

Project Report on

SAKEC ONLINE TRAINING & PLACEMENT (OTaP) System

Submitted in partial fulfillment of the requirements

of the degree of Bachelor in Engineering

by

Kushal Gala BE4-12

Ishan Parekh BE4-35

Jinal Shah BE4-46

Rushaab Saliya BED-64

Under the guidance of

Prof. Dhara Kalola



DEPARTMENT OF COMPUTER ENGINEERING
SHAH AND ANCHOR KUTCHHI ENGINEERING COLLEGE
CHEMBUR, MUMBAI-400088.

2016-2017



SHAH & ANCHOR KUTCHHI ENGINEERING COLLEGE

Mahavir Education Trust Chowk, W.T. Patil Marg, Chembur, Mumbai 400 088

Affiliated to University of Mumbai, Approved by D.T.E. & A.I.C.T.E.

Awarded provisional accreditation for Computer & Electronics Engineering by NBA
(for 2 years from 06-08-2014)



Certificate

This is to certify that the report of the project entitled

Sakec Online Training & Placement (OTaP) System

is a bonafide work of

Kushal Gala	BE4-12
Ishan Parekh	BE4-35
Jinal Shah	BE4-46
Rushaab Saliya	BED-64

submitted to the

UNIVERSITY OF MUMBAI

*during semester VIII in partial fulfilment of the requirement for the
award of the degree of*

BACHELOR OF ENGINEERING

in

COMPUTER ENGINEERING.

(Prof.Dhara Kalola)
Guide

(Prof. Uday Bhave)
I/c Head of Department

(Dr. Bhaves Patel)
Principal

Approval for Project Report for B. E. semester VIII

This project report entitled SAKEC ONLINE TRAINING & PLACEMENT (OTaP) System, by Kushal Gala, Ishan Parekh, Jinal Shah, Rushaab Saliya is approved for semester VIII in partial fulfillment of the requirement for the award of the degree of Bachelor of Engineering.

Examiners

1._____

2._____

Guide

1._____

2._____

Date:

Place:

Declaration

We declare that this written submission represents our ideas in our own words and where others' ideas or words have been included, we have adequately cited and referenced the original sources. We also declare that we have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in our submission. We understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

Name of student	Roll No.	Signature
Kushal Gala	BE4-12	
Ishan Parekh	BE4-35	
Jinal Shah	BE4-46	
Rushaab Saliya	BED-64	

Date:

Attendance Certificate

To,
The Principal
Shah and Anchor Kutchhi Engineering College,
Chembur, Mumbai-88

Date

Subject: Confirmation of Attendance

Respected Sir,

This is to certify that Final year (BE) students

Kushal Gala
Ishan Parekh
Rushaab Saliya
Jinal Shah

have duly attended the sessions on the day allotted to them during the period from 4/01/2017 to 15/04/2017 for performing the Project titled SAKEC Online Training & Placement (OTaP) System.

They were punctual and regular in their attendance. Following is the detailed record of the student's attendance.

Attendance Record:

Date	Student1	Student2	Student3	Student4
25/01/2017	Absent	Absent	Absent	Absent
08/02/2017	Present	Present	Present	Present
22/02/2017	Present	Present	Present	Present
08/03/2017	Present	Present	Present	Present
15/03/2017	Present	Present	Present	Present
29/03/2017	Present	Present	Present	Present

Signature and Name of Internal Guide

ABSTRACT

SAKEC Online Training and Placement (OTaP) System is a web portal designed for managing training and placement data. The main objective of this project is to upgrade the existing placement portal to support the new Credit Based Grade System. The purpose is to design a system that provides functionalities to perform the activities related to placement services.

It helps the training and placement team to manage data related to placement activities. Such as maintenance of student's academic and personal details, registration of placement drives, maintenance of placed student details. The proposed system will also integrate new mailer system which helps faculty-student interaction. The automatic report generation module will help placement team to create various kinds of report with ease. These reports include number of students placed in different companies, package offers by each company, defaulter list generation, placed students in each company and many more features.

Table of Contents

Chapter 1 Introduction	2
1.1. Objective.....	3
1.2. Organization report	3
Chapter 2 Literature Survey	5
Chapter 3 Problem Statement.....	10
Chapter 4 System Requirements	12
4.1. Functional Requirements	12
4.2 Hardware and Software Requirements	12
Chapter 5 Project Design	15
5.1 System Block Diagram	15
5.2 Flow Chart	17
Chapter 6 Implementation Module.....	19
6.1 Module and Descriptions	19
6.2. Snapshots	21
Chapter 7 Testing	37
Chapter 8 Results and Analysis.....	43
8.1 Result	43
8.2 Analysis	45
Chapter 9 Conclusion and Future Scope.....	47
References	49
Acknowledgements	50

List of Figures

Figure 5.1.1 System Block Diagram.....	15
Figure5.1.2 Usecase Diagram.....	16
Figure 5.1.3 Database Schema.....	16
Figure 5.1.4 Module Diagram.....	17
Figure 5.2.1 Flow chart	17
Figure 6.2.1 Student module	21
Figure 6.2.2 Inbox	22
Figure 6.2.3 Profile	22
Figure 6.2.4 Academic Details	23
Figure 6.2.5 Change Password.....	24
Figure 6.2.6 Support.....	24
Figure 6.2.7 Placement help.....	25
Figure 6.2.8 Resume builder	26
Figure 6.2.9 Search	26
Figure 6.2.10 Company registration	27
Figure 6.2.11 CRP	28
Figure 6.2.12 Message.....	29
Figure 6.2.13 Send Mail.....	29
Figure 6.2.14 Registration for Company CRP	30
Figure 6.2.15 Edit Student Details.....	32
Figure 6.2.16 Report Generation.....	32
Figure 6.2.17 Old Report.....	33
Figure 6.2.18 Overall Report.....	33

Figure 6.2.19 Selected Students Report.....	34
Figure 6.2.20 Package Report.....	34
Figure 6.2.21 Khan sir's Report.....	35
Figure 6.2.22 Placed Report.....	35

CHAPTER 1

Chapter 1

Introduction

SAKEC Online Training & Placement (OTaP) System is an online application that can be accessed with proper login provided. The system has currently been setup with a few essential requirements. The current functionalities offered by the system involve a great deal of manual work to be performed by the placement coordinators & the webmaster. The Aim of this project is to automate the tasks as much as possible. The project also focuses at overhauling the GUI making it more user friendly, usage of graphical elements to convey information more precisely. It also aims at adding additional functionalities which are necessary or improve the overall experience of the end user which may also include refining the current functionalities.

1.1. Objective

The objective of this project is to refine the existing system and automate various modules of the system mostly importantly report generation system. Make extensive use of GUI to deliver more accurate information that the user requires. Make the portal as user friendly as possible.

1.2. Organization report

The report starts with introduction of our system, which gives an overview of users and their functions. The literature survey chapter covers the details of existing system. The problem statement describes the project in brief. The System requirement chapter shows the functional and nonfunctional requirement of the system. The project design chapter includes all the necessary diagrams and descriptions required for basic understanding of the system. The implementation details part includes all the snapshots of the use interface and database schema. Testing and result analysis are covered in the next chapters. At last references part lists the links and papers used during the development of process.

CHAPTER 2

Chapter 2

Literature Survey

We have used **SAKEC CBGS System** as a reference and created additional functionalities in it. **SAKEC CBGS System** is a website which helps students to participate in different placement activities being conducted in the college. The technologies used in the website are PHP, HTML, JavaScript and MySQL. This website consists of three major modules Student module, Admin module and the Guest module. **Student module:** Students are provided with their respective login credentials for accessing their profiles. Students are provided with an inbox where they receive mails from admin regarding placement activities.

Admin module: Admin members consist of the placement team of the college and also the webmaster. They are also provided with their respective login credentials. There is a mailing system which includes compose mail, inbox, send mail. Inbox is where they receive mails from companies as well as students. The important part of this module is where list of all the eligible students are generated according to the eligibility criteria of the companies.

Guest module: Guest include the companies which are interested for recruiting students from our college. So, guest registration will help the companies to know about the eligible students according to the criteria they provide so that they can get an idea about the students.

Database: The tables used are

- **hscmarks:** It stores all the academic information of HSC student such as marks of all the academic years.
- **dipmarks:** It stores all the academic information of diploma student such as marks of all the academic years.
- **student_details:** It stores all the information of all the students such as college registration number, smartcard number, personal details etc.
- **user:** It stores the details of final year students such as registration number, student name, smartcard number, password.
- **message:** It contains information about the mail.
- **message_list:** It contains information about the students to whom the message has been sent.
- **admin:** It stores the details of admin such as username password.
- **guest:** It contains details of guest username & password.
- **chat:** It contains details of the queries asked by the students.
- **company:** It contains details of registered companies, who have come for the campus recruitment drive.

Modules in this system are:

❖ **Student Module**

- Inbox
- Profile
- Academic profile
- Placement Report
- Change Password
- Resume builder
- Help
- Logout

❖ **Admin Module**

- Search
- Company student details
- Edit student details
- Company registration
- Message
- Guest registration
- Defaulter
- Report generation
- Message Board
- Profile
- Compose message
- Logout

❖ **Guest Module**

- Guest registration

Issues and bugs.

This academic year the SAKEC CBGS SYSTEM was deployed online. During its course of use many issues and bugs came into light.

- Data Validation issues.
- Incomplete form acceptance
- Improper redirects in case of incomplete forms.
- Inability to select few students while sending a mail.
- Inability to mail attachments with the mail.
- No front-end function to edit erroneous student details for the admins.
- Non-functional Resume Builder.
- Various bugs in search system.

CHAPTER 3

Chapter 3

Problem Statement

In SAKEC Online Training & Placement (OTAP) system there are three users namely students, admin and guest. The students are provided with unique login id from which they can access their account. The students have to fill up their personal as well as academic profiles. Whenever the companies send details for the recruitment process the webmaster adds the company into the database and sends the registration link to the eligible students via mail in their account. The students register on that link. The placement team keeps a record of eligible students, who all have registered in the companies, who all are placed and generates list.

