



Web Based Information System for Training and Recruitment at Industry

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Abstract:- Training and Placement activities are very important part of any educational institute, in which most of the work till now is being done manually. The training and placement officer has to inform the number of students about every single training and placement related activity. This application manages the placement activities and also forms the network of training and placement officers within the region so that, every college and students get notified if any placement related activity happens in one college. This web-based application can help the placement officers to provide the details of upcoming companies. Sometimes students prepare for aptitude or technical subject tests by just attempting the quiz based on topic, rather they just click on view answer without solving them because they don't have knowledge of those topics. In this system, we will develop an application for students which will help them to be ready for the campus recruitment process, this system will be helpful in faster management of the placement related activities in the college campus. If the student who wants to go for technical higher education they can prepare from 12th standard. The front end of the system is developed with the help of HTML and CSS. The backend of this system will be managed with the help of PHP. Database management of this system will be done with the help of the MYSQL database

Index Terms - Data Retrieval, Boolean retrieval, Database Server, HTML, CSS.

I. INTRODUCTION

Students studying in the final or third year of an Engineering college start feeling the pressure of the placement season with so much of placements activities happening around them. They feel the need to know where they stand and how they can improve their chances of getting a job. The Placement Officer plays an important role in this. The students are given vital information on how to prepare themselves for the placement season by the TPO. Training and Placement is an important part of any educational institute, in which most of the work till now is being done manually. The training and placement officer has to inform the number of students about every single training and placement related activity.

So to make the placement process easy and effective for the training and placement department as well as the students, a web application can be developed. This application forms the network of training and placement cell within the region so that, every college and students get notified if any placement related activity happens in one college. This system can help the placement officers to provide information about upcoming companies. The students will be alerted via a notification. In order to get placed in a company, Students tried to be prepared for campus recruitment from multiple resources. While Students preparing from different sources they might not get the knowledge which is required to crack the Screening test (Aptitude or Technical). Also, sometimes students prepare for aptitude or technical subject tests by just attempting the quiz based on topic, rather they just click on view answer without solving them because they don't have knowledge of those topics.

If the student who wants to go for technical higher education they can prepare from 12th standard by solving multiple choice question which is based on related subjects. In this system, in this system, we will develop this application for students which will help them to be ready for the campus recruitment process. The student will get access to Aptitude, Technical and Communication Skill Modules which will bring the knowledge of respected modules. In respected modules, students will get Video Lectures and Lecture Material (pdf, docs, ppt, etc.). After learning the topic students will be assigned the quiz on the respected topic. If any changes are needed to be made in the student detail the students can make a request to the placement officer. This system will be helpful in faster management of the placement related activities on the college campus.

II. LITERATURE REVIEW

[1]SurajTrimukhe, Anil Todmal, KanchanPote, MonaliGite, Asstt. Prof. S.S. Pophale “Online Training and Placement System (IRJET)” - In this paper author focus onOnline Training and Placement, It has become need for each and every student, but for that they need to travel worldwide in searching of jobs. It is very difficult to maintain coordination between student and companies and it is also time consuming

[2]Hitesh Bhavsar, RamchandraKawale, Prof. PrashantSawant, Asst. Professor “Online Aptitude Exam Generation System” - In this paper author focus on Online Aptitude Exam Generation, This System is smart enough to find the student level within short interval of time and to produce the accurate result. The main feature in this system is the concept of timer, timer is to be added to every question for analyzing the answer to set to the level of the paper.

[3]Anjali.V, Jeyalakshmi. PR, Anubala .R, Sri Mathura devi.G, Ranjini.V “Web Based Placement Management System” - In this paper author focus on Web Based Placement Management, 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.

[4]K.Anand , Retheesh D, J. Hemalatha, S. Karishma, R. Logeswari “Application for Training and Placement Cell” - In this paper author focus on Training and Placement Cell, This system can help the placement officers to provide the information about upcoming companies. The students will be alerted via a notification

[5]Prof. HareshBarapatre, PrashantHadapi, Monish Lokhande, Pritam Tare “Online Aptitude Test”- In this paper author focus on Online Aptitude Test, The purpose of on-line aptitude test system is to take online test in an efficient manner and no time wasting for checking the paper.

[6]Dr. S.B.Vanjale, Rahul Kumar Modi, Supreet Raj, Akshit Jain “Smart Training & Placement System”- In this paper author focus on Smart Training & Placement, This system can be used as an application for the Training & Placement Officers in the college to manage the student information with regard to placement and providing assistance using the assistance portal where students can post their query to the TPO and coordinators.

