

**Review on An Interactive Training And Placement System**

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Abstract — An Interactive Training And Placement (ITaP) System automates activities of placement cell provides opportunities to the student to use collective intelligence to rise the selection ratio and satisfaction out process of creation of management information automatically. OP targeted on the automation of the placement cell. Enables the resumes, communicating about the various job openings to the student community, controlling the associated relationship for inviting them for the placements as well other activities, creating the placement queue, track the progress of the selection process and communicating with different users .OP system gives the module like Administrator (TPO/ TnP Staff/ Departmental Staff), Student (Current Student/ Alumni), Forum and Company. It has the features like Integrated Toolkit for Reach-out to Companies Track. It controls the Placement process of every Job posting individually. Manage Company Profiles, Manage Job Postings, Authenticate and activate the student profiles, view Notifications to students, Create list of students as per company HR Manager Job Request, gives the list of shortlisted student with resume to company HR Manager, Export data of shortlisted students to excel file related on Search Criteria, Manage student profile, Set preferences for student eligibility criteria for the placement, Time & Role Based Secured Access to users.

Keywords - Authorizing, TPO, Security, TnP, Forum

I. INTRODUCTION

Now a day we all are using the internet and World Wide Web. By using this we can get the information of anything. By using this we can do multiple things like booking, apply for any job, etc. The use of internet facilitated users to manage placement process. This led to a different web based placement management system developed specifically by the placements professionals and the software programmer to become An Interactive Training And Placement (ITaP) System. OP system is online applications are accessed throughout the organization and outside the organization with provided authorized username and password. This system can be used as an application for the Training and Placement Officer (TPO) of the college to manage the student information with related to placement. Company representatives logging in system and may also access/search any information put up by Students. OP is an application to provide students to register, search for company and apply for jobs. The TPO and the companies to take effective actions on the web as follow-on from the information they have viewed. TPO provides conformation of student registration and updating. OP helps in developing a long-term associated relationship with companies. OP system provides information on placement providers and the placements they offer so that students may assess and view their opportunities for particular company.

Computer based placement system are construct to improve existing system. Whatever the information which is TPO has, TPO has to pass to the all student and he or she can inform online. Improve sureness in result. It has user-friendly interface having quick authenticated access to all documents. It provides the facility of maintaining the all details of the students related to the placement. It will minimize the paper work and utilize the maximum capabilities of the organization and setup as well as it will save time and money, which are wasted in making reports and collecting data. It can be access in the organization and outside as well with proper login provided by the system. This system can be use as an application for the college to manage the student information related to placement. Also helps company coming for campus recruitment to see the student details. Before coming for campus, company can gain information about eligible students along with the interested students.