CHAPTER 4

Chapter 4

System Requirements

4.1. Functional Requirements

The Placement System utilizes information from the college database and scrutinizes the students according to the eligibility criteria for the campus placements. The main aim of this project is to remove all the bugs and issues present in the current system and to add new features in order to help the students and also the admins to automate most of the processes in the placement process.

The Online Training & Placement (OTAP) system is accessible inside as well as outside the organization using internet.

4.2. Hardware and Software Requirements

4.2.1. Hardware Requirements

- 1024 MB RAM.
- 500 GB Hard disk

4.2.2. Software Requirements

- Frontend Software: HTML, CSS, JAVASCRIPT, BOOTSTRAP
- Backend Software: PHP, SQL
- Windows XP, Windows 7, Windows 8, IOS
- Browsers which supports ASP.NET, HTML, JavaScript
- Working internet connection.
- Internet browser.

4.2.3. Safety Requirements

Information transmission should be securely transmitted to server without any changes in information.

Nobody should be allowed to tamper with data; Enhanced Security for sensitive data. It should be made sure that only users who are given specific rights can access data and all actions are logged, thus providing an extensive role based authorization. Here, in our system we have provided login credential for all users so that an unauthorized cannot gain access to our system. All search functions are protected from SQL injection.

CHAPTER 5

Chapter 5

Project Design

5.1. System Block Diagram

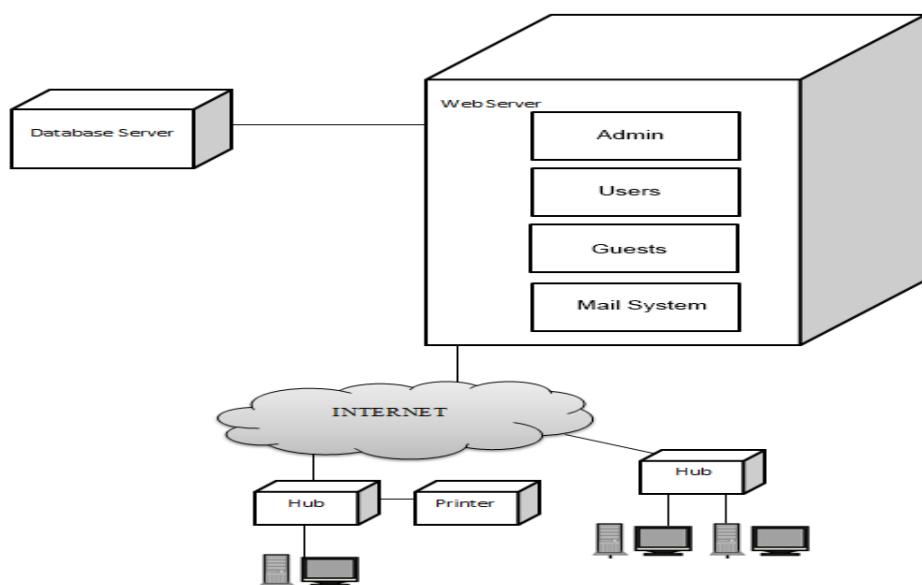


Figure 5.1.1 System Block Diagram for SAKEC Online Training & Placement (OTaP) system

5.1.2. Usecase Diagram

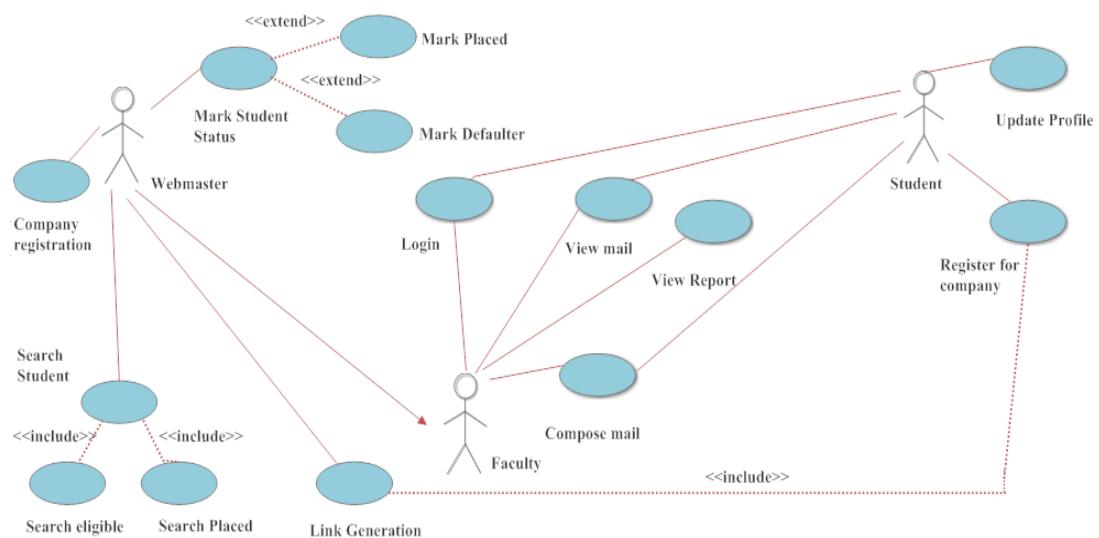


Figure 5.1.2 Usecase Diagram for SAKEC Online Training & Placement (OTaP) System

5.1.3. Database Schema

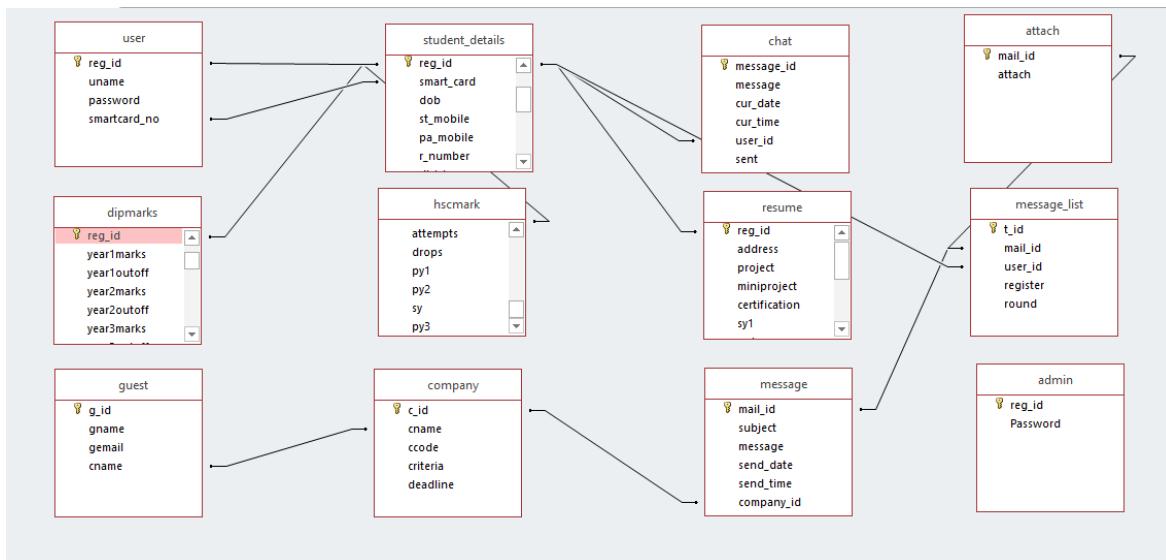


Figure 5.1.3 Database Schema for SAKEC Online Training & Placement (OTaP) System

5.1.4. Module Diagram

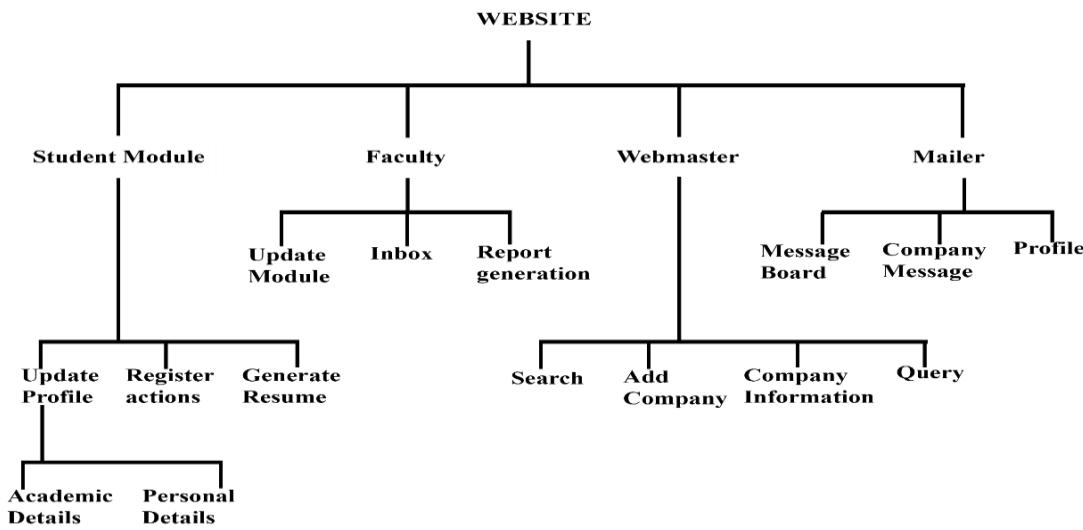


Figure 5.1.4 Module Diagram for SAKEC Online Training and Placement(OTaP) System

5.2. Flow chart

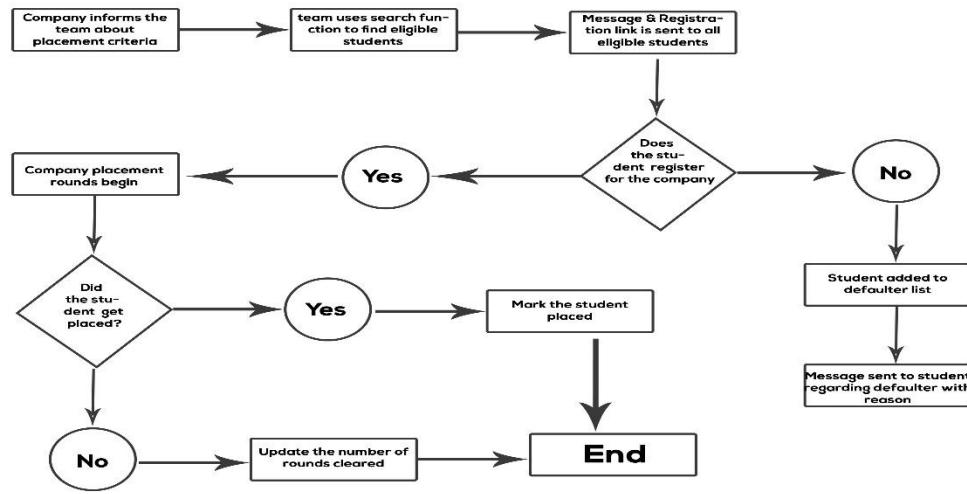


Figure 5.2.1 Flow Chart for SAKEC Online Training and Placement (OTaP) System

CHAPTER 6

Chapter 6

Implementation details

6.1. Module & Descriptions

The intended audience of this document includes:

- Student
- Admin
- Guest

6.1.1. Student Module:

The students are provided with their login credentials to access their profiles. The role of the student is to fill in the personal details and academic details form. Also, they are supposed to register for the companies they are eligible for, on the link provided to them via mails.

Different modules of Student module are:

- **Inbox**: Here students are able to check their mails which they receive from the faculty members and webmaster regarding the placement activities.

- **Profile:** Here students are able to fill their personal details.
- Academic Profile: Here students are able to fill their academic details i.e. marks of every year
- **Placement Report:** Here students are able to view previous placement records i.e. which all companies recruited how many students.
- **Help:** It is a guideline book which helps students to fill their personal and academic profiles.
- **Change Password:** Students can change their password anytime over here.
- **Logout:** It helps to logout successfully.

6.1.2. Admin Module

Admin is the medium of communication between the students and faculty. He/she handles the entire system. Faculty gives instruction to webmaster about the companies and the eligibility criteria. He/she sorts the students according to the criteria and creates a registration link for the respective company and sends the link to the eligible students. Also, admins are provided with a particular login credential. He/she needs to fill the profile.

Different modules of Admin are:

- Search: Here, filtering of students is done according to the eligibility criteria of the company. Also, the list of the same can be generated and mail can be sent to them informing about any placement activity.
- Company registration: Here, the webmaster is able to add company to the database.
- CRP: A link of respective company is generated and sent to the eligible students for registrations.
- Report generation: The reports of the students who are placed, students who opt for higher studies & reports of the company's details are generated.
- Logout: It helps to logout successfully.

6.1.3. Guest Module

Guest section is especially made to cater to the requirements of various companies & corporation. Companies which wish to access student details before recruitment can apply the same using this module.

6.2. Snapshots

➤ Student Module

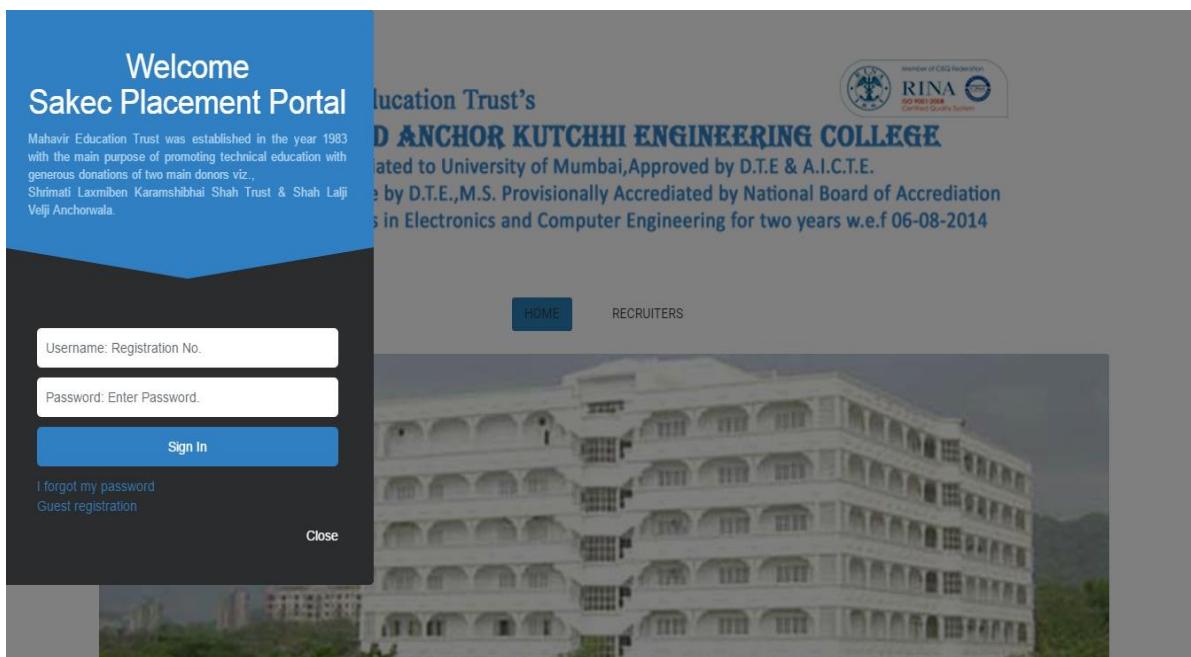


Figure 6.2.1 Student Module

Here the student enters his valid username and password and logs into the SAKEC Placement Portal. Also, if the student forgets his/her password then there is a provision to set a new password through “I forgot my password” tab. The student will be asked for his Registration number, his Smart Card number and then they will be able to set the new password.

Chapter 6: Implementation details

- **Inbox**

The screenshot shows a sidebar titled "MAIN NAVIGATION" with links for Home, Personal Details, Academic Details, Resume Builder, Placement help, Support, Change password, and Logout. To the right is a list of notifications:

- AMDOCS REPORTING TIME - ALL REGISTERED STUDENTS HAVE TO COME FOR ONLINE TEST ON 29-03-2017 REPORTING TIME IS 10:00 AM.... (28 Mar , 2017)
- AMDOCS CRP REGISTRATION - CRITERIA 10th & 12th / Diploma - 60% and above CGPI - 6.76 and above Live KT not allo... (22 Mar , 2017)
- 7th semester marks update - All comp and IT students have to come for updating 7th semester marks. Lab No: 612 (Computer... (21 Mar , 2017)
- 7th semester marks update - All comp and IT students have to come for updating 7th semester marks tomorrow. Lab No: 612 ... (21 Mar , 2017)
- GE CRP - All the GE registered students are hereby informed that Online Test is scheduled on 7th March,2017.<... (05 Mar , 2017)
- CAMPUS RECRUITMENT OF MPHASIS - only for interested candidate ("Not Compulsory") No Criteria, All branch, Not Dream (27 Feb , 2017)
- GE CRP REGISTRATION - Register for GE criteria degree cgpi 6 and above KTs allowed drop allowed (20 Feb , 2017)
- L&T SEMINAR - Dear Student, L&T Infotech would like to have an interaction with all our hires... (10 Feb , 2017)
- Jio Registration - RELIANCE_JIO is going to visit our campus. (12 Jan , 2017)
- Company Name : RELIANCE_JIO
- C...

Figure 6.2.2 Inbox

Students receive mails in their respective inbox from the faculty members as well as webmaster regarding placement activities.

- **Profile**

The screenshot shows a sidebar titled "MAIN NAVIGATION" with links for Home, Personal Details, Academic Details, Resume Builder, Placement help, Support, Change password, and Logout. To the right is a "Profile" form:

Student name	ISHAN PAREKH	Registration id	10684
Fathers name	SAMIR PAREKH	Smartcard Number	M2013CM1037
Mothers name	PREETI PAREKH	Branch	comp
Date of Birth	1995-12-03	Division	4
Students Contact	8452822332	Roll number	45
Parents Contact	9833299776	Gender	male
Alternate Emailid	ishanparekh31295@gmail.com	Placement Emailid	ishanparekh2017@gmail.com

Update

Copyright © 2015-2016 Shah And Anchor Kutchhi Engineering College. All rights reserved.

Figure 6.2.3 Profile

Students can update their profile here. Personal details (name, father's name, and mother's name, date of birth, contact details and email addresses) can be altered or updated here.

- Academic Profile

The screenshot shows the 'Academic Profile' section of the CampusRecruit platform. The left sidebar contains a user profile picture and the name 'ISHAN PAREKH SAMIR' with an 'Online' status, along with navigation links for Home, Personal Details, Academic Details, Resume Builder, Placement help, Support, Change password, and Logout.

The main content area is divided into several sections:

- SSC:** Marks obtained: 460, Out off marks: 500, SSC percentage: 92.
- HSC:** Marks obtained: 406, Out off marks: 600, HSC percentage: 67.67.
- DEGREE:** C*G scale. Data for SEM1, SEM2, and SEM3 is shown:

SEM	Marks	Grade
SEM1	182	27
SEM2	195	27
SEM3	184	28
- DEGREE:** C*G scale. Data for SEM1 through SEM8 and TOTAL is shown:

SEM	Marks	Grade
SEM1	182	27
SEM2	195	27
SEM3	184	28
SEM4	186	28
SEM5	165	24
SEM6	186	24
SEM7	190	25
SEM8	0	0
TOTAL	1288	183

 Other fields include Pointer (7.04), SSC Passing year (2011), HSC Passing year (2013), Degree Starting year (2013), Degree Passing year (2017), and Degree Progression (0%).
- DETAILS:** Live KT (0), Dead KT (0), Attempts (0), and Drop (0).