[7]Pratik Bhavsar ,Prof. PriyaSurana, KaustubhAphale , Alvis Ingle , ParijatKawale “Survey on: Training and Placement AutomationSystem”- In this paper, the author focused to provide a detailed survey of different Training and Placement Automation Systems by analysing parameters like technology, scope, feasibility, security and efficiency of the system.

Comparison table given below:-

Sr no.	Title	Author	Objective	Limitations
1	Online Training and Placement System. (April,2017)	1.Suraj Trimukhe, 2.Anil Todmal, 3.Kanchan Pote, 4.Monali Gite, 5.Asstt. Prof. S.S. Pophale	This system was developed as management system, not to provide any online training.	This system does not provide the SMS integration. It does not help us to take the record of alumni.
2	Online Aptitude Exam Generation System. (April,2015).	1.Hitesh Bhavsar 2.Ramchandra Kawale	The main feature in this system is the concept of timer, timer is to be added to every question for analyzing the answer to set to the level of the paper.	This system does not provide any preparation resource.
3	Web Based Placement Management System (April,2016)	1. Anjali.V 2.Jeyalakshmi.PR 3.Anubala.R 4.Sri Mathura devi.G, 5. Ranjini.V	This system can be used as an application for the Placement Officers in the college to manage the student information with regard to placement.	All the record stored in excel format, that’s why difficult to find wanted data efficiently.
4	Application for Training and Placement Cell (March,2015)	1. K.Anand 2. Retheesh 3.J. Hemalatha 4.S. Karishma 5.R. Logeswari	The students will be alerted via a notification. Once the recruitment process is completed, a list of placed students will be uploaded in the application by the administrator.	Students can not check for the previous placement.
5	Online Aptitude Test (April, 2017)	1.Prof.Haresh Barapatre, 2. PrashantHadapi 3.;Monish Lokhande 4.Pritam Tare	The main objective of on-line aptitude test system is to efficiently evaluate the candidate thoroughly	It takes long interval of time to produce the accurate result.

			through a fully automated system.	
6	Smart Training & Placement System (June, 2017)	1.Dr. S.B.Vanjale 2.Rahul Kumar Modi 3.Supreet Raj 4. Akshit Jain	The system focuses on automation of conventional training and placement management system.	This system does not give notification to students about the jobs that are available off campus.
7	Training and Placement Automation System (October, 2018)	1.Pratik Bhavsar, Prof. Priya, 2. Surana 3.Kaustubh Aphale 4.Alvis Ingle 5.Parijit Kawale	The system focuses on Automation of conventional training and placement system.	It takes long interval of time to process and hence decreases the system efficiency.

III. PROBLEM STATEMENT

Now a days, the student joins the college for better education as well as better placement for their future. The placement activities play a very important role in student career and building a college reputation. In the current system, all training and placement activities are done manually, there are more chances of error. It is a very time-consuming activity for collecting, managing, manipulate student data as a number of student increases. In college where the placement will be going to hold, the T&P officer of that college inform another college T&P officer via messages or mail, it is also very tedious when no. of colleges of a particular region is more.

Students choose a particular college where the placement will be held, there is a need to maintain all these papers, causing a large amount of space. It is manually done, chances of missing, hard to handle the details of the student. Student faces the problem regarding resources to prepare for the test of companies. Again, they don't find useful online web application which helps them in their preparation. Also, Students don't get resources to prepare for the recruitment process. The training and placement officer has to shortlist according to company requirements. It is required to design a computerized student automation module to speed up capabilities.

IV. PROPOSED APPROACH

The main purpose of the proposed Web based Information System for Training and Recruitment at Industry portal is meant to give more easiness to TPO, Placement coordinators, and Students that they can modify and access information so quickly. The system provides a better way to maintain students information in the database, ensures data correctness and data integrity as well, in this system we forming the network of training and placement cell within the region so that, every college and students get notified if any placement related activity happens in one college.

This web based application can help the placement officers to provide the details of upcoming companies. The students will be alerted via a notification. In order to get placed in a company, Students tried to be prepared for campus recruitment from multiple resources. College can register themselves to the system. T&P officers can manage the record of students of the respective college. Training and Placement Officer can share placement related activities with other colleges. Eligible students will get notified of the drive. Students will also get the recommendation of the required skill for the company and will get training on the application. The system will also get training in the Aptitude and Technical Section.

