

## Placement and Training Management System

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**Abstract** - The proposed “Placement and Management System” is a web based application developed in windows platform for the placement department of the college. The system contains all the information about the students. The system is an online application that can be accessed throughout the organization and outside as well with proper login provided. The system can be used for college to manage the student information with regards to placement details. This project contains all the details of the students that can be viewed by all the users (read only), but can be modified only by the student with an authorized service. The students can only update their own information. Students can search for the material required for the selection process for a particular company. Placed student details can be viewed by all users. So, our project provides a facility of maintaining the details of the students, and gets the requested list of candidates for the companies who would like to recruit people based on a given query.

**Key Words:** Placement and Management System, authorized service, online application, authorized service.

### 1. INTRODUCTION

The use of the Internet and the World Wide Web has revolutionized the provision of information and the facility for the user to take action on the information obtained. Use of the Internet to enable students to manage the placement process with the active involvement of the Placement Coordinator.

Campus placements are conducted in various colleges. During this process, the students should provide their curriculum to the concerned officer for attending the campus interviews. This routine process is maintained manually, like maintenance of their resumes in papers. This can be automated by designing the software. During the recruitment process students provide their resumes manually in papers to the concerned officer. This can be automated using the software. In our study we have identified that training and placement authority of every institute has lot of data and activities to process for synchronization of placement drive, if the data is not processed or handled properly problems like

miscommunication, data loss, improper execution of placement process, under-utilization of resources and ineffective reporting may happen. Also, we have realized after our survey, the current system adapted by many of the institutes has very limited functionality and doesn't allow any kind of automation

and report generation. At current scenario campus placements are conducted in all colleges. Various software and other sector companies are conducting campus selections for selecting merit candidates. When campus selections are conducted the students should provide their resume to the concern officer for attending the campus interviews. This routine process is maintained manually, like maintenance of their resumes in papers. This can be automated by designing software.

The goal of our project is to create an advanced Placement and Training system for the students. We have set the following objectives to achieve the goal:

1. To assist students to develop/clarify their academic and career interests.
2. Maintaining and regularly updating the database of students. Maintaining database of companies and establishing strategic links for campus recruitment.
3. Gathering information about job fairs and all relevant recruitment advertisements.
4. Coordinating with companies to learn about their requirements and recruitment procedures.
5. Identifying the needs and expectations of the companies to assist them in recruiting most suitable candidates.

### 3. DESIGN OF THE PROPOSED SYSTEM

System design is often defined as the method of defining different modules required for software or system to fulfill all requirements. System design shows the general design of the proposed placement and training management system.

The existing system is not computerized. All transactions in the system are done manually. Carrying out all the placement activities manually is a tedious job. To make this laborious job simple the clients have to computerize the system. For example, in the earlier system placement officer has to collect student details for placements. Approving those student details takes lot of time. Placement officer and students have to consult each other directly if any information is needed. Sometimes few candidate details might be missed. Candidate might not get required information if concerned placement officer is not available.