At the bottom, a copyright notice reads: Copyright © 2015-2016 Shah And Anchor Kutchhi Engineering College, All rights reserved.

Figure 6.2.4 Academic Profile

Students can fill their academic details here. Once the details have been filled, the students will not be able to edit their details.

- **Change Password**

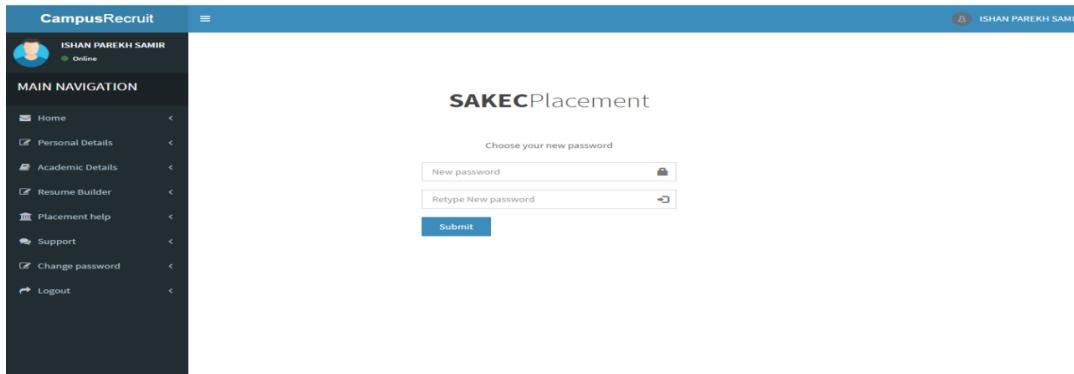


Figure 6.2.5 Change Password

Students can change their password anytime they want through this option.

- **Support**

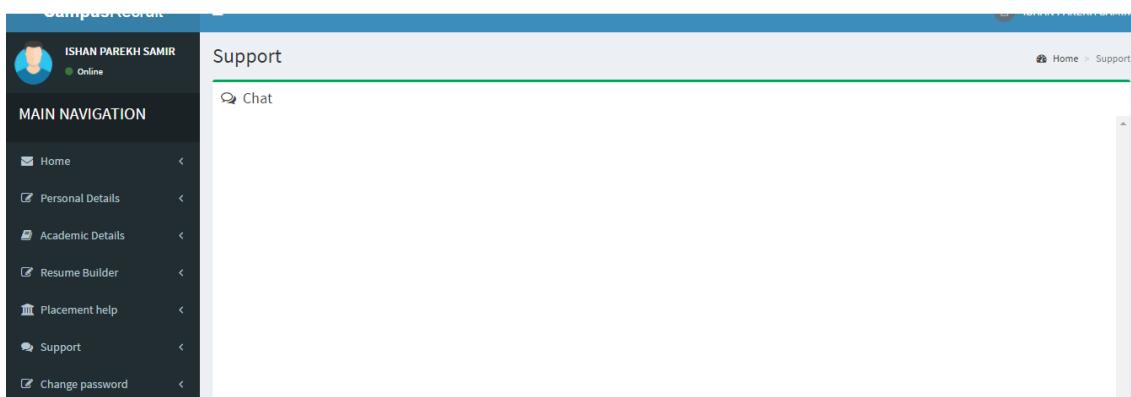


Figure 6.2.6 Support

Students can ask Doubts to the placement team. This is an online chat system that the students can utilize in order to solve their queries related to a particular company or to solve some other issues related to their profiles or CRP.

- **Placement help**

The screenshot shows the CampusRecruit platform interface. On the left, there's a sidebar with a user profile picture and the name 'ISHAN PAREKH SAMIR' with an 'Online' status. Below it is the 'MAIN NAVIGATION' menu with links for Home, Personal Details, Academic Details, Resume Builder, Placement help, and Support. The main content area has a header 'Companies' and a sub-header 'List Of Companies'. A dropdown menu is open, showing 'Tata Consultancy Services(TCS)' as the selected item. Other companies listed include Larsen And Turbo(L&T), MuSigma, Directl, GEP, Vistaar, and Igate(Capgemini). To the right of the list, there's a detailed description of Tata Consultancy Services (TCS), mentioning it as a global leader in IT services, digital, and business solutions. It highlights their commitment to clients, industry expertise, and recognition as one of the Big 4 Global IT Services Brands. Below this, there's a 'Company Link:TCS' and a 'Placement Process:' section listing '1. Aptitude Test' and '2. Technical Interview and HR Interview'. There are also 'References for tcs placement papers:' with links to '1.CampusGate' and '2.Indiabix Placement Papers'. At the top right of the main content area, there are navigation links for 'Home' and 'Mailbox'.

Figure 6.2.7 Placement help

Students can view the details of companies that visit our college for the Campus Recruitment Program. From here the students can prepare for the Campus Recruitment Program through the various links provided for the aptitude tests and the interviews.

- **Resume builder**

The screenshot shows the 'Resume builder' feature on the CampusRecruit platform. The left side features a large dark vertical bar. The main content area contains several input fields and dropdown menus:

- 'Publications' field (empty)
- 'Permanent Address' field containing 'C-35, GUJARATI SOCIETY, NEHRU ROAD, VILE PARLE (EAST), MUMBAI 400057.'
- 'Technical Skills' field containing 'C++ Java'
- 'Certifications if any' field containing 'CSI-SAKEC STUDENT REPRESENTATIVE (2016-2017)'
- 'Formatting option' section with a dropdown menu showing 'Select a Template' with 'Simple' selected (highlighted in blue), 'Classic', and 'Modern' options below it.
- 'Resume Format' dropdown menu showing 'Simple' selected.
- 'Font Type' dropdown menu showing 'Times New Roman' selected.

At the bottom left, there's a 'Generate' button. At the very bottom of the page, there's a copyright notice: 'Copyright © 2015-2016 Shah And Anchor Kutchhi Engineering College. All rights reserved.'

ISHAN PAREKH

Contact info Address C-35, GUJARATI SOCIETY, NEHRU ROAD, VILE PARLE (EAST), MUMBAI 400057.	Contact number 8452822332	Email id ISHANPAREKH31295@GMAIL.COM	 Photo
			Print
Education Bachelor in Computer Engineering Overall aggregate 7.04 SHAH AND ANCHOR KUTCHHI ENGINEERING COLLEGE		2013 - 2017	
HSC Overall aggregate 67.67 ACHARYA AMBALAL V.PATEL JUNIOR COLLEGE		2011 - 2013	

Figure 6.2.8 Resume builder

A new Automated Resume Builder was added. This resume fetches data from the system database. It offers total of 9 styles of resumes. This will help the students in creating their resumes from the portal's available resume templates rather than manually creating them on word files. This will save a lot of time and energy.

➤ Admin Module

- **Search**

CampusRecruit

MAIN NAVIGATION

- [Search](#)
- [Company Student Details](#)
- [Company](#)
- [Edit Student Details](#)
- [Message](#)
- [Guest registration](#)
- [Defaulter](#)
- [Report generation](#)
- [Logout](#)

Search

Criteria

Student name	<input type="text" value="name"/>						
Branch	<input checked="" type="checkbox"/> Electronics	<input checked="" type="checkbox"/> Computer	<input checked="" type="checkbox"/> IT	<input checked="" type="checkbox"/> EXTC			
Type	<input checked="" type="checkbox"/> HSC <input checked="" type="checkbox"/> Diploma						
SSC Percentage (≥)	<input type="text" value="0"/>			HSC Percentage (≥)	<input type="text" value="0"/>		
Degree CGPI (≥)	<input type="text" value="0"/>		<input type="text" value="10"/>	Diploma Percentage (≥)	<input type="text" value="0"/>		<input type="text" value="10"/>
Sem 3 Onwards CGPI (≥)	<input type="text" value="0"/>		<input type="text" value="10"/>	Drops	<input type="text" value="0"/>		<input type="text" value="10"/>
Live KT (≤)	<input type="text" value="0"/>			Dead KT (≤)	<input type="text" value="0"/>		
No Of Attempts(≤)	<input type="text" value="0"/>						
IS Placed	<input type="radio"/> Not Placed <input type="radio"/> Placed <input type="radio"/> Any						
IS Defaulter	<input type="radio"/> yes <input type="radio"/> no						
<input type="checkbox"/> Kt's Not Applicable							

Figure 6.2.9 Search

Here list of students is generated according to the eligibility criteria. Also, a list of placed and defaulter students can be generated with respect to the company. When a certain company visits the college for Campus Recruitment Program, the admin can set the parameters as specified by the company to generate a list of potential students that are eligible to sit for the various placement rounds of that particular company. Moreover, parameters can also be set for students who are already placed and students who are not.

- **Company registration**

The screenshot shows the 'Company Registration' page of the 'CampusRecruit' application. On the left, there is a dark sidebar with the title 'CampusRecruit' and an 'Online' status indicator. Below it is the 'MAIN NAVIGATION' menu with the following items: Search, Company Student Details, Company (selected), Company Registration, Company Reports Info, Edit Student Details, Message, Guest registration, Defaulter, Report generation, and Logout. The main content area has a light blue header 'Company Registration'. It contains four input fields: 'Company Name' (with placeholder 'Company Name'), 'Company Code' (empty), 'Rounds' (empty), and 'Deadline Date' (with placeholder 'dd----yyyy'). In the bottom right corner of the content area is a blue 'Register' button. At the very bottom of the page, there is a small copyright notice: 'Copyright © 2015-2016 Shah And Anchor Kutchhi Engineering College. All rights reserved.'

Figure 6.2.10 Company registration

Whenever a company comes for the Campus Recruitment Program, the admin registers the company from this module. After this registration, while sending a mail to the students regarding the company recruitment program, the admin selects the registered company in the “Company Registration” tab and then sends the mail to all the eligible students. The admin also sets a deadline date up to which the eligible students can register for a particular company.