The student will get access to Aptitude, Technical and Communication Skill Modules which will bring the knowledge of respected modules. In respected modules, students will get Video Lectures and Lecture Material (pdf, docs, ppt, etc.). After learning the topic students will be assigned the quiz on the respected topic which they need to be cracked. If they fail to crack the topic's quiz test then they will have one more chance to attempt the test and to improve their performance. If any changes need to be made in the students detail the students can make a request to the placement officer. This system will be helpful in faster management of the placement related activities on the college campus.

This project mainly divided into four modules:

A. T&P MODULE:-

The T&P Module has the authority to manage various functionalities of the system. This module will be handled by an Admin (say Training and placement Officer) who has the authority to:

- Register & Log In
- View Vacancies posted by Company
- View Announcement posted by other colleges
- Send Announcements to the students and other colleges
- View & Edit Profile
- Log Out

B. STUDENT MODULE:-

This Module consist of a login option and registration window for unregistered students. Students will use their mobile number as log in id and a proper specified length password. The functionalities provided in this module consist of:

- Register & Log In
- View Announcements
- Can learn concepts such as Aptitude, Technical and Communication Skills
- Give Test and see score
- View & Edit Profile
- Log Out

C. COMPANY MODULE:-

This module will provide an access to a company to interact with the system. The user will be the companies visiting the college for recruitment's. Here, the user will be log in with valid user id and password into system.

- Register & Log In.
- Post Vacancies.
- View Students
- View & Edit Profile
- Log Out

D. ADMIN MODULE:-

This module will provide an access to a company to interact with the system. The user will be the admin deciding who to grant to access the system. Here, the user will be log in with valid user id and password into system.

- Register & Log In.
- Post Vacancies.
- View Students according to company requirement
- View & Edit Profile
- Log Out

V. PRESENT WORK

The project aim is to develop Web based information system for training and recruitment at industry. The web based information system for training and recruitment at industry gives more easiness to the users so that they can add and retrieve information quickly. Once user opens this system all the schedule/events are available to everyone.

There are four types of user admin, student, training and placement officer and company. The administrator is the master user having most of priorities than other users and has different functions like updating, viewing and approving colleges to use system. The student can enter and view information i.e. do registration, update them constantly. Student can very flexibly access the learning material and can see the campus drive notices. TPO perform task such as sending campus drive notices to the eligible students as well as to the other colleges, can add and view placed student's information.

The company have to get register so that their information like the URL, contact, information, paper, vacancies will be provided. The web server to manage a performance the TnP activities efficiently. The database stores the whole data related to TnP system.

The present work of the project is as follows:

T&P Module:

1. Registration Page: In Registration page, T&P will enter College details to get registered into the system.
2. Log in Page: In Log in page, T&P will Log in into the system.
3. View Vacancies posted by Company: T&P will be able to view vacancies posted by the company.
4. View Announcement posted by other colleges: Here, T&P can view the campus detail of other colleges sent by the T&P of that college.
5. Send Announcements to the students and other colleges: Here, T&P will be able to send announcement to the T&P of other college. My Profile: Here, T&P can view profile and can also edit/modify it.
6. Log Out: T&P will be logged out from the system.

Student Module:

1. Registration Page: In Registration page, student enter his/her personal and academic information along with structured length password to get registered into the system.
2. Log in Page: Here student will enter Mobile Number as log in id and Password to enter into the system.
3. Home Page: After Log in, student will be redirected to this page where system will greet them by calling their name (For Ex. Hello Gajanan).
4. Aptitude: In this page, student access aptitude learning material and can give test on prepared topics and see score.
5. Technical: In this page, student access technical subject material and can give test and see score.
6. Communication skill: In this page, student access communication skills and personality development related learning material. Announcements: Here, student can see notices related to campus drives which is send by Training and Placement Officer.
7. Other Student: Engineering as well as 12th std. students can give test on important subjects.
8. My Profile: Here, Student can see his/her profile and can also edit his/her profile.
9. Log Out: student will be logged out from the system.

Company Module:

1. Registration Page: In Registration page, Company will enter details to get registered into the system.
2. Log in Page: In Log in page, Log in id and password to log in into the system.
3. Post vacancies: Here, once logged in by company will be able to post vacancies detail.
4. View Students: Here, Eligible students list will be shown to company.
5. My Profile: Here, Company can view its own profile and can also edit/modify it.
6. Log Out: Company will be logged out from the system.

