]

May be a variety of probabilistic applied mathematics classification model. [4]

It's additionally wont to predict a binary response from a binary predictor, used for predicting the end result of a categorical variable (i.e., a category label) supported one or additional predictor variables (features). That is, it's employed in estimating the parameters of a qualitative response model. [8]

The chances describing the potential outcomes of one trial are modeled, as a perform of the instructive (predictor) variables, employing a supplying perform. [11]

Supplying regression measures the link between the specific variable and one or additional freelance variables, that are sometimes (but not necessarily) continuous, by victimization likelihood scores because the foreseen values of the variable. [1]

Supplying regression will be seen as a special case of generalized linear model and so analogous to statistical regression. The model of supplying Regression, however, is predicated on quite completely different assumptions (about the link between dependent and freelance variables) from those of statistical regression. [6]

Naïve Thomas Bayes|mathematician} classifier: By victimization driver Implementation of the Naive Bayes rule to create a document categorizer. The Naive Bayes rule may be a probabilistic classification rule. It makes its selections concerning that category to assign to associate degree input document victimization chances derived from coaching knowledge. The coaching method analyzes the link between words within the coaching documents and classes, and so classes and also the entire coaching set. The on the market facts are collected victimization calculations supported Bayes' Theorem to supply the likelihood that a group of words (a document) belongs in a very bound category. [14]

Hidden Markov model: A hidden Markov model (HMM) may be an applied mathematics Markov model during which the system being modeled is assumed to be a Markoff process with unobserved (hidden) states. Associate degree HMM will be given because the simplest dynamic Bayesian network. In

less complicated Markov models (like a Markov chain), the state is directly visible to the observer, and so the state transition chances are the sole parameters. [15]

In a much hidden Markov model, the state isn't directly visible, but Output, passionate about the state, is visible. Every state encompasses a likelihood distribution over the potential output tokens. [10]

Thus the sequence of tokens generated by associate degree HMM offers some info concerning the sequence of states. Note that the adjective 'hidden' refers to the state sequence through that the model passes, to not the parameters of the model. [9]

The model continues to be cited as a 'hidden' Markov model although these parameters are noted specifically. [14]

Hidden Markov models are especially known for their application in temporal pattern recognition such speech, handwriting, gesture recognition partofspeech tagging, musical score following, partial discharges and bioinformatics. [9]

3. METHODOLOGY

The given project is working on three modules:

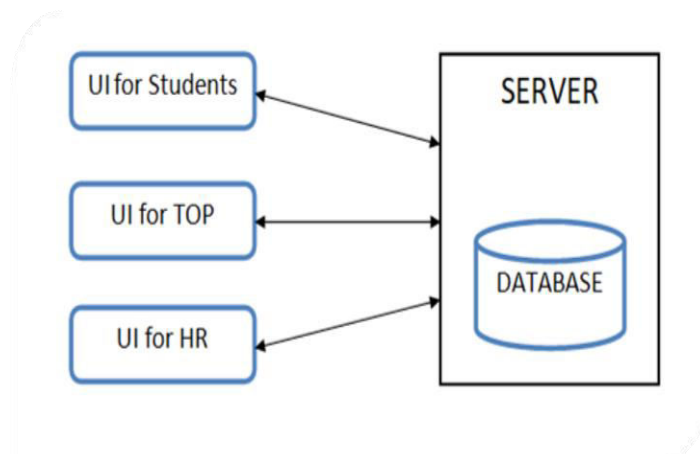


Fig -2: Architecture of System

3.1 Training and Placement Officer (Admin)

Add Student, view details, edit/delete details, Application view. TPO can access the information of students. TPO can validate student for TPO system. TPO can provide profile for coming company in college for campus selection process. TPO can add training program conducted in college.