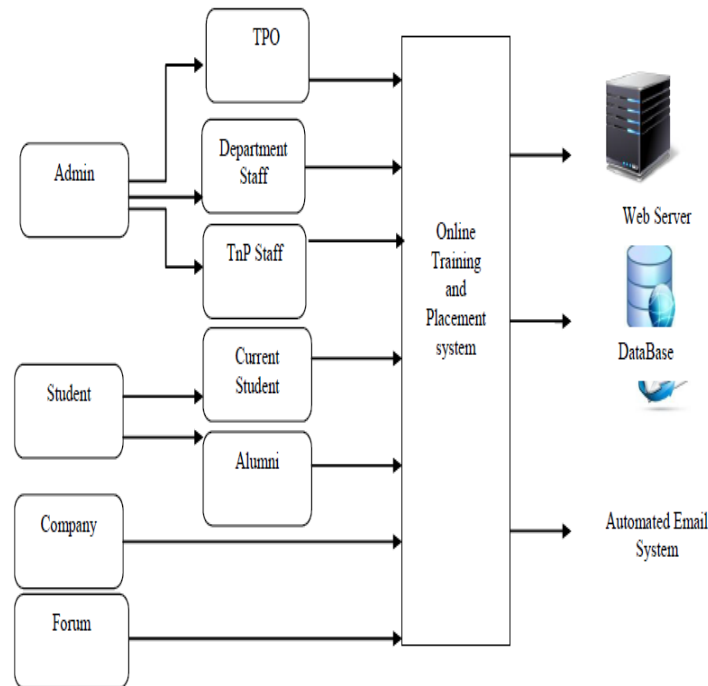


Fig 1. Architecture Diagram

As shown in figure, the proposed Online Placement System meant to give more easiness to the users that they can add and retrieve information so quickly. When you open this web application at the front end all the event/ schedule are available to everyone. There are primarily six types of users they are Current Student, Alumni, Training and Placement Officers (TPO) of college, Training and Placement Staff, Departmental Staff and Companies. The administrator is the master user; which is the TPO in our system. The TPO gets the most number of priorities than the other users. There are different functions are given to the TPO like approval, updating. The administrator/TPO can view and approve the different application forms. In proposed system two types of student, Alumni and Current Student. Alumni students are the students which have passed out in last three years. A separate registration will be done by the alumni students. Alumni students will be kept in contact by an automated notification by E-mail message. Alumni students will have access of forum, with which they can send queries, reply queries. This will help the current student as there will be sharing of ideas by alumni's. The Current Students can view and enter information around the clock and from any location. Students can edit their resumes / CVs online, and update them when they want. Students can very flexibly search for any company and View Company and vacancy details, and apply to vacancies by sticking a Resume/CV. Students can access the data provided by placement team.

In our system administrators have three different users like TPO, Departmental Staff, and TnP Staff. Each user has a different security and features. The TPO can give an grant to edited information done by the student. In addition, TPO can find out the eligible student based the company criteria and can generate the list of eligible students. TPO can send an email to the eligible student. The TPO can interact with the student by the forum module. Like other users, TPO can view any vacancy on the system. They can also search for vacancies via flexible forms. TnP Staff is the one the most vital user in the OP system. They provide the sanction and conformation to the student over automated email system. They give the authorization of the information provided by the student through automated email system. They can see the message provided by the student like contact details, marks, extracurricular activity, parent mobile number or other information. They find the student based on the extracurricular activity or skill. They can use the parent's details for further communication. They put online notices, schedule and events so that the all user can view this. One authorize Departmental Staff can register with the system. Staff can give the required material to the student for the placement. They also download / upload the information. They can communicate with the TPO or Student through forum. The companies will have to get register for the first time so that their information's like the contact information, URL, vacancies, papers will be provide. Companies can edit their own contact information to keep it current. They can also edit information about the company and any vacancies, producing much richer and current information.