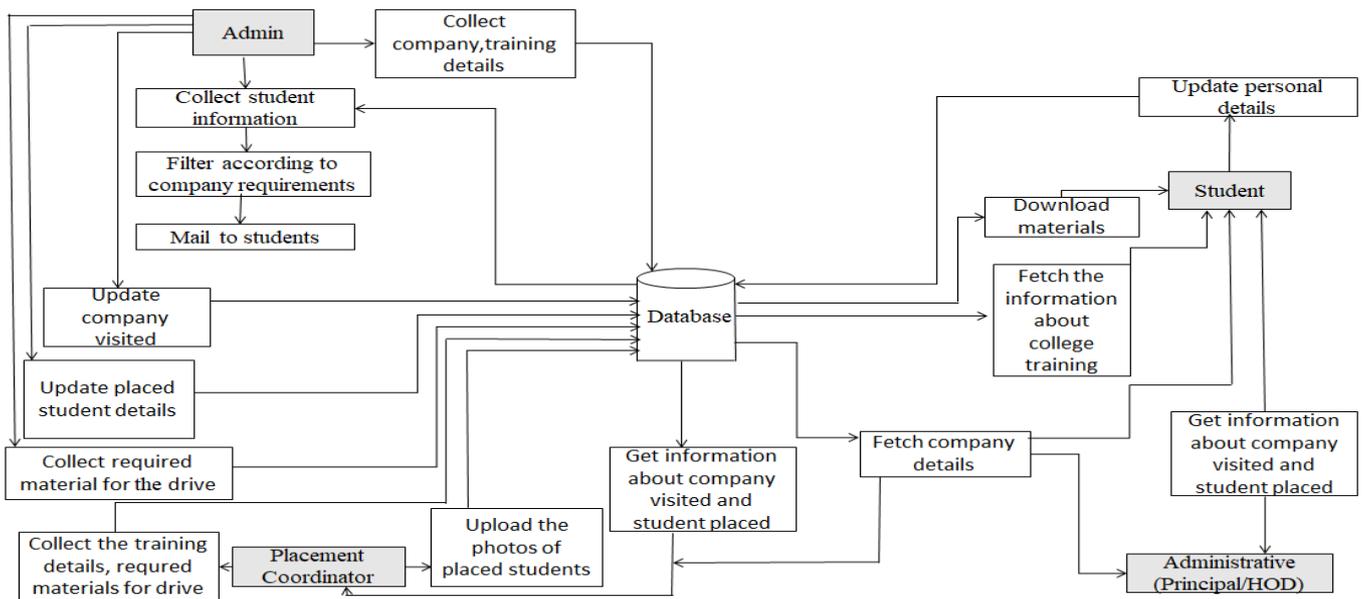


Figure: Architecture of the proposed system

The proposed Online Training and Placement System management system meant to give more easiness to the users that they can add and retrieve information so quickly. There are mainly four types of users they are administrator, students, placement coordinators and principal/HOD. The administrator is the master user; he gets the most number of priorities than the other users. The proposed online training and placement management system is intended to avoid all the drawbacks of existing system. It will add some more features than the existing system. The proposed system is a cost effective way of doing the manual processes done in the existing system. This helps the organization to win the war in the existing competitive world.

### 3. METHODOLOGY

The proposed system has 4 modules

#### Student Module:

Students will initially register and login into the web application. They can upload their details along with resume, marks and update their profile. According to the eligibility criteria Students can get mail to register for a particular company. Accessing of materials regarding placement drive is possible. Students can see the list of students who are already selected for a particular company they can even see the companies visited. Students can register for the various training programs conducted by the college. Student can post their queries or suggestions.

#### Admin Module:

Admin will have a separate login feature and he can monitor the contents uploaded by the students. Admin can add the company details and the requirements related to the company. Admin will filter the students according to the company requirements and send mail to those students who are eligible. Admin will collect and provide the materials which will help in placement drives. Admin can remind students about their test before a week through SMS and e-mail. Admin can update the companies visited and students who are placed in a particular company. Admin can read messages sent by HOD, placement coordinators or students and answer them. Admin can search for students using different criteria.

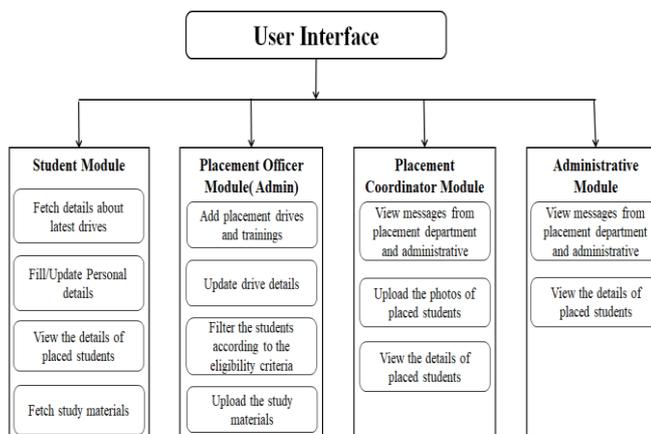


Figure: User Interface of the proposed system

*Placement Coordinator Module:*

Placement coordinator will have a separate login feature and he can post the photos of placed students. He can add the training details. Placement coordinator can collect and provide the materials which will help the students in placement drives. Placement coordinator can read messages sent by students, placement department, principal and HOD. Placement coordinator can send messages and notifications to students. Placement coordinator can search the student, company, drive details using a particular criterion.

