



ISSN: 0975-766X
CODEN: IJPTFI
Research Article

Available Online through
www.ijptonline.com

A NEW FRAMEWORK FOR TRAINING AND PLACEMENT SERVICES USING MOBILE

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Received on 10-08-2016

Accepted on 06-09-2016

Abstract

Training and Placement is important part of any educational institute in which most of the work will carried out using automated tools. Hence the service of these can be given in mobile to increase the efficient data connection on hand held devices. So the mobile can be used as later device to fill the gap between students and companies visiting the campus for recruitment. Therefore our proposed framework can be aimed to reduce human efforts and errors by automating important tasks of cell such as displaying notices, maintaining info regarding students, student eligibility, company criteria, training sessions, preparation seminars, interview schedule, etc.

Keywords: Automation, Online authentication, Smart phone, Placement and Training(PAT).

1. Introduction

Modern technologies have given numerous ways in which for creating advances in numerous fields. Recent samples of these are computers, laptops and smart phones which may do any advanced work simply. The overall use of internet and applications in Smartphone has enhanced enormously. Smart phones can run on variety of platforms like iOS of Apple, Android of Google, Windows of Microsoft, etc. The increasing advantages of automated system now are at highest position so several manual processes are automated. Since the automated system is demanded now-a-days, educational infrastructures like faculties required their manual system to operate on computer system [1].

When it involves the Placement and Training Cell it plays a vital role in locating job opportunities for Under Graduates and Post Graduates passing out from the college by keeping in touch with reputed firms and industrial establishments. The Placement Cell operates around the year to facilitate contacts between companies and graduates. The increasing benefits of automated system now are at highest position thus many manual processes are automated. Since the automated system is demanded now-a-days, educational infrastructures like colleges needed their manual system to function on computer system. One of such system which is of major importance is training and placement

automation for campus recruitment. Though some manual functioning systems of faculties are automated like maintaining attendance record, library management [2]. The colleges have more to do like observance and maintaining student's presence in the campus, that necessary data for their parents or guardians.

2. Importance of Placement and Training Cell

Placement and Training cell provides more facilities to the user such as visited company in college campus, and take the information about company and selected students. And also the Placement Cell works together as a team in moulding the scholars to the requirements of assorted industries. In today scenario the Training and Placement Officer (TPO) is the key person in any professional organization. The TPO has the responsibilities of training the students for recruitment and to get companies for campus placement. The Training and Placement Cell is to develop employability attributes of students and to conduct placement based training to the students and should provide training for English communication, soft skills and aptitude as curriculum under graduate and post graduate Students. Build Aware & Trained in latest accessible technology through frequently organizing, Guest Lectures, Trade professional talks personally or Remotely, Technical Workshops, summer and Winter Internship Programs. And additionally to conduct On and Off-Placement drives for recruitment, encourage the Industry, Institute union, Coordinate with Alumni Association, conducting Placement drives and pool campuses for recruitment, developing entrepreneurial skills in Engineering graduates.

3. Mobile Technology for PAT

Mobiles are an integral part of lifestyle. With time, customers are expecting best and extremely versatile applications in less time. It's massive challenge to develop high performance mobile applications during this competitive market that will meet the expectation of customers [3]. The advancement in mobile technology has improved everyone's life. One among the uses of mobile devices is "mobile learning", which can be defined as "all kinds of learning that do not take place in certain predetermined fixed places". The student appearing for placements and different engineering related entrance exams, have to prepare themselves in technical also as non-technical areas [4].

For this they need to accumulate study material from different sources. Also there are many mobile applications available that offer mock tests. However there's no application that provides all the sections under one place [5]. They also surf around internet for some tests for practice. Android technology, being available freely for download, along with enhanced data storage occupying less space leading to increasing number of users using android technology. This system provides the modules like user interface for Student developed on android platform, user

interface for Administrator called Training and Placement Officer (TPO) developed on desktop, Classification module, Company and Forum. It manages recruitment method of every Job posting on the basis of each individual resume [6]. Provides various functionalities like managing student resume, Company Profiles, Job Postings, Authentication and activation of student profiles, Send Notifications to students via SMS or email, listing out the scholars as per company's criteria, provides the list of shortlisted student with resume to company [7] [8].

4. A New Framework for PAT Services on Mobile

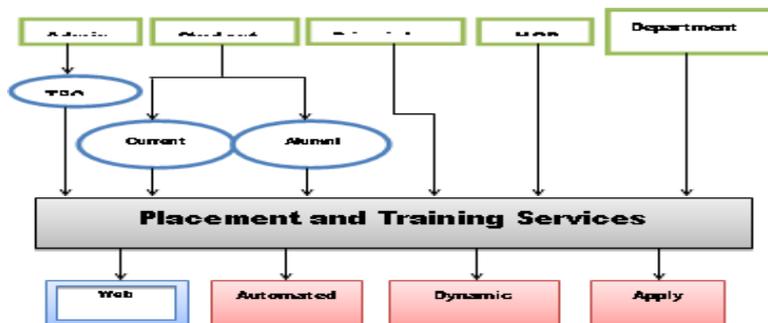


Figure.1. The New Framework of Placement and Training Services using Mobile.

Training and Placement Officer (TPO) is the administrator of this system. An Alumnimeans a graduate or former student of a specific school, college, or university. The primary function of a web server is to store, process and deliver web pages to clients. The communication between client and server takes place using the Hypertext Transfer Protocol (HTTP) and system will provide facility of sending automatic email to the eligible students. Dynamic Notification Service is helpful in sending updates as notifications for students to their devices. The eligible students can apply for the company using apply button. TPO is able to view the student details of all departments. TPO is able to upload the required material for the student. TPO can communicate with the Students, Principal, HOD and Departmental coordinator through communication wall. TPO can store the notification about the events that will be conducted by the Training and Placement cell, also about upcoming company. After student login, they can create and edit their profile and they keep their information in it. Student can download, view the visited company aptitude question paper. They can communicate with the other users through the communication wall. Student will also get the notification which is feed by the TPO.

5. Conclusion

From a current analysis of positive points and constraints on the component, it can be safely concluded the developed system will 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 complete immense information. The system is provide

solutions such as automates the placement procedure for any college. Pattern matching techniques are applied on the data. The Developed system was evaluated, tested, it performs well functional, reliable it very helpful to students to get an alert by the message on the cell phone. Hence, the proposed system removes all the draw backs of existing system and enhanced with the automatic e-mail system and dynamic notification system. The proposed system gives the automation in all the processes like registration, updating, searching. It provides the detailed solution to the present system drawback.

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