II. Related Work

- A. **Nilesh Rathod, Seema Shah, Kavita Shirsat [6]:** Online Training and Placement (OTaP) System automates activities of training and placement call provides chance to the student community to use all intelligence together to increase selection ratio and eases out process of creation of management information automatically. OTaP focuses on the automation of the placement call. It allows authorizing the CVs, communicating about the various job openings to the student community, managing the corporate relationship for calling them for the placements as well other activities, creating the placement metrics, monitoring the progress of the selection process and communicating with different users. OTaPs system provides the module like Student (Current Student/ Alumni), Administrator (TPO/ TnP Staff/ Departmental Staff), Company and Forum.
- B. **Hitesh Kasture, Sumit Saraiyya, Abhishek Malviya, Preeti Bhagat [7]:** An Advanced Training and Placement Web Portal automate activities of TPO cell of college that provides opportunities to the students to raise selection ratio and it maintains student's information automatically. Collecting and authorizing the CVs, discussion about the various job opportunities with the students, managing the corporate relationship for inviting them for the placements, provides job openings to the alumni students who are not placed, maintaining information about placed students and then communicates with different users of system. ATPWP system provides the modules like Student (Current/ Alumni student), Administrator (TPO Staff / TPO officer / Department staff), and Forum, and Company. It has the features by using which students can search for the company reviews, Placement papers etc. TPO can arrange mock test and mock interviews using this system. Manage Company Profiles & Job Postings, Authenticate and activate the student profiles as well as company profile, Send Notifications to students, create a list of students as per company criteria for Job Request, provides the list of shortlisted student with resume to company HR, send data of shortlisted students based on company Criteria, Manage student profiles.
- C. **Prof. Anagha Kulkarni [8]:** The proposed system automates the online registration of all the user, deactivation and activation the user, resources to be provided online, personalization to the user, communication between the users, online feedback. The admin of the system can see the user information and will validate it. The admin also generate the student list based on the company criteria and company details are also provided to the all users. searching and sorting can be done, and reports can be generated. Alumni data can be maintained in our system. Overall, all the process of the training and placement department is done automatically. We minimize the human intervention. But the drawback of proposed system is here all is done online. No message sending is provided. And also maintaining is little bit complicated.
- D. **Mr R J LAIRD[9]:** OPUS was started by them to improve the management of work-integrated learning for all participate members. Doing this, we sought to grant with range of principles which would maximize the experience of all users of our system and enable the wider use of the programme. Simply in the development it was decided to create OPUS as open source software to permit any other user to modify or create it within the terms of the GPL (v2) license. But the drawback of this system is this system if effectively useful for only OPUS users
- E. **Mr. Nilesh T. Rathod, Prof. Seema Shah [10]:** In this system they provide a online training and placement process. The admin of the system can see the user information and will validate it. The admin also generate the student list based on the company criteria and company details are also provided to the all users. searching and sorting can be done, and reports can be generated. Alumni data can be maintained in our system. Overall, all the process of the training and placement department is done automatically. We minimize the human intervention. But the drawback of proposed system is here all is done online. No message sending is provided. And also maintaining is little bit complicated.
- F. **Mr. Nilesh Rathod, Dr. Seema Shah, Prof. Kavita Shirsat [11]:** In this paper they describe the solution for the problems which occurred in existing manual systems. The major problem in a manual system is updating

and searching of the student data. This proposed system gives automation in all processes like update, registration, and searching of the student's data. Also if students are eligible for any company criteria then the student can directly apply for that company by only single clicking on apply button.

- G. **Prof. Seema Shah Assistant Professor, Mr Nilesh Rathod[12]:** In this paper they describes the objective about the users and their authority. This makes the application more attractive and simple for using . In this system they provide mainly two users: TPO (administrator) and second is student. The admin is the master user of this system. Admin has the number of responsibilities and priorities than the other users that is students. There are number of different functions involved like as updating, approval. Student that is second user can register and view or edit their profile details.
- H. **Shilpa Hadkar, Prof. Snehal Baing, Prof. Trupti Harer, Prof. Sonam Wankhede, Prof.K.T.V.Reddy[13]:** In this paper they describes the mainly two steps, the first one step is to maintain the list of all students and their related records and another one step is to maintaining the company details like as their vacancies, etc. and based on the company requirements, get shortlistrd list of students branch wise, which is the more complex task.

III. COMPARISON

In an existing system, all the processes are handled manually. This process is difficult when the number of users increases. The administrator should refer all the files kept for year0s ago to simply known the details. This is time consuming and uninteresting job. There are so many limitations for the existing systems. In manual Placement, all the work done by human intervention due to which there were so many chances of errors. The interface of administer and student is maximum which makes the system time consuming. Students created and submitted their Resumes early in the year, quite they chilled in time. Lists were created for each company, and students had to regularly go in to review the notice board. The process was slowing; valuable academic time was diverted from the activities that are more useful for students. In college the records were stored in altered, excel sheets hence sorting is a problem. The excel sheets were less advance e.g. suppose we want students having 2 ATKT then the student with 0, 1, 2 ATKT were select whereas required result is only of 2 ATKT. The files were not stored hierarchical format hence searching was a greatest problem, due to this the updating was very ambiguous and difficult this leads to the duplication of records was usual hence data redundancy. Searching is done manually based on the company criteria TPO will find out the eligible student by looking the excel sheet.TPO has to see each and every student marks and their eligibility. No any searching method is provided. The student will get notify through classical notice board only. There may be time of loss of opportunity. The students were not being made aware of the placement activity. At current system there is no medium through which TPO, TnP and students can communicate with each others.