- CRP

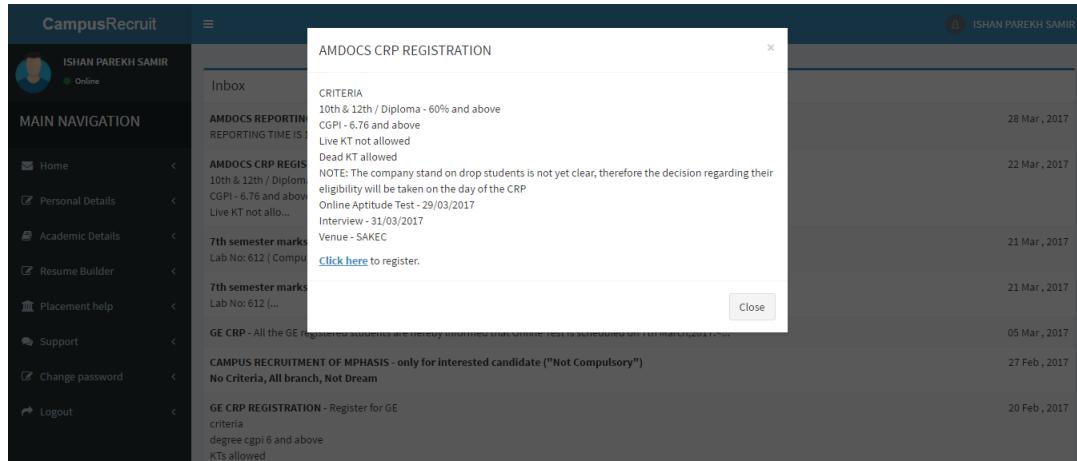


Figure 6.2.11 CRP

Registration link is generated. The students then register on the generated link and their registration is noted in the database. The students will be able to register themselves for The CRP drive only for certain duration of time, as set by the admin.

Student list														
		<input type="button" value="Copy"/>	<input type="button" value="CSV"/>	<input type="button" value="Excel"/>	<input type="button" value="PDF"/>	<input type="button" value="Print"/>	Search: <input type="text"/>							
		Sr no.	reg_id	name	degree pointer	hsc/diploma	ssc	Student_mobile	division	roll no	type	placed		
<input checked="" type="checkbox"/>	1	10189	RAHUL SAWASIYA	6.78	81.5	89.82	9833614153	2	40	hsc				
<input checked="" type="checkbox"/>	2	10751	VARUN KURUP	7.39	70.33	79.4	9869410733	2	67	hsc				
<input checked="" type="checkbox"/>	3	10754	MRUDULA JADHAV	7.99	62.33	88.55	8879465198	1	43	hsc				
<input checked="" type="checkbox"/>	4	10823	JANAK PANCHAL	6.66	60.17	77.45	9769820404	1	65	hsc				
<input checked="" type="checkbox"/>	5	10898	DIPTI GAWDE	6.52	69.33	89.45	9892507391	1	38	hsc				
<input checked="" type="checkbox"/>	6	10908	VISHAKHA MANDAVKAR	8.93	82.17	91.45	8898690742	1	58	hsc				
<input checked="" type="checkbox"/>	7	10911	PRAGNESH JADHAV	7.44	67.5	95.45	9768414311	1	44	hsc				
<input checked="" type="checkbox"/>	8	10915	TUSHAR PATIL	6.51	67.17	88.55	9987620961	1	70	hsc				
<input checked="" type="checkbox"/>	9	10948	SANKET MIYANI	6.55	67.83	83.82	9594000072	1	61	hsc				

After setting the required parameters, a list of eligible students is generated. The admin can search for a particular student through the search tab and can select or deselect a student with the help of checkboxes on the left of the screen.

- **Message**

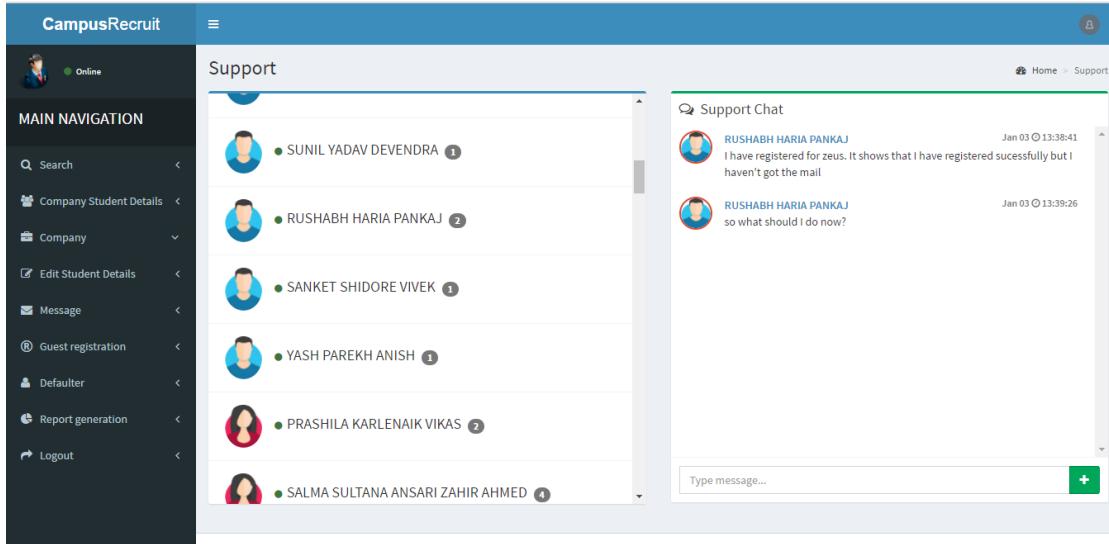


Figure 6.2.12 Message

The admin can answer to the queries of the students through the “Message” module. The students send in their queries through the support tab of the student module. The admin answers all the student’s queries through the message tab of the admin module. The queries and their solution, both carry a timestamp.

- **Send Mail**

Sr no.	reg_id	name	degree pointer	hsc/diploma	ssc	Student_mobile	division	roll no	type	placed
1	10189	RAHUL SAWASIYA	6.78	81.5	89.82	9833614153	2	40	hsc	
2	10751	VARUN KURUP	7.39	70.33	79.4	9869410733	2	67	hsc	
3	10754	MHUDULA JADHAV	7.99	62.33	88.55	8879465198	1	43	hsc	
4	10823	JANAK PANCHAL	6.66	60.17	77.45	9769820404	1	65	hsc	
5	10898	DIPTI GAWDE	6.52	69.33	89.45	9892507391	1	38	hsc	
6	10908	VISHAKHA MANDAVKAR	8.93	82.17	91.45	8898690742	1	58	hsc	
7	10911	PRAGNESH JADHAV	7.44	67.5	95.45	9768414311	1	44	hsc	

Figure 6.2.13 Sent Mail

After the list of eligible students has been generated, the admin will send the mail those eligible students regarding a particular company's Campus Recruitment Program. The students will then register for a particular company from the student module.

The screenshot shows a web-based application interface for company registration. At the top, it says "Showing 1 to 10 of 168 entries" with a page navigation bar from "Previous" to "Next". Below this, there are several input fields:

- A blue button labeled "Select None" next to a "Subject" input field.
- A dropdown menu titled "Company Registration" showing "Amdocs_2017 (Amdocs_2017)".
- A large text area labeled "Message" which is currently empty.
- A file upload section labeled "File" with a "Choose File" button and a message "No file chosen".
- At the bottom are two buttons: a green "Send" button and a blue "Save List" button.

Copyright © 2015-2016 Shah And Anchor Kutchhi Engineering College. All rights reserved.

- **Registration for Company CRP**

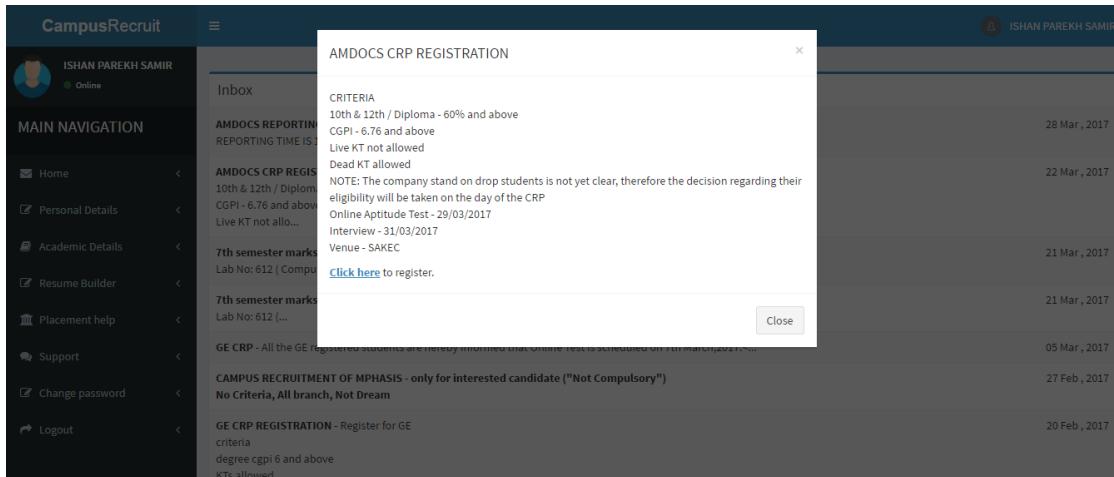
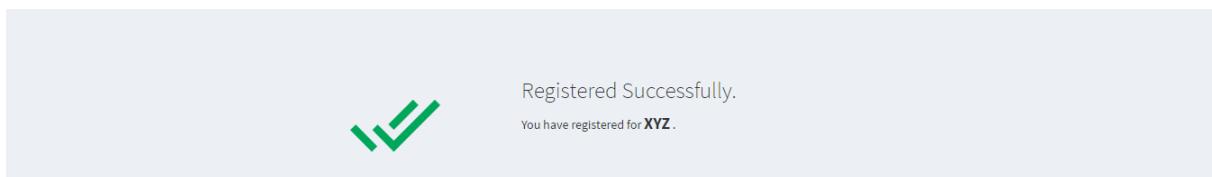


Figure 6.2.14 Registration for Company CRP

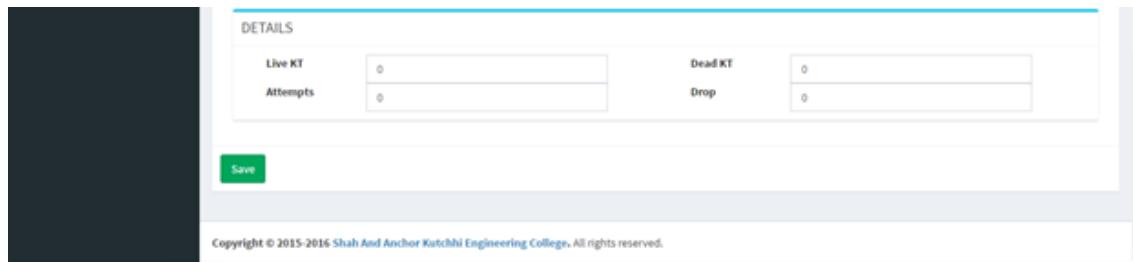
Sample Registration mail. The students click on “Click here to register” tab to register for the concerned company.