*Administrative Module*

Principal and HOD will have a separate login feature and can view the overall drive results. They can see the details of all HODs in the institution. They can view academic details entered by students. They can view placed student details. They can read messages sent by students, placement officer and coordinators. They can search the student, company and drive details using a particular criterion.

**5. RESULTS AND DISCUSSION**

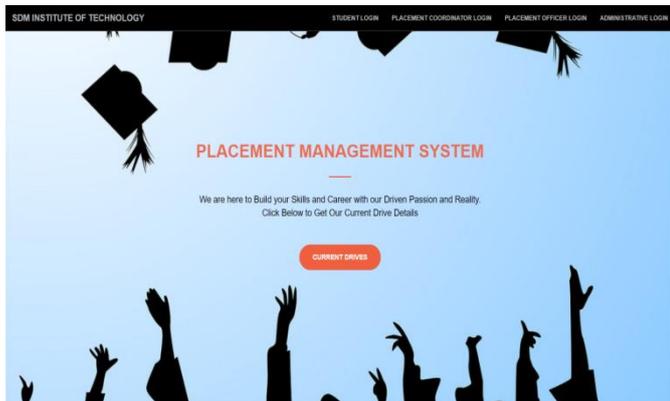


Figure: Home page of Placement Management System

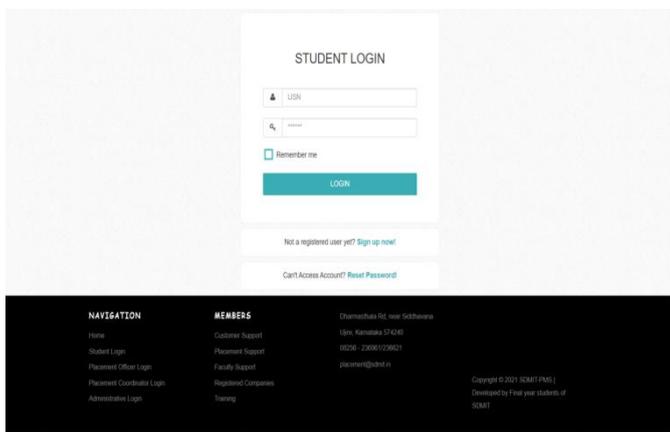
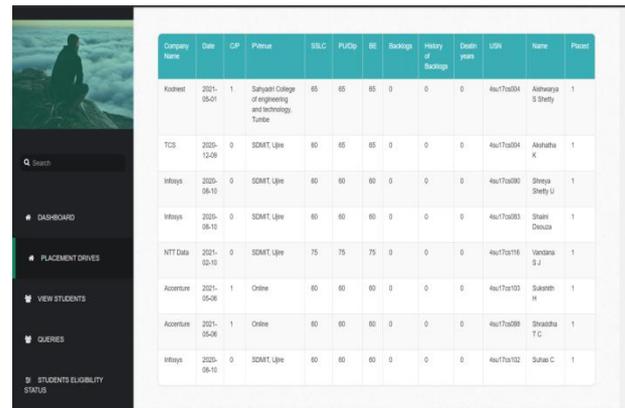
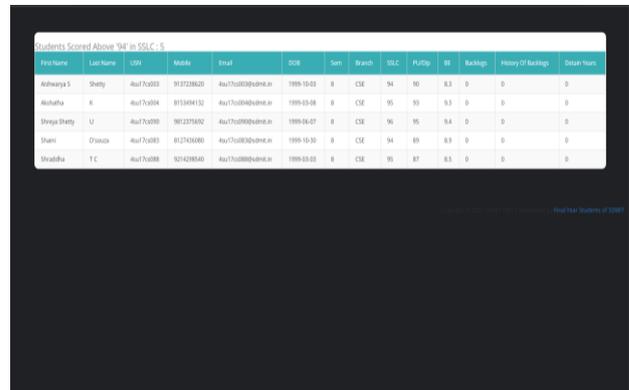