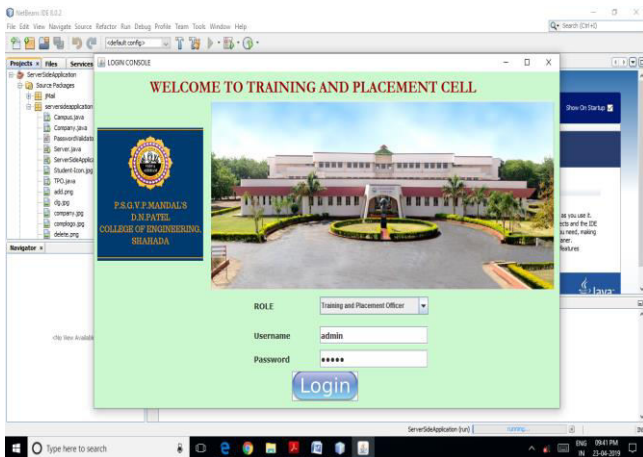


Fig -3: Admin Login

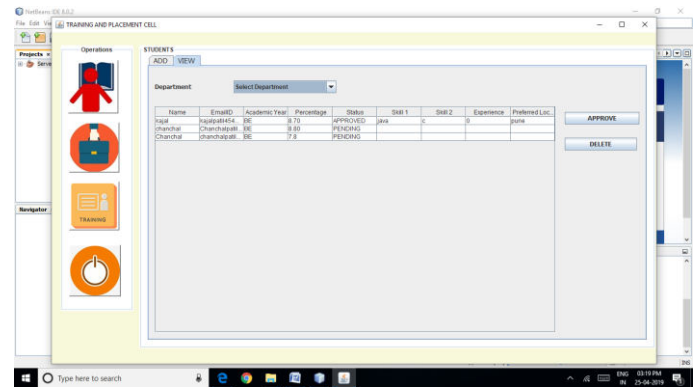


Fig -6: View Details and Approve Student

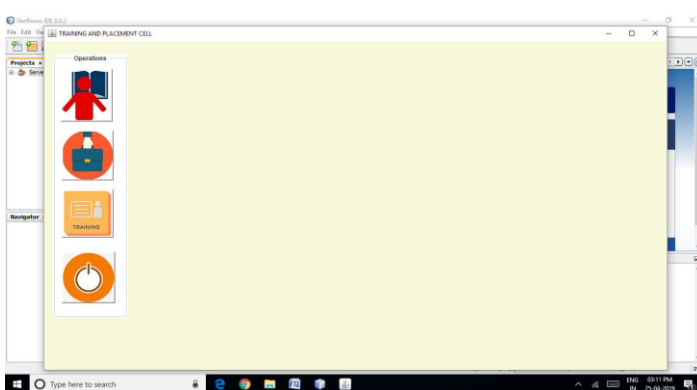


Fig -4: Admin Homepage

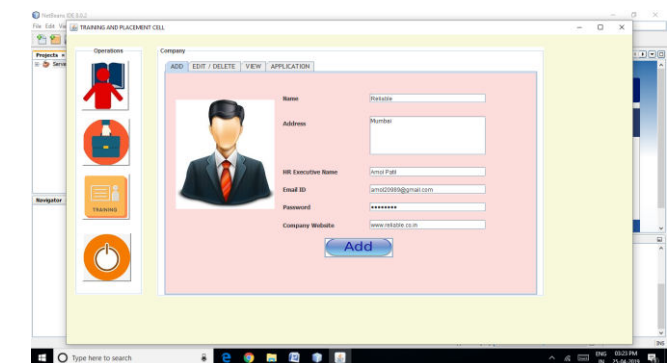


Fig -7: Add Company

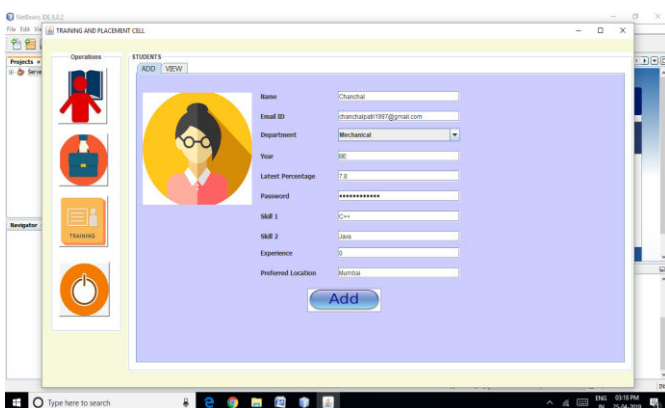


Fig -5: Admin add items

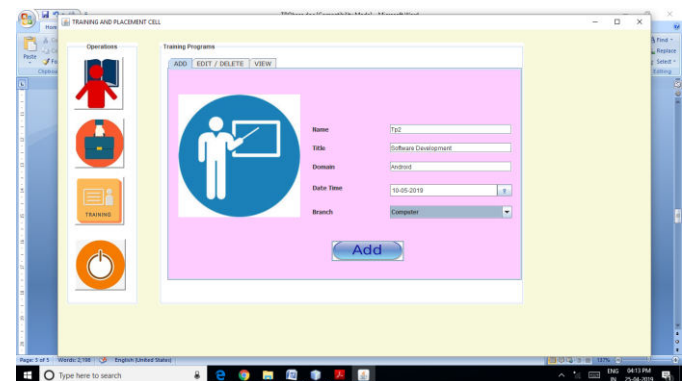


Fig -8: Add Training Programs

3.2 HR Executive (Company)

Company representative have the authority to view the student information applied for campus recruitment process and provide their company criteria. For the first time, company has to get registered and they need to provide their contact details and website URL. They need to keep contact details and website information updating constantly.



Fig -9: HR Executive Login

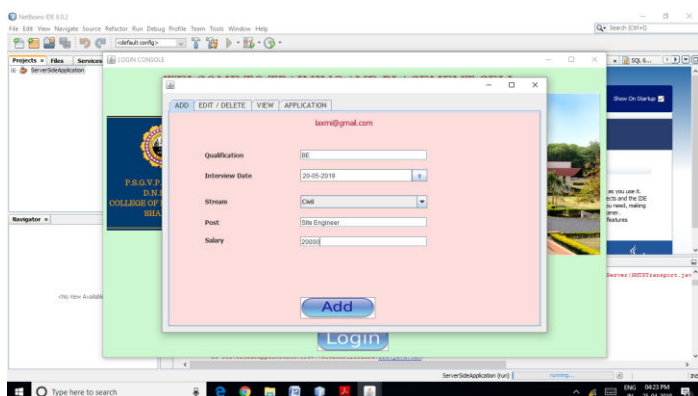


Fig -10: Add Jobs

3.3 Student

Student can give their educational information to TPO through app. They can view the job posted, Company's came in college for campus drive. Student can applied for job interview process in college. Students also view the trainings program processing in college. Student can also get notification of new job added by company.



Fig -11: Student Login

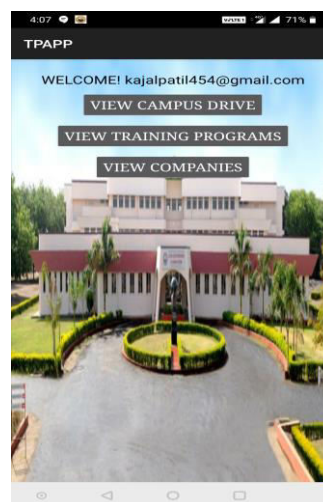