After registering for a particular company, the student is directed to the above page where his/her registration is confirmed.

- **Edit Student details**

MAIN NAVIGATION <ul style="list-style-type: none"> Search Company Student Details Company Edit Student Details Message Guest registration Defaulter Report generation Logout 	<div style="background-color: #f0f0f0; padding: 5px; border-bottom: 1px solid #ccc;"> JINAL SHAH TUSHAR (10649) </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> Profile <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Student name</td> <td>JINAL SHAH</td> <td style="width: 50%;">Registration id</td> <td>10649</td> </tr> <tr> <td>Fathers name</td> <td>TUSHAR SHAH</td> <td>Smartcard Number</td> <td>M2013CM1018</td> </tr> <tr> <td>Mothers name</td> <td>LEENA SHAH</td> <td>Branch</td> <td>comp</td> </tr> <tr> <td>Date of Birth</td> <td>1995-11-01</td> <td>Division</td> <td>4</td> </tr> <tr> <td>Students Contact</td> <td>9022308063</td> <td>Roll number</td> <td>62</td> </tr> <tr> <td>Parents Contact</td> <td>9773495157</td> <td>Gender</td> <td>female</td> </tr> <tr> <td>Alternate Emailid</td> <td>jinal.t.shah@gmail.com</td> <td>Placement Emailid</td> <td>jinalshah2017@gmail.com</td> </tr> </table> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> SSC <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Marks obtained</td> <td>490</td> <td style="width: 50%;">Out off marks</td> <td>550</td> </tr> <tr> <td>SSC percentage</td> <td>89.09</td> <td></td> <td></td> </tr> </table> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> HSC <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Marks obtained</td> <td>395</td> <td style="width: 50%;">Out off marks</td> <td>600</td> </tr> <tr> <td>HSC percentage</td> <td>65.83</td> <td></td> <td></td> </tr> </table> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> DEGREE <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">SEM1</th> <th>203</th> </tr> </thead> <tbody> <tr><td>SEM2</td><td>211</td></tr> <tr><td>SEM3</td><td>206</td></tr> <tr><td>SEM4</td><td>205</td></tr> <tr><td>SEMS</td><td>187</td></tr> <tr><td>SEM6</td><td>192</td></tr> <tr><td>SEM7</td><td>205</td></tr> <tr><td>SEM8</td><td>0</td></tr> <tr><td>TOTAL</td><td>1409</td></tr> <tr><td>POINTER</td><td>7.7</td></tr> <tr><td>HSC Passing year</td><td>2013</td></tr> <tr><td>Degree Passing year</td><td>2017</td></tr> </tbody> </table> </td> <td style="width: 50%; vertical-align: top;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">C*</th> <th style="text-align: center;">G</th> </tr> </thead> <tbody> <tr><td>27</td><td></td></tr> <tr><td>27</td><td></td></tr> <tr><td>28</td><td></td></tr> <tr><td>28</td><td></td></tr> <tr><td>24</td><td></td></tr> <tr><td>24</td><td></td></tr> <tr><td>25</td><td></td></tr> <tr><td>0</td><td></td></tr> <tr><td>183</td><td></td></tr> <tr><td>2011</td><td></td></tr> <tr><td>2013</td><td></td></tr> </tbody> </table> </td> </tr> </table> </div>	Student name	JINAL SHAH	Registration id	10649	Fathers name	TUSHAR SHAH	Smartcard Number	M2013CM1018	Mothers name	LEENA SHAH	Branch	comp	Date of Birth	1995-11-01	Division	4	Students Contact	9022308063	Roll number	62	Parents Contact	9773495157	Gender	female	Alternate Emailid	jinal.t.shah@gmail.com	Placement Emailid	jinalshah2017@gmail.com	Marks obtained	490	Out off marks	550	SSC percentage	89.09			Marks obtained	395	Out off marks	600	HSC percentage	65.83			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">SEM1</th> <th>203</th> </tr> </thead> <tbody> <tr><td>SEM2</td><td>211</td></tr> <tr><td>SEM3</td><td>206</td></tr> <tr><td>SEM4</td><td>205</td></tr> <tr><td>SEMS</td><td>187</td></tr> <tr><td>SEM6</td><td>192</td></tr> <tr><td>SEM7</td><td>205</td></tr> <tr><td>SEM8</td><td>0</td></tr> <tr><td>TOTAL</td><td>1409</td></tr> <tr><td>POINTER</td><td>7.7</td></tr> <tr><td>HSC Passing year</td><td>2013</td></tr> <tr><td>Degree Passing year</td><td>2017</td></tr> </tbody> </table>	SEM1	203	SEM2	211	SEM3	206	SEM4	205	SEMS	187	SEM6	192	SEM7	205	SEM8	0	TOTAL	1409	POINTER	7.7	HSC Passing year	2013	Degree Passing year	2017	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">C*</th> <th style="text-align: center;">G</th> </tr> </thead> <tbody> <tr><td>27</td><td></td></tr> <tr><td>27</td><td></td></tr> <tr><td>28</td><td></td></tr> <tr><td>28</td><td></td></tr> <tr><td>24</td><td></td></tr> <tr><td>24</td><td></td></tr> <tr><td>25</td><td></td></tr> <tr><td>0</td><td></td></tr> <tr><td>183</td><td></td></tr> <tr><td>2011</td><td></td></tr> <tr><td>2013</td><td></td></tr> </tbody> </table>	C*	G	27		27		28		28		24		24		25		0		183		2011		2013	
Student name	JINAL SHAH	Registration id	10649																																																																																												
Fathers name	TUSHAR SHAH	Smartcard Number	M2013CM1018																																																																																												
Mothers name	LEENA SHAH	Branch	comp																																																																																												
Date of Birth	1995-11-01	Division	4																																																																																												
Students Contact	9022308063	Roll number	62																																																																																												
Parents Contact	9773495157	Gender	female																																																																																												
Alternate Emailid	jinal.t.shah@gmail.com	Placement Emailid	jinalshah2017@gmail.com																																																																																												
Marks obtained	490	Out off marks	550																																																																																												
SSC percentage	89.09																																																																																														
Marks obtained	395	Out off marks	600																																																																																												
HSC percentage	65.83																																																																																														
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">SEM1</th> <th>203</th> </tr> </thead> <tbody> <tr><td>SEM2</td><td>211</td></tr> <tr><td>SEM3</td><td>206</td></tr> <tr><td>SEM4</td><td>205</td></tr> <tr><td>SEMS</td><td>187</td></tr> <tr><td>SEM6</td><td>192</td></tr> <tr><td>SEM7</td><td>205</td></tr> <tr><td>SEM8</td><td>0</td></tr> <tr><td>TOTAL</td><td>1409</td></tr> <tr><td>POINTER</td><td>7.7</td></tr> <tr><td>HSC Passing year</td><td>2013</td></tr> <tr><td>Degree Passing year</td><td>2017</td></tr> </tbody> </table>	SEM1	203	SEM2	211	SEM3	206	SEM4	205	SEMS	187	SEM6	192	SEM7	205	SEM8	0	TOTAL	1409	POINTER	7.7	HSC Passing year	2013	Degree Passing year	2017	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">C*</th> <th style="text-align: center;">G</th> </tr> </thead> <tbody> <tr><td>27</td><td></td></tr> <tr><td>27</td><td></td></tr> <tr><td>28</td><td></td></tr> <tr><td>28</td><td></td></tr> <tr><td>24</td><td></td></tr> <tr><td>24</td><td></td></tr> <tr><td>25</td><td></td></tr> <tr><td>0</td><td></td></tr> <tr><td>183</td><td></td></tr> <tr><td>2011</td><td></td></tr> <tr><td>2013</td><td></td></tr> </tbody> </table>	C*	G	27		27		28		28		24		24		25		0		183		2011		2013																																															
SEM1	203																																																																																														
SEM2	211																																																																																														
SEM3	206																																																																																														
SEM4	205																																																																																														
SEMS	187																																																																																														
SEM6	192																																																																																														
SEM7	205																																																																																														
SEM8	0																																																																																														
TOTAL	1409																																																																																														
POINTER	7.7																																																																																														
HSC Passing year	2013																																																																																														
Degree Passing year	2017																																																																																														
C*	G																																																																																														
27																																																																																															
27																																																																																															
28																																																																																															
28																																																																																															
24																																																																																															
24																																																																																															
25																																																																																															
0																																																																																															
183																																																																																															
2011																																																																																															
2013																																																																																															



Copyright © 2015-2016 Shah And Anchor Kutchhi Engineering College. All rights reserved.

Figure 6.2.15 Edit student details

A new function was added so that admins can edit the wrong details entered by students. The admin can edit the personal as well as the academic details of the students in case of any wrong entry.

- **Report Generation**

6 different types of reports are generated in this module.