Admin Module:

1. Registration Page: In Registration page, Admin will enter his/her details to get registered into the system.
2. Log in Page: In Log in page, Admin will enter Mobile Number as Log in id and password to log in into the system.
3. Approve Colleges: Here, Admin approve the colleges to use system. By default College Approval status is Not Approved but Admin can change this to approve them to use system.
4. View Approve Colleges: Here, Admin can view the all of the approve colleges which have permission to use the system.
5. My Profile: Here, Admin can view his/her profile and can also edit/modify it.
6. Log Out: Admin will be logged out from the system.

VI. RESULT AND DISCUSSION

Snapshot of designed system is given below which shows interface of various modules of system along with their Functionalities.



Fig. 6.1. Home Page

Fig. 6.1 is of Homepage which consist Admin, Company, College and Student tab each module having Registration and Login page. Figure 6.2 shows registration and login page. If the students haven't registered they can register by clicking on the Create an Account. Once the students enter the academic and personal details in the registration page, all the details will be stored in the database and after registration student can log in into system by entering mobile no. and Password.

Figure 6.2 shows registration and login page. If the students haven't registered they can register by clicking on the Create an Account. Once the students enter the academic and personal details in the registration page, all the details will be stored in the database and after registration student can log in into system by entering mobile no. and Password.



Fig.6.3. Student Homepage



Fig.6.2. Registration and Login Page

Fig. 6.3 is of Student Home Page, after login Student will be directed to the home page where system will greet them and student can go to other tabs by clicking on them.

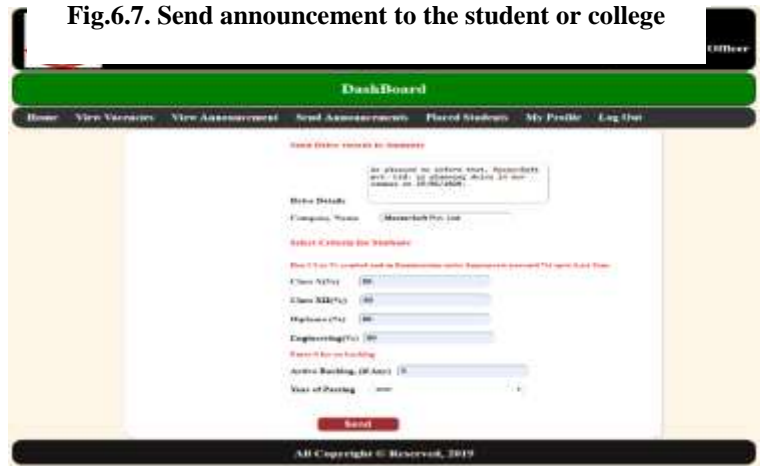


Fig.6.4. Campus Announcement

Fig.6.4 Here student can be able to view details about campus drive send by company or T&P of other colleges.

Fig. 6.5 snapshot is of sending announcement to the student according to eligible criteria. TPO can do others things by clicking on respective tabs.

Fig.6.7. Send announcement to the student or college



The fig.6.6. Shows T&P of the college who can see the list of placed student as well as opening vacancies provided by the company which can be sharable with student as well as other colleges. Company can send the drive details to student, college or both, as shown by the fig.6.7.



6.6 View placed Student and View vacancies

Fig.6.5.T&P sends drive details to student



VII. CONCLUSION

The proposed system can guarantee to keep the records are safe and privacy which is stored in the database. It converts unstructured data into structured data and sorted format. It is very helpful, reliable and performs well functional to get an alert message and emails on the cell phone. Also, this system helps us to take the record of alumni. All the records stored in excel format. According to company criteria, TPO Just enters the requirement of the company and according to that, the list of eligible student get display and TPO notify them.

Once the system is ready with all the functionality it is expected from the system that system should, provide online training to the students. Students can prepare and give a test on the system. Every Year Students can give Tests on MCQ based questions related to their subjects only. It Forms the network of institutions in the region and it allows Faculty to add Questions of their Subject. 12th Standard Students can prepare and Give test on their Subjects.

VIII. FUTURE SCOPE

- We can place the system on the cloud so maintenance of the data can be reduce.
- Apart from Engineering domain, others domains such as Medical, Science, etc. can use the system with some modification for training and placement purpose.

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