Fig -12: Student Homepage

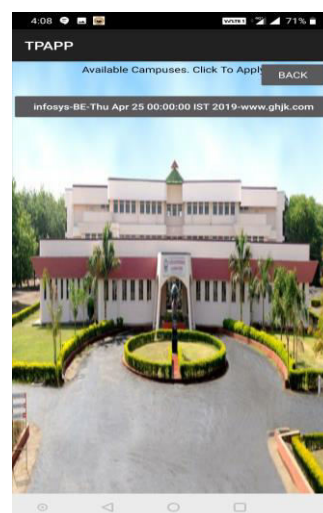


Fig -13: Available Campus



Fig -14: View Available Companies

4. RESULTS

This TPO system works properly and periodic data should be view in sorted ways. TPO system keeps records of student information, company information and Training programs. TPO successfully validate student for using TPO student android app. TPO successfully view the job applied by the

student. Student login TPO app and successfully views job, Training programs conducted in college and also all companies coming in college for placement. Students are notified for new job by notification successfully. Company can add job details and view students applied for job.

5. CONCLUSIONS

The TPO system can guarantee to keep the records are safe and privacy which is stored in database.

In placement system there are many problems to maintain, searching, sorting the entire huge data. The system is provide solutions such as automates the placement procedure for any college.

Pattern matching techniques are applied on the data. The TPO system was performs well functional, reliable it very helpful to students to get an alert by the massage on the cell phone.

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