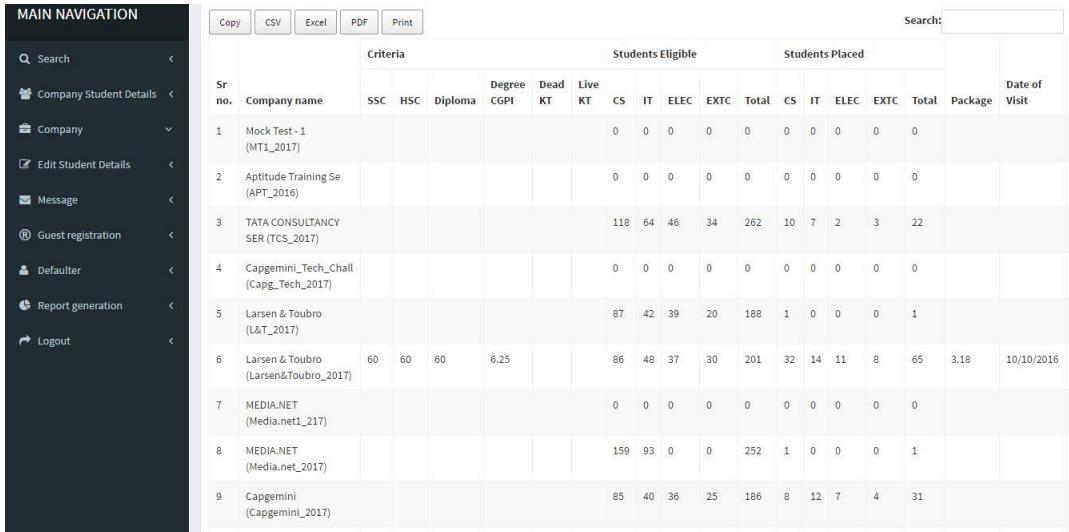
MAIN NAVIGATION		Copy	CSV	Excel	PDF	Print	Search:
<input type="button" value="Search"/>	<						
<input type="button" value="Company Student Details"/>	<						
<input type="button" value="Company"/>	▼						
<input type="button" value="Edit Student Details"/>	<						
<input type="button" value="Message"/>	<						
<input type="button" value="Guest registration"/>	<						
<input type="button" value="Defaulter"/>	<						
<input type="button" value="Report generation"/>	▼						
<input type="radio" value="Old Report"/>							
<input type="radio" value="Overall Report"/>							
<input type="radio" value="Selected Students"/>							
<input type="radio" value="Package Report"/>							
<input type="radio" value="Khan Report"/>							
<input type="radio" value="Placed Report"/>							
<input type="button" value="Logout"/>	<						

Sr no.	Company name	Total count	CS	IT	ELEC	EXTC	Round Info
1	Mock Test - 1 (MT1_2017)	0	0	0	0	0	Round 1:0
2	Aptitude Training Se (APT_2016)	0	0	0	0	0	Round 1:0
3	TATA CONSULTANCY SER (TCS_2017)	262	118	64	46	34	Round 1:262 Round 2:45 Round 3:22
4	Capgemini_Tech_Chall (Capg_Tech_2017)	0	0	0	0	0	Round 1:0
5	Larsen & Toubro (L&T_2017)	188	87	42	39	20	Round 1:188 Round 2:1 Round 3:1
6	Larsen & Toubro (Larsen&Toubro_2017)	201	86	48	37	30	Round 1:201 Round 2:100 Round 3:65
7	MEDIA.NET (Media.net1_217)	0	0	0	0	0	Round 1:0 Round 2:0
8	MEDIA.NET (Media.net_2017)	252	159	93	0	0	Round 1:252 Round 2:1
9	Capgemini (Capgemini_2017)	186	85	40	36	25	Round 1:186 Round 2:47 Round 3:32

Figure 6.2.16 Report

Chapter 6: Implementation details

Old report-This report gives the distribution of eligible students branch wise for each company

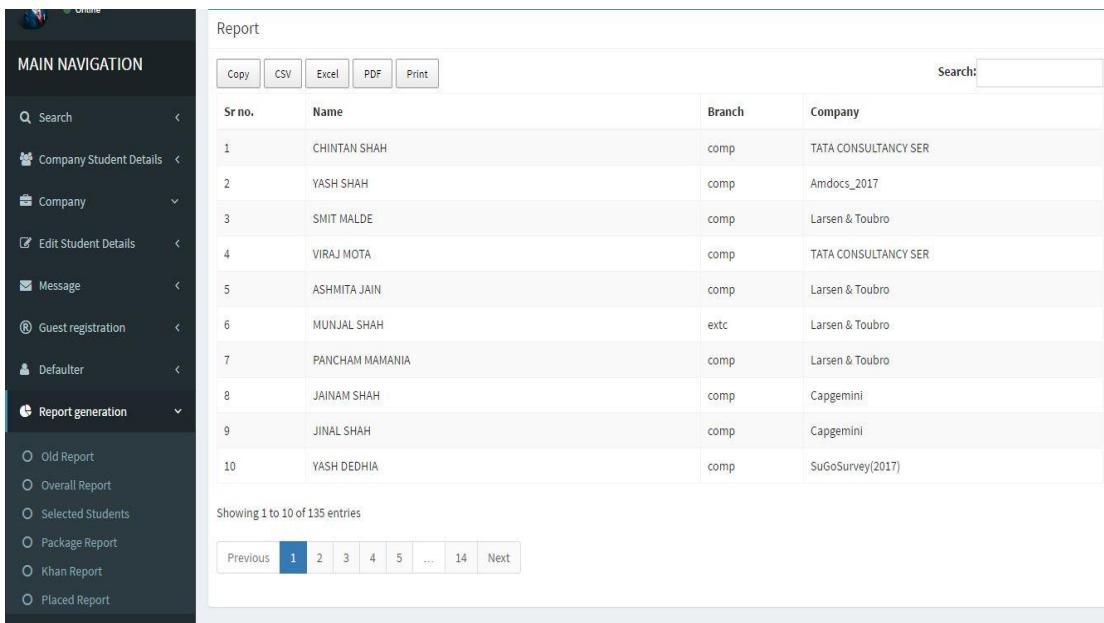


The screenshot shows a report titled "Criteria" with columns for "Students Eligible" and "Students Placed". The data is organized by company name, with specific counts for various academic streams (SSC, HSC, Diploma) and degree levels (Degree CGPI, Dead KT, Live KT). The report includes a search bar at the top and buttons for Copy, CSV, Excel, PDF, and Print.

Sr no.	Company name	Criteria			Students Eligible				Students Placed				Date of Visit				
		SSC	HSC	Diploma	Degree CGPI	Dead KT	Live KT	CS	IT	ELEC	EXTC	Total	CS	IT	ELEC	EXTC	Total
1	MockTest - 1 (MT1_2017)							0	0	0	0	0	0	0	0	0	0
2	Aptitude Training Se (APT_2016)							0	0	0	0	0	0	0	0	0	0
3	TATA CONSULTANCY SER (TCS_2017)							118	64	46	34	262	10	7	2	3	22
4	Capgemini_Tech_Chall (Capg_Tech_2017)							0	0	0	0	0	0	0	0	0	0
5	Larsen & Toubro (L&T_2017)							87	42	39	20	188	1	0	0	0	1
6	Larsen & Toubro (Larsen&Toubro_2017)	60	60	60	6.25			86	48	37	30	201	32	14	11	8	65
7	MEDIA.NET (Media.net1_217)							0	0	0	0	0	0	0	0	0	0
8	MEDIA.NET (Media.net_2017)							159	93	0	0	252	1	0	0	0	1
9	Capgemini (Capgemini_2017)							85	40	36	25	186	8	12	7	4	31

Figure 6.2.17 Old report

Overall report- It gives a generalized overview about the placement of that academic year of different companies.



The screenshot shows a report titled "Report" with columns for "Name", "Branch", and "Company". The data is organized by student name, with specific information about their placement branch and company. The report includes a search bar at the top and buttons for Copy, CSV, Excel, PDF, and Print.

Srno.	Name	Branch	Company
1	CHINTAN SHAH	comp	TATA CONSULTANCY SER
2	YASH SHAH	comp	Amdocs_2017
3	SMIT MALDE	comp	Larsen & Toubro
4	VIRAJ MOTA	comp	TATA CONSULTANCY SER
5	ASHMITA JAIN	comp	Larsen & Toubro
6	MUNJAL SHAH	extc	Larsen & Toubro
7	PANCHAM MAMANIA	comp	Larsen & Toubro
8	JAINAM SHAH	comp	Capgemini
9	JINAL SHAH	comp	Capgemini
10	YASH DEDHIA	comp	SuGoSurvey(2017)

Showing 1 to 10 of 135 entries

Previous 1 2 3 4 5 ... 14 Next

Figure 6.2.18 Overall report

Chapter 6: Implementation details

Selected Students report- It gives a report of all the students placed in different companies along with their branch.

Report		
Sr no.	Company name	Package
1	Mock Test-1 (MT1_2017)	
2	Aptitude Training Se (APT_2016)	
3	TATA CONSULTANCY SER (TCS_2017)	
4	Capgemini_Tech_Chall (Capg_Tech_2017)	
5	Larsen & Toubro (L&T_2017)	
6	Larsen & Toubro (Larsen&Toubro_2017)	3.18
7	MEDIA.NET (Media.net1_217)	
8	MEDIA.NET (Media.net_2017)	
9	Capgemini (Capgemini_2017)	
10	vistaar-2017 (vistaar)	3.3

figure 6.2.19 Selected Students report

Package report- It offers a list of companies along with their packages.