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V. CONCLUSION

In the existing system, largest work goes in paper by humans and it is error prone system, and this system takes time for any changes in the system. The most critical problem is the searching; sorting and updating of the student data and no any method for notification available for giving information to student expect the notice board. In the Online Placement System supplies automation in all the processes. The system gets online registration of all the user, deactivation and activation of the user, personalization to the user, resources to be provided online, communication between the online feedback, users, other setting option. The admin can see the user information and will authorize it, generate the shortlisted student list based on the company criteria, company details can be provided to the all users, sorting and searching can be done, and reports can be generated. Alumni data can be maintained. Overall, all the process of the placement department is automated. No customized application is available for manage quality procedures in teaching environment. OP System serves the quality implementation solution in teaching environment.

VI. REFERENCES

- [1] Talaba, D., Moja, A, Zirra, E., *Guidelines towards a European standard for quality assurance of student placement*, available in login space on www.q-planet.org.
- [2] Zirra E., March F., *Building University - Enterprise Cooperation for the Benefit of Students, Enterprises and Companies*. EUI-Net workshop, Athens 28 September (2006). http://www.eui-net.org/Project_documents/.
- [3] Tynjälä, P., *Perspective into learning at the workplace*, Educational Research Review, 3, 2008, pp.130-154.
- [4] Talaba D., *University-Industry cooperation in the Knowledge based society*. Proceedings of the 2nd International EUI-Net Conference on: Teaching and Research Synergy", 4-6 May, Tallinn, pp.7-13. (2006).
- [5] Talaba D., *University-Industry cooperation in the Knowledge based society*. Proceedings of the 2nd International EUI-Net Conference on: Teaching and Research Synergy", 4-6 May, Tallinn, pp.7-13. (2006).
- [6] Nilesh Rathod, Seema Shah, Kavita Shirsat, "An Interactive Online Training & Placement System", International Journal of Advanced Research in Computer and Communication Engineering, Vol. 3, Issue 12, December-2013.
- [7] Hitesh Kasture, Sumit Saraiyya, Abhishek Malviya, Preeti Bhagat, "Training & Placement Web Portal", International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169 Volume: 2 Issue: 3, March-2014.
- [8] Prof. Anagha Kulkarni, Priyanka Hajare, Priyanka Khandave, Shital Adhav, Swati Pimpale, "Implementation of Online Placement System", IJERMT All Rights Reserved International Journal of Emerging Research in Management & Technology ISSN: 2278 -9359 (Volume-5, Issue-1), January-2016.
- [9] Mr R J LAIRD, "Interactive Web-based Placement Management-Principles and Practice using OPUS", School of Engineering, University of Ulster, Shore Road, NEWTOWNABBEY, Co. Antrim, UK, BT37 0QB, 2008.
- [10] Mr. Nilesh T. Rathod, Prof. Seema Shah "Design Paper on Online Training and Placement System (OTaP)", Vidyalkar Institute of Technology Wadala, Mumbai, India, 2013.
- [11] Mr. Nilesh Rathod, Dr. Seema Shah, Prof. Kavita Shirsat, "An Interactive Online Training and Placement System", International Journal of Advanced Research in Computer Science and Software Engineering, Vol. 3, Issue 12, 2013.
- [12] Prof. Seema Shah Assistant Professor, Mr Nilesh Rathod, "Design Paper on Online Training and Placement System (OTaP)", International Conference on Education and Educational Technologies, 2013.
- [13] Prof. Shilpa Hadkar, Prof. Snehal Baing, Prof. Trupti Harer, Prof. Sonam Wankhede, Prof. K.T.V.Reddy, "College Collaboration Portal with Training and placement", IOSR Journal of Computer Engineering (IOSR-JCE), Vol.16, Issue 2, 2014

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