Figure: Student login page



Company Name	Date	CP	Phase	SSC	PU/Dp	BE	Backlogs	History of Backlogs	Credit years	UGR	Name	Placed
Kohmet	2021-05-01	1	Suryaji College of engineering and technology, Tumkur	85	85	85	0	0	0	4ku77a004	Aishwarya S Shetty	1
TCS	2020-12-04	0	SDMT Ugra	80	85	85	0	0	0	4ku77a004	Akhatha K	1
Infays	2020-05-10	0	SDMT Ugra	80	80	80	0	0	0	4ku77a000	Shreya Shetty U	1
Infays	2020-05-10	0	SDMT Ugra	80	80	80	0	0	0	4ku77a003	Shahil Devasa	1
NTT Data	2021-02-10	0	SDMT Ugra	75	75	75	0	0	0	4ku77a016	Vandana S J	1
Accenture	2021-05-06	1	Online	80	80	80	0	0	0	4ku77a010	Sudhanshu M	1
Accenture	2021-05-06	1	Online	80	80	80	0	0	0	4ku77a008	Shraddha T C	1
Infays	2020-05-10	0	SDMT Ugra	80	80	80	0	0	0	4ku77a012	Suhani C	1

Figure: Details of placed students in various companies



First Name	Last Name	UGR	Mobile	Email	SSC	Sem	Branch	SSC	PU/Dp	BE	Backlogs	History of Backlogs	Credit Years
Aishwarya S	Shetty	4ku77a003	918228620	4ku77a00@sdmt.in	1999-10-03	8	CSE	94	90	83	0	0	0
Akhatha K		4ku77a004	915384132	4ku77a00@sdmt.in	1999-03-08	8	CSE	95	93	93	0	0	0
Shreya Shetty U		4ku77a000	981237882	4ku77a00@sdmt.in	1999-06-07	8	CSE	96	95	94	0	0	0
Shahil	Devasa	4ku77a003	912740000	4ku77a00@sdmt.in	1999-10-30	8	CSE	94	89	89	0	0	0
Vandana S J		4ku77a000	971299160	4ku77a00@sdmt.in	1999-01-03	8	CSE	95	87	81	0	0	0

Figure: Search and display the student details based on particular criteria

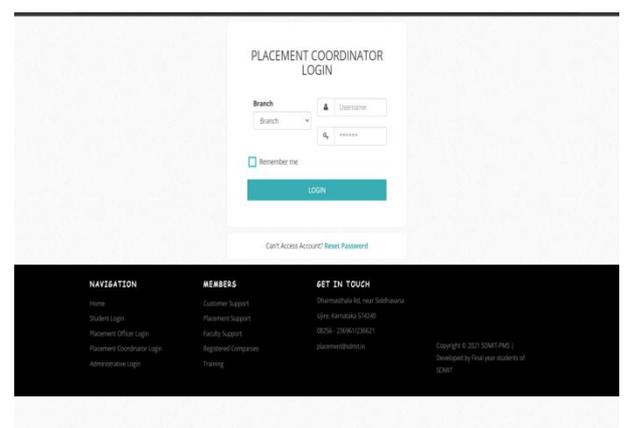


Figure: Placement coordinator login page

## 6. CONCLUSION

Thus, with the proposed system, we can achieve smooth execution of the whole process of communication between administrative, placement and training department and the students. The proposed system is network/web based which makes it portable and accessible to all kinds of smart devices. Job seekers can get message, emails notification about the events. Apart from the organization, others also can view the details about the ongoing events and placed student details through the gallery. The proposed system is designed and being developed for user friendly enterprise resource planning so that every user can get best user experiences out of it with effective reporting.

## 7. REFERENCES

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