Report								
Sr no.	Company name	Students Eligible	CS	IT	ELEC	EXTC	Total	Package
1	Mock Test-1 (MT1_2017)	0	0	0	0	0	0	
2	Aptitude Training Se (APT_2016)	0	0	0	0	0	0	
3	TATA CONSULTANCY SER (TCS_2017)	262	10	7	2	3	22	
4	Capgemini_Tech_Chall (Capg_Tech_2017)	0	0	0	0	0	0	
5	Larsen & Toubro (L&T_2017)	188	1	0	0	0	1	
6	Larsen & Toubro (Larsen&Toubro_2017)	201	32	14	11	8	65	3.18
7	MEDIA.NET (Media.net1_217)	0	0	0	0	0	0	
8	MEDIA.NET (Media.net_2017)	252	1	0	0	0	1	
9	Capgemini (Capgemini_2017)	186	8	12	7	4	31	
10	vistaar-2017 (vistaar)	171	2	0	0	0	2	3.3

Figure 6.2.20 Package report

Chapter 6: Implementation details

Khan sir's report-This report has been made according to the specifications of the registrar of the college.

The screenshot shows a web-based reporting system. On the left is a dark sidebar menu titled 'MAIN NAVIGATION' with various options like 'Search', 'Company Student Details', 'Company', 'Edit Student Details', 'Message', 'Guest registration', 'Defaulter', 'Report generation', and 'Logout'. The main content area is titled 'Report' and contains a table of student placements. At the top of the table are buttons for 'Copy', 'CSV', 'Excel', 'PDF', and 'Print', followed by a search bar. The table has columns for 'Sr no.', 'Company name', and 'Students Placed'. The data in the table is as follows:

Sr no.	Company name	Students Placed
1	Mock Test - 1 (MT1_2017)	0
2	Aptitude Training Se (APT_2016)	0
3	TATA CONSULTANCY SER (TCS_2017)	22
4	Capgemini_Tech_Chall (Capg_Tech_2017)	0
5	Larsen & Toubro (L&T_2017)	1
6	Larsen & Toubro (Larsen&Toubro_2017)	65
7	MEDIA.NET (Media.net1_217)	0
8	MEDIA.NET (Media.net_2017)	1
9	Capgemini (Capgemini_2017)	31
10	vistaar-2017 (vistaar)	2

Showing 1 to 10 of 34 entries

Previous 1 2 3 4 Next

Figure 6.2.21 Khan sir's report

Placed report- It gives the count of the students placed in different companies.

The screenshot shows a web-based reporting system, identical to Figure 6.2.21, but with a different title. The sidebar and table structure are the same, displaying student placement data. The data in the table is as follows:

Sr no.	Company name	Students Placed
1	Mock Test - 1 (MT1_2017)	0
2	Aptitude Training Se (APT_2016)	0
3	TATA CONSULTANCY SER (TCS_2017)	22
4	Capgemini_Tech_Chall (Capg_Tech_2017)	0
5	Larsen & Toubro (L&T_2017)	1
6	Larsen & Toubro (Larsen&Toubro_2017)	65
7	MEDIA.NET (Media.net1_217)	0
8	MEDIA.NET (Media.net_2017)	1
9	Capgemini (Capgemini_2017)	31
10	vistaar-2017 (vistaar)	2

Showing 1 to 10 of 34 entries

Previous 1 2 3 4 Next

Figure 6.2.22 Placed report

CHAPTER 7

Chapter 7

Testing

A test case, in software engineering, is a set of conditions of variables under which the testing process will determine whether an application, software system or every one of its features is working as it was originally established for it to do. The mechanism for determining whether a software program or system has passed or failed such a test is known as a test oracle. It may take many test cases to determine that a software program or system is considered saliently scrutinized to be released. The testing process is an efficient way of ensuring all the processes are working efficiently and whether or not the project is ready for the public. The testing process helps in Test cases are often referred to as test scripts, particularly when written - when they are usually collected into test suites

Test case id_1

Priority: High.

Objective:

Sr no.	Input	Expected Output	Actual Output	Result
1	No Inputs	Invalid Login credentials	Invalid Login credentials	Pass
2	Non matching inputs for passwords	Passwords do not match	Passwords do not match	Pass
3	Numbers used in Student's name, Father's name and Mother's name	Numbers are not allowed in this field	Numbers are accepted	Data validation JQuery written and issue is fixed
4	Alphabets and characters are written in contact detail fields	Alphabets and characters are not allowed in this field	Alphabets and characters are accepted	Data validation JQuery written and issue is fixed
5	Invalid email address are written in Placement email id and Alternate email id	Invalid email id are not allowed in this field	Invalid email id are accepted	Data validation JQuery written and issue is fixed
6	Alphabets and characters are written in c*g & c detail fields	Only Numbers allowed in this field	Alphabets and characters are not accepted in c*g & c detail fields	Pass

Table no: 7.1 Testing for Registration

Test case id_2

Priority: High

Objective: To test login

Sr no.	Input	Expected Output	Actual Output	Result
1	Enter username and password	Login Successful	Login Successful	Pass
2	Enter wrong username and password	Invalid login details	Invalid login details	Pass

Table no: 7.2 Testing for Login

Test case id_3

Priority: Moderate

Objective: To test search functionality

Sr no.	Input	Expected Output	Actual Output	Result
1	Alphabets and characters are used in all fields	Only numbers are allowed in this field	Only numbers are allowed in this field	Pass
2	SSC % = 60 HSC % = 60 Degree >=6.76 Passing year=2017 Diploma % = 60 Drops=0 Is placed = No Is defaulter = No	64 entries found	64 entries found	Pass.

Table no: 7.3 Testing for search functionality

Test case id_4

Priority: Moderate

Objective: To test message service

Sr no.	Input	Expected Output	Actual Output	Result
1	Message containing Unicode characters	Message is delivered	Empty message is delivered	Message module was edited and issue is fixed
2	Defaulter reason is entered	Mail is sent along with reason	Empty message is sent	Defaulter module was edited and issue is fixed
3	Company registration mail is sent	Registration is successfully done.	Registration is successfully done.	Pass.

Table no: 7.4 Testing of Message service

CHAPTER 8

Chapter 8

Result and Analysis

8.1. Results

- **Data Validation:**

All the Registration forms are validated using JQuery. Thus, reducing error data entered by students.

- **Incomplete form scenario:**

Every login is checked whether the form is completely filled. Logins for incompletely filled forms are not allowed.

- **Redirects in case of incomplete forms:**

The system checks which form is incompletely filled and then redirects user to the same page in order to complete the form.

- **Inability to select few students while sending a mail:**

Checkbox functionality was added so students could be checked or unchecked.

- **Inability to mail attachments with the mail:**

Attachment functionality was added to mail system, so that sharing document was simple and easier.

- **Front-end function to edit erroneous student details for the admins:**

A new function was added so that admins can edit wrong details entered by students.

- **Resume Builder:**

A new Automated Resume Builder was added. This resume fetches data from the system database. It offers total of 9 styles of resumes. This will help the students.

- **Improved search system:**

Fixed miscellaneous bug fixes in search system in order to get accurate list of students.

- **Improved Defaulter's section:**

A reason section was added to defaulter making it easier for the admins to remember the reason why someone was put into defaulters.

- **Automated defaulter mail:**

Automated mail is sent to defaulters along with reason.

- **Our recruiters page:**

A dedicated page to mention the various companies that participate in CRP.

- **Automated Report generation:**

Report Generation: 6 different types of reports are generated in this module.

- Report 1: This report gives the distribution of eligible students branch wise for each company.
- Report 2: It gives a generalized overview about the placement of that academic year of different companies.
- Report 3: It gives a report of all the students placed in different companies along with their branch.
- Report 4: It offers a list of companies along with their packages.
- Report 5: This report has been made according to the specifications of the registrar of the college.
- Report 6: It gives the count of the students placed in different companies.

(There is a universal search function present in every report so the admin can search for specifics such as company name, student name, branch etc.)

8.2. Analysis

On analysis of the project we had interpretations regarding the ease of bridging the interface between the application and the user, provision of maximum facilities in user interface, various modules which by far have satisfied most of the test cases and the requirements. It provided the first opportunity to see what we have actually achieved and at this point, the use of individual separate login, resume builder, message system has prominently contributed to achieve the easy usage.

CHAPTER 9

Chapter 9

Conclusion and Future Scope

9.1. Conclusion

The system facilitates the students in registration and various other placement related activities. It helps the admins to carry out all the placement activities such as company registration, mailing, defaulter list, report generation etc. with ease and gives them access of information remotely.

9.2. Scope

- Push notifications via sms.
- Blog for juniors where they can review their senior's feedback about company and their placement process.
- Providing online aptitude and technical tests.

References

- [1] International Journal of Advanced Research in Computer Science and Software Engineering, An Interactive Online Training and Placement System, Volume 3, Issue 12, December 2013, pp. 505-511.
- [2] <http://www.shahandanchor.com/placements>
- [3] <http://www.offcampus.in>
- [4] <http://www.darshan.ac.in/DIET>
- [5] <https://sourceforge.net/projects/opensourcebirtrreportdesigner>

Acknowledgements

We take this opportunity to express our profound gratitude and deep regard to our guide Prof. Dhara Kalola, Department of Computer Engineering, Shah and Anchor Kutchhi Engineering College, for her exemplary guidance, monitoring and constant encouragement throughout the course of this thesis. She always bestowed parental care upon us and evinced keen interest in solving our problems. An erudite teacher, a magnificent person and a strict disciplinarian, we consider ourselves fortunate to have worked under her supervision.

We are also highly grateful to Dr. Nilakshi Jain, Department of Information Technology, Shah and Anchor Kutchhi Engineering College, for helping us with one of the most important module of our project.

We also thank our Prof. Uday Bhave, Head of Department of Computer Engineering, Shah and Anchor Kutchhi Engineering College, for his enormous support.

We admit thanks to Dr. Bhavesh Patel, Principal, & Dr. V.C Kotak, Vice Principal, Shah and Anchor Kutchhi Engineering College, for giving us such an opportunity to carry on such mind stimulating and innovative project.

We would like to express our sincere thanks towards teaching as well as the non-teaching staff members who devoted their time and knowledge in the implementation of this project.

We greatly appreciate & convey our heartfelt thanks to my friends' flow of ideas, dear ones & all those who helped me in completion of this work.